

Title (en)

Cathode ray tube.

Title (de)

Kathodenstrahlröhre.

Title (fr)

Tube à rayons cathodiques.

Publication

**EP 0106092 A1 19840425 (EN)**

Application

**EP 83108643 A 19830901**

Priority

- JP 15847582 A 19820910
- JP 20815782 A 19821127

Abstract (en)

A cathode ray tube of energy saving type which has no metal-back layer comprises a permanent magnet (9) for producing an axial magnetic field in coaxial relation with the electron beam, at a position between the cathode (4) and electron beam deflection part (13), so that undesirable ion beam is defocused on the phosphor screen (11).

IPC 1-7

**H01J 29/84**; **H01J 31/12**; **H01J 9/00**

IPC 8 full level

**H01J 9/44** (2006.01); **H01J 29/84** (2006.01)

CPC (source: EP)

**H01J 9/445** (2013.01); **H01J 29/84** (2013.01)

Citation (search report)

- [X] US 2555850 A 19510605 - GLYPTIS NICHOLAS D
- [Y] GB 480948 A 19380225 - FREDERICK HERMES NICOLL
- [Y] FR 1036378 A 19530907 - PHILIPS NV
- [A] GB 2076216 A 19811125 - HITACHI LTD

Cited by

DE202023000986U1

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

**EP 0206216 A1 19861230**; EP 0106092 A1 19840425

DOCDB simple family (application)

**EP 86108224 A 19830901**; EP 83108643 A 19830901