

Title (en)

Cathode ray tube displays having saddle-type deflecting coils

Title (de)

Kathodenstrahlröhrenanzeige mit Ablenkeinheit vom Satteltyp

Title (fr)

Dispositif d'affichage à tube à rayons cathodiques avec bobines de deflexion du type à selle

Publication

EP 0823723 A1 19980211 (EN)

Application

EP 96112723 A 19960807

Priority

EP 96112723 A 19960807

Abstract (en)

A cathode ray tube display which can reduce the temperature rise of its deflection yoke, not by using either extra-fine wires or litz wires but by increasing the heat radiation of its saddle-type coils, is provided. A deflection yoke (8) arranged in the rear periphery of a cathode ray tube display main body (1) comprises a saddle-type horizontal coil (4), an insulating frame (5) located outside of the saddle-type horizontal coil (4), a saddle-type vertical coil (6) and a ferrite core (7) located outside the insulating frame (5). The surface of the saddle-type horizontal coil (4) is partially exposed from the screen-side end face (9) of the ferrite core (7) toward the screen, and the surface area of the exposed part is predetermined to be from 100 to 298cm². Similarly, the exposed surface area of the saddle-type vertical coil (6) is predetermined to be from 55 to 185cm². <IMAGE>

IPC 1-7

H01J 29/76

IPC 8 full level

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

CPC (source: EP)

H01J 29/006 (2013.01); **H01J 29/762** (2013.01)

Citation (search report)

- [X] EP 0700067 A1 19960306 - MATSUSHITA ELECTRONICS CORP [JP]
- [Y] EP 0424888 A2 19910502 - TOSHIBA KK [JP]
- [A] EP 0424946 A2 19910502 - TOSHIBA KK [JP]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 010, no. 011 (E - 374) 17 January 1986 (1986-01-17)
- [DA] PATENT ABSTRACTS OF JAPAN vol. 009, no. 047 (E - 299) 27 February 1985 (1985-02-27)
- [A] TOSHIO KURAMOTO ET AL: "THE SSC DEFLECTION YOKE FOR IN-LINE COLOR CRTS", PROCEEDINGS OF THE SID, vol. 30, no. 1, 1 January 1989 (1989-01-01), pages 29 - 32, XP000115923

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