

Title (en)

Cathode ray tube (CRT) including a shadow mask with a partially etched mask border and skirt

Title (de)

Kathodenstrahlröhre mit Schattenmaske mit teilgeätztem Maskenrand und Rahmenbereich

Title (fr)

Tube cathodique comprenant un masque d'ombre avec une partie périphérique intermédiaire et une jupe périphérique partiellement corrode

Publication

EP 1432003 A1 20040623 (EN)

Application

EP 02028679 A 20021220

Priority

EP 02028679 A 20021220

Abstract (en)

A shadow mask for use in a color cathode ray tube (CRT) is described. The shadow mask comprises a multi-aperture masking portion surrounded by a border and a skirt. The border and skirt have cavities across portions of one or more sides thereof. In one embodiment, the border and a portion of the skirt on an outer, screen-facing, surface of the mask have cavities formed therein. Additionally, a portion of the skirt on an inner, gun-facing, surface of the mask adjacent to the perimeter of the skirt may have cavities formed therein. <IMAGE>

IPC 1-7

H01J 29/07

IPC 8 full level

H01J 29/07 (2006.01)

CPC (source: EP)

H01J 29/07 (2013.01); **H01J 2229/0772** (2013.01)

Citation (search report)

- [X] EP 0924741 A1 19990623 - TOSHIBA KK [JP]
- [X] EP 1117119 A2 20010718 - HITACHI LTD [JP]
- [X] US 4859901 A 19890822 - THOMPSON-RUSSELL KATHRYN C [NL]
- [X] US 2002113538 A1 20020822 - CHO HYUN-SHIK [KR]
- [X] JP H08298078 A 19961112 - TOSHIBA CORP
- [X] JP S60232640 A 19851119 - DAINIPPON PRINTING CO LTD
- [X] JP S57202626 A 19821211 - MITSUBISHI ELECTRIC CORP
- [X] JP H09320481 A 19971212 - KANSAI NIPPON ELECTRIC
- [X] FR 2576452 A1 19860725 - RCA CORP [US]
- [X] JP H11120932 A 19990430 - MATSUSHITA ELECTRONICS CORP
- [X] US 3862448 A 19750121 - ISHIZUKA TOMIO, et al
- [X] JP S5673846 A 19810618 - HITACHI LTD
- [X] JP S5842144 A 19830311 - TOKYO SHIBAURA ELECTRIC CO
- [X] JP H0447649 A 19920217 - KANSAI NIPPON ELECTRIC
- [X] JP S58197636 A 19831117 - MITSUBISHI ELECTRIC CORP
- [X] JP S6065431 A 19850415 - NIPPON ELECTRIC CO
- [X] US 4191909 A 19800304 - DOUGHERTY LAWRENCE W [US]

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1432003 A1 20040623

DOCDB simple family (application)

EP 02028679 A 20021220