

Title (en)

Cathode-ray tube display unit in which unwanted radiant electric field from face plate of cathode-ray tube is decreased

Title (de)

Kathodenstrahlröhreeinheit in die das vom Bildschirm unerwünschten Strahlungselektrischesfeld des Kathoderstrahlröhre vermindert ist

Title (fr)

Unité d'affichage à tube à rayons cathodiques dans laquelle les champs électriques radiant non-désirés venant de l'écran sont réduits

Publication

EP 0708474 B1 20000906 (EN)

Application

EP 95116440 A 19951018

Priority

- JP 25320894 A 19941019
- JP 30380894 A 19941207

Abstract (en)

[origin: EP0708474A1] A cathode-ray tube display unit provided with a high voltage transformer (20) for supplying high voltage to an anode of a cathode-ray tube (1), a deflection yoke (6) having a horizontal deflection coil and a vertical deflection coil, and an interior conductive coating (13) formed on the inside of a glass vessel of the cathode-ray tube (1), in which there is provided an electrode (8) in the conductive coating form formed on an external wall face of a glass vessel at a funnel portion (2) being electrically separated from an exterior graphite coating (5) formed on an external surface of the cathode-ray tube (1) and connected to ground, and a circuit for applying reverse pulse voltage V1 that satisfies $(V0 \times C0) > (V1 \times C1)$ to the electrode in the conductive coating form is included. Where, it is assumed that flyback pulse voltage supplied to the deflection yoke means (6) is V0, reverse pulse voltage having a polarity reverse to that of voltage generated in the interior conductive coating (13) is V1, electrostatic capacity between the horizontal deflection coil and the interior conductive coating (13) is C0, and electrostatic capacity between the electrode (8) in the conductive coating form and the interior conductive coating (13) is C1. <IMAGE>

IPC 1-7

H01J 29/00

IPC 8 full level

H01J 29/00 (2006.01)

CPC (source: EP)

H01J 29/003 (2013.01); **H01J 2229/0015** (2013.01)

Cited by

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