

Title (en)

Shadow mask assembly for color cathode ray tube.

Title (de)

Schattenmaskenanordnung für Farbkathodenstrahlröhren.

Title (fr)

Assemblage de masque d'ombre pour tube à rayons cathodiques en couleurs.

Publication

EP 0500312 A1 19920826 (EN)

Application

EP 92301308 A 19920218

Priority

JP 2250191 A 19910218

Abstract (en)

A shadow mask assembly for a color cathode ray tube has a shadow mask (5), a frame (6) and a plurality of bimetallic spring members (7). The shadow mask is supported by the frame and is disposed behind an inner surface of a glass panel with a predetermined space being provided with respect to the inner surface. Each of the bimetallic spring members has a high expansion metal (1) and a low expansion metal (2) bonded together and supports the frame to the glass panel. The effective length of the low expansion metal of the bimetallic spring member is shorter than the spring working effective length (LS) of the bimetallic spring member. The correction working effective length (LC) and the spring working effective length (LS) are functionally independent from each other, so that the correction working is not influenced by location of the welding points which are otherwise required to be disposed at precise locations. <IMAGE>

IPC 1-7

H01J 29/07

IPC 8 full level

H01J 29/02 (2006.01); **H01J 29/07** (2006.01); **H01J 31/20** (2006.01)

CPC (source: EP KR)

H01J 29/07 (2013.01 - KR); **H01J 29/073** (2013.01 - EP)

Citation (search report)

- [X] JP S62268040 A 19871120 - MATSUSHITA ELECTRONICS CORP
- [A] US 4491763 A 19850101 - FUJINUMA MAKOTO [JP], et al
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Designated contracting state (EPC)

DE GB NL

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EP 0500312 A1 19920826; JP H04262342 A 19920917; KR 920017159 A 19920926

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