

Title (en)

Color picture tube having an inline electron gun

Title (de)

Farbbildröhre mit einer in-line Elektronenkanone

Title (fr)

Tube image couleur comprenant un canon électronique en ligne

Publication

EP 0889500 A1 19990107 (EN)

Application

EP 97401593 A 19970704

Priority

EP 97401593 A 19970704

Abstract (en)

The present invention relates to a color picture tube having a viewing screen and an electron gun (26) within a neck (14) of the tube for generating and directing three inline electron beams, a center beam and two side beams, toward the screen. The electron gun includes a plurality of electrodes including a focus electrode (G5). The tube neck is adapted for receipt of a surrounding scan velocity modulation coil (54, 56) at a location thereon. The focus electrode includes two spaced parts (44, 46) that are electrically connected and adapted for connection to the same focus voltage (VFOCUS). The space (45) between the parts is surrounded by the neck location for the coil. <IMAGE>

IPC 1-7

H01J 29/50

IPC 8 full level

H01J 29/48 (2006.01); **H01J 29/50** (2006.01)

CPC (source: EP KR)

H01J 29/50 (2013.01 - KR); **H01J 29/503** (2013.01 - EP); **H01J 2229/5687** (2013.01 - EP); **H01J 2229/7037** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0889500 A1 19990107; **EP 0889500 B1 20030917**; AU 8283098 A 19990125; CN 1124635 C 20031015; CN 1259226 A 20000705; DE 69724942 D1 20031023; JP 2002510430 A 20020402; KR 100360534 B1 20021113; KR 20010014361 A 20010226; TW 398009 B 20000711; WO 9901884 A1 19990114

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EP 97401593 A 19970704; AU 8283098 A 19980630; CN 98805715 A 19980630; DE 69724942 T 19970704; JP 50736399 A 19980630; KR 19997012518 A 19991230; TW 87104456 A 19980325; US 9813757 W 19980630