

Title (en)
Masking device for a colour flat screen cathode ray tube comprising a supporting frame for planar mask and planar mask

Title (de)
Maskierungseinrichtung für Flachschirm-Farbbildröhre mit Tragrahmen für Schattenmaske und Schattenmaske

Title (fr)
Dispositif de masquage pour tube cathodique de visualisation en couleur à écran plat, du type comprenant un cadre support pour masque d'ombre tendu et masque d'ombre tendu.

Publication
EP 1063304 B1 20020904 (FR)

Application
EP 00401772 A 20000621

Priority
FR 9907909 A 19990622

Abstract (en)
[origin: EP1063304A1] A device for masking a flat screen color monitor has a mask mounted within and tensioned at ambient temperature by a support. The support is an iron nickel alloy with a thermal expansion coefficient $\leq 5 \times 10^{-6}/K$ between 20 - 150 degrees C and an elastic limit $R_{p0.2}$ at 20 degrees C ≥ 700 MPa. Independent claims are included for the following: (a) Methods of manufacturing the above device including hardening of the screen at 400 - 800 degrees C. (b) Methods of manufacturing the above device including de-tensioning the screen at 400 - 600 degrees C.

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IPC 8 full level
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Cited by
FR2809747A1; EP1138797A1; FR2807269A1; EP1156126A1; FR2819825A1; SG101471A1; US8808475B2; US6734610B2; US6692992B1; WO03044822A1; WO2007087785A1; WO0192587A1; WO03079395A1; KR100820892B1

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