

Title (en)

Cathode-ray tube having ARC suppressing means therein.

Title (de)

Kathodenstrahlröhre mit Vorrichtung zur Bogenunterdrückung.

Title (fr)

Tube à rayons cathodiques muni d'un moyen de suppression de l'arc.

Publication

**EP 0652582 A1 19950510 (EN)**

Application

**EP 93117917 A 19931104**

Priority

EP 93117917 A 19931104

Abstract (en)

The present invention is directed to a cathode-ray tube having arc suppressing means therein. An electron gun mount assembly comprises the cathode electrode (3) to emit thermions, a control grid electrode to adjust the amount of the thermions emitted from the cathode electrode and to form the beam of electrons, a focusing electrode to focus the beam of electrons formed in the control grid electrode, and an accelerating electrode to accelerate the beam of electrons focused in the electrode. To remove the thermions leaking from the cathode electrode a metal piece (12) is positioned between any one of the metal wires located horizontally farthest away from the cathode electrode (3) and an inner wall of a neck glass (11), with one end of the metal piece being electrically connected to an extra stem pin grounded at any one of ground terminals outside the cathode-ray tube. <IMAGE>

IPC 1-7

**H01J 29/48**

IPC 8 full level

**H01J 29/48** (2006.01)

CPC (source: EP)

**H01J 29/484** (2013.01)

Citation (search report)

- [X] GB 2115603 A 19830907 - HITACHI LTD
- [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 123 (E - 317)<1846> 28 May 1985 (1985-05-28)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

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