

ABSTRACT OF THE DISCLOSURE

A STEEL SHEET FOR USE AS AN ELECTRODE-SUPPORTING
FRAME MEMBER OF A COLOR PICTURE TUBE AND
5 MANUFACTURING METHOD THEREOF

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
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
15 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.

(Figure 1)