

Title (en)

Cathode-ray tube having taut shadow mask.

Title (de)

Kathodenstrahlröhre mit Straffschattenmaske.

Title (fr)

Tube cathodique avec masque d'ombre tendu.

Publication

EP 0121628 A1 19841017 (EN)

Application

EP 83307256 A 19831129

Priority

US 47158983 A 19830303

Abstract (en)

A shadow mask assembly for a cathode-ray tube wherein the perforated shadow mask membrane is stretched and in the stretched condition is affixed to a rigid frame. The frame securely holds the membrane in the tensioned condition and as the mask is heated during the operation of the tube, the expansion of the membrane merely relaxes the tension without distortion to the membrane.

IPC 1-7

H01J 29/07

IPC 8 full level

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

CPC (source: EP)

H01J 9/142 (2013.01); **H01J 29/07** (2013.01); **H01J 2229/0722** (2013.01); **H01J 2229/0733** (2013.01)

Citation (search report)

- [Y] US 2611100 A 19520916 - FAULKNER RICHARD D, et al
- [Y] US 3894321 A 19750715 - MOORE JOHN H
- [A] US 4069567 A 19780124 - SCHWARTZ JAMES W
- [A] US 4333034 A 19820601 - OHGOSHI AKIO, et al
- [A] BE 666836 A 19660113
- [A] US 2750524 A 19560612 - BRAHAM FRANK G

Cited by

EP0234519A3; US4854906A; DE3641010A1; US5183426A; US4934974A; US4950945A; EP0939424A3; GB2228364A; US5801479A; US4710670A; US4904218A; US4887988A; US4929864A; EP0239083A3; US4885501A; US4828523A; US4900976A; US6407488B1; US6411024B1; WO0060635A1; WO8905513A1

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 0121628 A1 19841017; JP S59167936 A 19840921

DOCDB simple family (application)

EP 83307256 A 19831129; JP 4119784 A 19840302