

Title (en)  
COLOR CATHODE-RAY TUBE APPARATUS

Publication  
**EP 0388901 A3 19910828 (EN)**

Application  
**EP 90105263 A 19900320**

Priority  
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Abstract (en)  
[origin: EP0388901A2] In an electron gun assembly, electron (BR, BG, BB) beams emitted from cathodes (KR, KG, KB) are focused in first cross-over (CO1) and accelerated and controlled by grids (G1, G2, G3) along three axes (ZR, ZG, ZB) arranged in-line. The controlled electron beams (BR, BG, BB) are weakly converged by unipotential lenses (ELS) and are converged in a vertical plane by a common single electron lens (VL1) having a lens power which is varied in accordance with a horizontal or vertical deflection of the electron beams (BR, BG, BB). The converged electron beams (BR, BG, BB) form second cross-over on the axes (ZR, ZG, ZB) which are shifted along the axes (ZR, ZG, ZB) are diverged from the second cross-overs (ZR, ZG, ZB). The diverged electron beams (BR, BG, BB) are further focused and converged onto a screen (SCN) by a main lens (LEL).

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