

Title (en)

Cathode ray tube apparatus intended to reduce magnetic fluxes leaked outside the apparatus

Title (de)

Kathodenstrahlrohrreinrichtung zur Verringerung von magnetischen Streuflüssen ausserhalb der Einrichtung

Title (fr)

Dispositif de tube à rayons cathodiques destiné à réduire les flux magnétiques de dispersion hors du dispositif

Publication

EP 0401831 B1 19960821 (EN)

Application

EP 90110822 A 19900607

Priority

JP 14697989 A 19890609

Abstract (en)

[origin: EP0401831A1] In a cathode ray tube apparatus, a deflection yoke (21) for generating an effective magnetic field to deflect electron beams in an envelope (27) is provided around a funnel of the envelope (27). A pair of front magnetic coils (22a, 22b) are in substantially symmetrical with respect to a horizontal plane including a tube axis and a horizontal direction and are provided on a skirt of the envelope (27). A pair of rear magnetic coils (22c, 22d) are also arranged in substantially symmetrical with respect to the horizontal plane and are provided on the deflection yoke (21). Leakage magnetic fluxes generated from the deflection yoke (21) are reduced by compensating magnetic fluxes generated from the front and rear magnetic coils (22a, 22b, 22c, 22d).

IPC 1-7

H01J 29/76; H01J 29/96

IPC 8 full level

H01J 29/76 (2006.01); **H01J 29/00** (2006.01); **H01J 29/02** (2006.01)

CPC (source: EP KR)

H01J 29/003 (2013.01 - EP); **H01J 29/02** (2013.01 - KR); **H01J 2229/0015** (2013.01 - EP)

Cited by

GB2297423A; WO9623315A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0401831 A1 19901212; **EP 0401831 B1 19960821**; DE 69028146 D1 19960926; DE 69028146 T2 19970220; JP H0311531 A 19910118; JP H0752631 B2 19950605; KR 910001849 A 19910131; KR 920010657 B1 19921212

DOCDB simple family (application)

EP 90110822 A 19900607; DE 69028146 T 19900607; JP 14697989 A 19890609; KR 900008588 A 19900608