

Title (en)

Mounting means for a mask frame

Title (de)

Aufhängungselement für einen Lochmasken-Rahmen

Title (fr)

Élément de suspension d'un cadre de masque perforé

Publication

**EP 0999571 A3 20020102 (FR)**

Application

**EP 00103229 A 19970515**

Priority

- EP 97401086 A 19970515
- FR 9606366 A 19960522

Abstract (en)

[origin: EP0809272A1] A shadow mask frame for a CRT, especially a colour television tube, has its sides (30a-d) formed by mutually offset and fixed external and internal membranes (31, 32), each of which consists of a portion of a thin metal strip.. A method of making a shadow mask frame involves (a) cutting one or more thin metal strips to form first and second membranes (31, 32); (b) forming reinforcing grooves or impressions in the membranes; and (c) assembling the frame by welding the membranes together. Also claimed is a suspension element for a shadow mask frame, the frame preferably being made of a high elastic limit metal selected from maraging steels, 25% Ni/15% Cr steels containing Ti and Al, Fe-Ni alloys, Ni base superalloys and martensitic stainless alloys.

IPC 1-7

**H01J 29/07**

IPC 8 full level

**H01J 9/46** (2006.01); **H01J 29/07** (2006.01); **H01J 9/14** (2006.01)

CPC (source: EP KR US)

**H01J 9/02** (2013.01 - KR); **H01J 29/073** (2013.01 - EP US); **H01J 2229/0705** (2013.01 - EP US)

Citation (search report)

[A] US 4670687 A 19870602 - GIJRATH JOHANNES H N [NL], et al

Cited by

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**EP 0809272 A1 19971126; EP 0809272 B1 20030502**; AT E239301 T1 20030515; BR 9709344 A 19990810; CA 2255568 A1 19971127; CN 1088907 C 20020807; CN 1169585 A 19980107; DE 69721375 D1 20030605; DE 69721375 T2 20040325; EP 0999571 A2 20000510; EP 0999571 A3 20020102; FR 2749104 A1 19971128; FR 2749104 B1 19980828; HU P9902464 A2 19991129; HU P9902464 A3 20020228; JP 2000509550 A 20000725; JP 3704545 B2 20051012; KR 100449785 B1 20041203; KR 970076967 A 19971212; PL 330077 A1 19990426; RU 2184405 C2 20020627; TW 428195 B 20010401; US 5898259 A 19990427; WO 9744806 A1 19971127

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