

Title (en)

Cathode ray tube.

Title (de)

Kathodenstrahlröhre.

Title (fr)

Tube à rayons cathodiques.

Publication

EP 0571206 A1 19931124

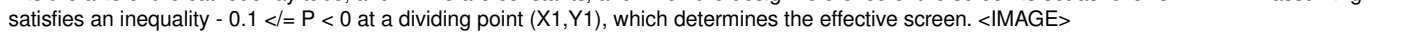
Application

EP 93303915 A 19930520

Priority

- KR 920008572 A 19920520
- KR 930005993 A 19930409

Abstract (en)

A cathode ray tube (10) has a panel (11) in which a screen (11a) is formed and a funnel (12) attached to the panel and having an electron gun (13) housed in the neck of the funnel (12). The curvature equation of the outer surface of the panel is expressed as $Z = A1X^2 + A2X^4 + A3Y^2 + A4Y^4 + A5X^2Y^2 + A6X^4Y^2 + A7X^2Y^4 + A8X^4Y^4$, where X is the longer axis of the panel, Y is the shorter axis of the panel, Z is the axis of the cathode ray tube, and A1-A8 are constants, and when the design reference of the screen is set as follows: assuming P satisfies an inequality $-0.1 \leq P < 0$ at a dividing point (X1,Y1), which determines the effective screen. 

IPC 1-7

H01J 29/86

IPC 8 full level

H01J 29/86 (2006.01); **H01J 31/20** (2006.01)

CPC (source: EP)

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

Citation (search report)

- [A] EP 0448401 A2 19910925 - MATSUSHITA ELECTRONICS CORP [JP]
- [A] EP 0283129 A2 19880921 - HITACHI LTD [JP]
- [A] EP 0438197 A1 19910724 - PHILIPS NV [NL]

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 0571206 A1 19931124; JP H06103926 A 19940415

DOCDB simple family (application)

EP 93303915 A 19930520; JP 14136093 A 19930519