

Title (en)
IMAGE DISPLAY DEVICE

Title (de)
BILDANZEIGEEINRICHTUNG

Title (fr)
DISPOSITIF D'AFFICHAGE D'IMAGE

Publication
EP 1722392 A1 20061115 (EN)

Application
EP 05709517 A 20050131

Priority

- JP 2005001360 W 20050131
- JP 2004026526 A 20040203
- JP 2004037574 A 20040216
- JP 2004044388 A 20040220

Abstract (en)
A spacer structure 22 is provided between a first substrate 10 having a phosphor screen formed thereon and a second substrate 12 provided with a plurality of electron emission sources 18 which excite the phosphor screen. The spacer structure has a plate-shaped supporting substrate 24, which is opposed to the first and second substrates and has a plurality of electron beam apertures 26 opposed individually to the electron emission sources, and a plurality of spacers 30a and 30b set up on a surface of the supporting substrate. Those electron beam apertures, among the plurality of electron beam apertures, which are situated near spacer setup positions, has an area greater than that of the other electron beam apertures.

IPC 8 full level
H01J 31/12 (2006.01); **H01J 29/02** (2006.01); **H01J 29/86** (2006.01); **H01J 29/87** (2006.01)

CPC (source: EP KR)
H01J 1/30 (2013.01 - KR); **H01J 29/02** (2013.01 - KR); **H01J 29/864** (2013.01 - EP); **H01J 29/87** (2013.01 - KR); **H01J 31/12** (2013.01 - KR); **H01J 31/127** (2013.01 - EP); **H01J 2329/8625** (2013.01 - EP); **H01J 2329/863** (2013.01 - EP)

Citation (search report)
See references of WO 2005076310A1

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 1722392 A1 20061115; KR 20060120268 A 20061124; TW 200529270 A 20050901; WO 2005076310 A1 20050818

DOCDB simple family (application)
EP 05709517 A 20050131; JP 2005001360 W 20050131; KR 20067017767 A 20060901; TW 94103256 A 20050202