

Title (en)

Cathode ray tube.

Title (de)

Kathodenstrahlröhre.

Title (fr)

Tube à rayons cathodiques.

Publication

EP 0415125 A1 19910306 (EN)

Application

EP 90114987 A 19900803

Priority

- JP 25210589 A 19890929
- JP 20244689 A 19890804

Abstract (en)

In a cathode ray tube, a first pair of permanent magnet pieces (27a, 27b) are arranged along a horizontal direction and fixed on an end portion (26) of a deflection unit (9) at an electron gun side in such a manner that poles of one of magnet pieces (27a, 27b) are faced to the other poles of the other magnet pieces (27a, 27b). A second pair of permanent magnet pieces (29a, 29b) are arranged along a vertical direction, separated from the first pair of permanent magnet pieces (27a, 27b) toward electron gun assembly (20) and fixed on a neck portion (6) in such a manner that poles of one of magnet pieces (29a, 29b) are also faced to the other poles of the other magnet pieces (29a, 29b).

IPC 1-7

H01J 29/51; **H01J 29/76**

IPC 8 full level

H01J 29/56 (2006.01); **H01J 29/70** (2006.01); **H01J 29/76** (2006.01)

CPC (source: EP KR)

H01J 29/566 (2013.01 - EP); **H01J 29/70** (2013.01 - KR); **H01J 29/703** (2013.01 - EP); **H01J 29/76** (2013.01 - EP)

Citation (search report)

- [A] US 4197487 A 19800408 - HAMANO EIZABURO [JP], et al
- [A] US 4818919 A 19890404 - KOBAYASHI KENICHI [JP], et al
- PATENT ABSTRACTS OF JAPAN, unexamined applications, E field, vol. 12, no. 77, March 10, 1988 THE PATENT OFFICE JAPANESE GOVERNMENT page 136 E 589 * JP - A - 62 -217 546 (MATSUSHITA ELECTRONICS)*
- PATENT ABSTRACTS OF JAPAN, unexamined applications, E field, vol. 11, no. 275, September 5, 1987 THE PATENT OFFICE JAPANESE GOVERNMENT page 85 E 537 * JP - A - 62 - 76 140 (MITSUBISHI ELECTRIC) *

Cited by

EP0421523B1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0415125 A1 19910306; **EP 0415125 B1 19961023**; CN 1018408 B 19920923; CN 1049751 A 19910306; DE 69028968 D1 19961128; DE 69028968 T2 19970403; KR 910005366 A 19910330; KR 930004108 B1 19930520

DOCDB simple family (application)

EP 90114987 A 19900803; CN 90106746 A 19900804; DE 69028968 T 19900803; KR 900012025 A 19900803