

Title (en)

FRAME/MASK ASSEMBLY FOR A CATHODE-RAY TUBE

Title (de)

RAHMEN-/MASKENBAUGRUPPE FÜR EINE KATHODENSTRAHLRÖHRE

Title (fr)

ENSEMBLE CADRE/MASQUE POUR TUBE A RAYONS CATHODIQUES

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Application

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Abstract (en)

[origin: WO2005010915A2] The invention relates to a cathode-ray tube with a colour selection mask, comprising a frame (122) for holding the mask remote from the screen. Said frame, having a substantially rectangular shape, has a pair of parallel short sides (120), having a substantially L-shaped section, with a lateral flank (124), which extends in a direction parallel to the longitudinal axis, connected to a flange (125) substantially perpendicular to said longitudinal axis. The flange width at each short side is less in the middle of the side than at the ends thereof, so that the inner edge (130) of the flange defines a curve, the concavity of which is oriented toward the tube longitudinal axis. The frame structure provides an improved thermal behaviour of the frame/mask assembly and a reduced weight of material for production of said frame, while maintaining a sufficient mechanical stiffness.

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