

Title (en)
IMPLOSION-RESISTANT CATHODE RAY TUBE ENVELOPE

Title (de)
IMPLOSIONSBESTÄNDIGE KATHODERSTRAHLRÖHRENUMHÜLLUNG

Title (fr)
ENVELOPPE DE TUBE CATHODIQUE RESISTANTE A L'IMPLOSION

Publication
EP 0970501 A4 20000112 (EN)

Application
EP 97912742 A 19971020

Priority
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• US 2947696 P 19961024

Abstract (en)
[origin: WO9818151A1] A glass envelope for a cathode ray tube (10) and a method of production. The envelope comprises (12) a panel member having a thickness (t) that is defined by an equation which involves net tensile stress; wherein the panel having a net tensile stress not exceeding 1150 psi, having a surface compression induced during panel manufacture, and having an implosion protection band (30) shrink-fitted around a skirt (20) on the panel that augments surface compression in the panel (12), whereby the panel thickness is substantially less than that of a corresponding untreated tube envelope.

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H01J 31/00; **H01J 29/46**; **H01J 61/30**; **H01K 1/28**; **H01J 29/87**

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CPC (source: EP KR)
H01J 29/87 (2013.01 - EP); **H01J 31/00** (2013.01 - KR)

Citation (search report)
• [X] US 5547409 A 19960820 - NAKAMURA KOJI [JP], et al
• See references of WO 9818151A1

Designated contracting state (EPC)
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