

Title (en)

Cathode ray tube with a panel portion

Title (de)

Kathodenstrahlröhre mit Frontscheibe

Title (fr)

Tube à rayons cathodiques comportant un panneau

Publication

EP 1557862 A1 20050727 (EN)

Application

EP 04075133 A 20040120

Priority

EP 04075133 A 20040120

Abstract (en)

A cathode ray tube (1) comprises an panel portion (2), a funnel portion (3) and a neck portion (4) with an electron gun (5) and a shadow mask. The shadow mask is made of a material with a high thermal expansion coefficient, and the panel portion has an outside radius of curvature (R) larger than 30000 mm. The thicknesses of the panel portion have the following ratios: $\frac{Df}{Tc} \geq 0.85$, $\frac{Df}{Ts} \leq 1$, $\frac{Df}{Tl} \geq 0.6$, $\frac{Df}{Td} \leq 0.72$ wherein Tc is a glass thickness at the centre of the front portion Ts is a glass thickness at the end of the short axis, at the end of the effective screen area Tl is a glass thickness at the end of the long axis, at the end of the effective screen area Td is a glass thickness at the end of the diagonal, at the end of the effective screen area. <IMAGE>

IPC 1-7

H01J 29/86

IPC 8 full level

H01J 29/86 (2006.01)

CPC (source: EP)

H01J 29/861 (2013.01); **H01J 2229/862** (2013.01)

Citation (search report)

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- [Y] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 02 5 February 2003 (2003-02-05)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1557862 A1 20050727

DOCDB simple family (application)

EP 04075133 A 20040120