

Title (en)
Color cathode ray tube

Title (de)
Farbkathodenstrahlröhre

Title (fr)
Tube à rayons cathodiques couleur

Publication
EP 0880160 A2 19981125 (EN)

Application
EP 98108821 A 19980514

Priority
• JP 12973297 A 19970520
• JP 14134997 A 19970530
• JP 478298 A 19980113

Abstract (en)
A shadow mask (26) opposed to a phosphor screen of a panel (22) has a rectangular mask body (34) and a rectangular mask frame (36) fixed to the periphery of the mask body. The mask body has a pair of long side edges (16a) and a pair of short side edges (16b), and the long side edges are respectively welded to long side walls (17a) of the mask frame while the short side edges (16b) are respectively welded to short side walls (17b) of the mask frame. The long and short side walls of the mask frame are respectively supported on the panel by mask holders (39). Each mask holder has a fixed portion welded to the mask frame and an engaging portion engaged with a stud pin (38) of the panel. Welding positions (41a) between the long side edges of the mask body and the long side walls of the mask frame are shifted from the short axis (Y), and welding positions (41b) between the short side edges of the mask body and the short side walls of the mask frame are shifted from the long axis. <IMAGE>

IPC 1-7
H01J 29/07

IPC 8 full level
H01J 29/07 (2006.01)

CPC (source: EP KR)
H01J 29/07 (2013.01 - KR); **H01J 29/073** (2013.01 - EP); **H01J 2229/0716** (2013.01 - EP); **H01J 2229/0788** (2013.01 - EP)

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0880160 A2 19981125; **EP 0880160 A3 19990203**; **EP 0880160 B1 20020724**; CN 1132217 C 20031224; CN 1199919 A 19981125; DE 69806686 D1 20020829; DE 69806686 T2 20030313; KR 100271710 B1 20001115; KR 19980087384 A 19981205; MY 120743 A 20051130; TW 423010 B 20010221

DOCDB simple family (application)
EP 98108821 A 19980514; CN 98109280 A 19980520; DE 69806686 T 19980514; KR 19980019135 A 19980520; MY PI9802216 A 19980519; TW 87107214 A 19980511