

Title (en)

Color display system utilizing quadrupole lenses

Title (de)

Farbanzeigegegerät unter Verwendung von Quadrupollinsen

Title (fr)

Dispositif d'affichage en couleurs utilisant de lentilles quadrupolaires

Publication

**EP 0714115 A3 19970716 (EN)**

Application

**EP 95118059 A 19951116**

Priority

JP 29132594 A 19941125

Abstract (en)

[origin: EP0714115A2] A color cathode ray tube has an electron gun including at least a cathode (K1,K2,K3), a control electrode (10), an accelerating electrode (20), a focus electrode (30-50) and an anode (60) spaced axially in the order named. The focus electrode includes a first focus electrode (30), a second focus electrode (40) and a third focus electrode (50), the first focus electrode (30) facing the accelerating electrode (20). A first quadrupole lens structure is formed on the first and the second focus electrode, and a second quadrupole lens structure is formed on the second focus electrode and the third focus electrode. A dynamic focus voltage is applied to the first and third focus electrodes so that the first quadrupole lens structure produces horizontally diverging and vertically focusing actions on the electron beam and the second quadrupole lens structure produces horizontally focusing and vertically diverging actions on the electron beam. <IMAGE>

IPC 1-7

**H01J 29/50**

IPC 8 full level

**H01J 29/50** (2006.01); **H01J 29/62** (2006.01)

CPC (source: EP KR)

**H01J 29/503** (2013.01 - EP); **H01J 29/56** (2013.01 - KR); **H01J 29/628** (2013.01 - EP); **H01J 2229/4841** (2013.01 - EP)

Citation (search report)

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- [DA] US 4728859 A 19880301 - NATSUHARA MASAO [JP], et al
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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0714115 A2 19960529; EP 0714115 A3 19970716**; CN 1130302 A 19960904; JP H08148095 A 19960607; KR 960019453 A 19960617

DOCDB simple family (application)

**EP 95118059 A 19951116**; CN 95119692 A 19951124; JP 29132594 A 19941125; KR 19950043776 A 19951125