

Title (en)

Color picture tube having inline electron gun with focus adjustment means.

Title (de)

Farbbildröhre mit "inline" Elektronenkanone mit Fokusjustierung.

Title (fr)

Tube d'images couleurs avec un canon à électrons "inline" muni de moyens pour régler la focalisation.

Publication

EP 0452789 B1 19951129 (EN)

Application

EP 91105658 A 19910410

Priority

US 50953790 A 19900416

Abstract (en)

[origin: EP0452789A2] A color picture tube (10) has a viewing screen (22) and an electron gun (26) for generating and directing three inline electron beams, a center beam and two side beams, toward the screen. The gun includes electrodes that form three focus lenses. A first lens (L1) is located in a beam-forming region of the gun. A second lens (L2) includes at least one electrode (42) for providing asymmetrically-shaped beams to a third lens (L3). The third lens is a common main focus lens for all three beams. The improvement comprises one (48) of the electrodes (44,48) of the third lens being shaped to provide a major amount of focus correction for each individual electron beam, and the one electrode of the second lens including means (70,71,72) for providing the remaining amounts of focus correction needed to substantially totally correct each individual electron beam.

IPC 1-7

H01J 29/50; **H01J 29/62**

IPC 8 full level

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CPC (source: EP KR)

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H01J 2229/4896 (2013.01 - EP)

Cited by

FR2702085A1; KR19980040898A; CN1054462C; FR2705164A1; US5430349A; GB2315153A; US5883463A; GB2315153B

Designated contracting state (EPC)

DE FR GB IT

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CN 1041577 C 19990106; CN 1056016 A 19911106; DE 69114893 D1 19960111; DE 69114893 T2 19960620; JP 2616849 B2 19970604;
JP H04230938 A 19920819; KR 910019103 A 19911130; KR 950002262 B1 19950315; MY 105411 A 19940930; PL 165538 B1 19950131;
PL 289904 A1 19920210; RU 2025818 C1 19941230; TR 25229 A 19930101

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KR 910005933 A 19910413; MY PI19910575 A 19910408; PL 28990491 A 19910416; SU 4895096 A 19910415; TR 36391 A 19910410