

Title (en)

Mask-frame combination for a colour picture tube.

Title (de)

Masken-Rahmen-Kombination für eine Farbbildröhre.

Title (fr)

Masque d'ombre, et son cadre pour un tube d'affichage couleur.

Publication

EP 0402824 B1 19940921 (DE)

Application

EP 90110984 A 19900611

Priority

DE 3919674 A 19890616

Abstract (en)

[origin: EP0402824A2] In a mask-frame combination (10) for a colour picture tube, a mask (12) is connected to a frame (11) via welded points (15.2 to 15.4, 15.6, 15.8 to 15.10, 15.12) which are arranged in the corners and adjacent to the long centre axis (16.1) and to the short centre axis (16.k). It is of significance that all the welded points are constructed as double welded points instead of single welded points, as was normal until now. The individual welded points of each double welded point are located essentially at the same height of the mask skirt but are slightly separated from one another. It has been found that the use of welded points which are duplicated in such a manner leads to considerably better shock and vibration strength than the use of the conventional single welded points. At the same time, thermal expansion characteristics are improved. <IMAGE>

IPC 1-7

H01J 29/07

IPC 8 full level

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