

Title (en)

Electron gun for color cathode ray tube

Title (de)

Elektronenkanone für eine Farbkathodenstrahlröhre

Title (fr)

Cacon d'électron pour tube à rayons cathodiques couleur

Publication

EP 1294009 A2 20030319 (EN)

Application

EP 02254610 A 20020701

Priority

KR 20010056933 A 20010914

Abstract (en)

The present invention discloses an electron gun for a color cathode ray tube. In order to efficiently penetrate a speed modulation magnetic field of a velocity modulation coil, at least two focus electrodes of main electrodes receiving a fixed focus voltage are arranged in a row in the electron gun. When a sum of lengths of the focus electrodes is 'L' and a sum of intervals of the electrodes is 'g', '(gx100)/L = 5 SIMILAR 30(%)' is satisfied. <IMAGE>

IPC 1-7

H01J 29/50

IPC 8 full level

H01J 29/48 (2006.01); **H01J 29/50** (2006.01); **H01J 29/58** (2006.01)

CPC (source: EP KR)

H01J 29/48 (2013.01 - KR); **H01J 29/503** (2013.01 - EP); **H01J 29/58** (2013.01 - EP); **H01J 2229/5688** (2013.01 - EP)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1294009 A2 20030319; **EP 1294009 A3 20040506**; CN 1206695 C 20050615; CN 1405830 A 20030326; JP 2003092071 A 20030328; JP 2005129544 A 20050519; KR 100426569 B1 20040408; KR 20030023826 A 20030320

DOCDB simple family (application)

EP 02254610 A 20020701; CN 02127894 A 20020815; JP 2002181524 A 20020621; JP 2004371963 A 20041222; KR 20010056933 A 20010914