

Title (en)

A steel sheet for use as an electrode-supporting frame member of a color picture tube and manufacturing method thereof

Title (de)

Stahlblech für einen, eine Elektrode tragenden Rahmen für ein Farbbildrohr und Verfahren zu seiner Herstellung

Title (fr)

Tôle d'acier pour un cadre support d'électrode d'un tube de télévision en couleur et son procédé de fabrication

Publication

**EP 0964073 A1 19991215 (EN)**

Application

**EP 98109894 A 19980529**

Priority

- EP 98109894 A 19980529
- JP 32566796 A 19961205

Abstract (en)

A steel sheet has composition consisting of 0.003-0.10 wt.% C, not more than 1.0 wt.% Si, 0.05-1.5 wt.% Mn, not more than 0.10 wt.% P, not more than 0.02 wt.% S, 1.5-8.0 wt.% Cr, 0.003-0.10 wt.% Al, at least one of 0.08-0.40 wt.% Ti, 0.08-0.40 wt.% Nb and 0.08-0.40 wt.% V, optionally at least one of Cu up to 2.0 wt.%, Ni up to 2.0 wt.%, 0.01-2.0 wt.% Mo, 0.01-2.0 wt.% W and 0.0003-0.0050 wt.% B and the balance being essentially Fe except inevitable impurities. The steel sheet is good of both a room-temperature strength and a high temperature strength. The new steel sheet is useful as a frame member of a color picture tube for stretching color selecting electrode elements, instead of an expensive ferritic stainless steel.

<IMAGE>

IPC 1-7

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IPC 8 full level

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Citation (search report)

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