

Title (en)
Color display tube with reduced aberration

Title (de)
Farbbildröhre mit verringertem Abbildungsfehler

Title (fr)
Tube image couleur à aberration réduite

Publication
EP 1139379 A3 20040204 (DE)

Application
EP 00124838 A 20001114

Priority
• EP 00124838 A 20001114
• EP 00106713 A 20000329

Abstract (en)
[origin: EP1139379A2] The tube has an electron beam generation system and a fluorescent screen in the image tube and a deflection unit outside the tube with a vertical deflection coil pair with two parts and a horizontal deflection coil pair. The center of deflection of the vertical deflection field is closer to the beam generation system than that of the horizontal deflection field to minimize vertical imaging distortion in the center of the screen. The tube has an electron beam generation system (13) and a fluorescent screen (14) within the image tube and a deflection unit mounted outside the tube. The deflection unit has a vertical deflection coil pair (16,17) with two parts, with the second part closer to the electron beam generation system, and a horizontal deflection coil pair (15). The center of deflection of the vertical deflection field is shifted closer to the beam generation system than that of the horizontal deflection field to minimize vertical imaging distortion in the center of the screen. An arrangement modulates the deflection current in the upper and lower image regions with the second part of the vertical coil pair. Independent claims are also included for the following: a color television or monitor with a color image tube.

IPC 1-7
H01J 29/70

IPC 8 full level
H01J 29/76 (2006.01)

CPC (source: EP)
H01J 29/762 (2013.01); **H01J 2229/563** (2013.01)

Citation (search report)
• [A] EP 0266181 A2 19880504 - TOSHIBA KK [JP]
• [A] US 4547707 A 19851015 - YABASE KOJI [JP]
• [A] EP 0311806 A1 19890419 - TOSHIBA KK [JP]

Cited by
EP1515356A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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EP 1139379 A2 20011004; EP 1139379 A3 20040204

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