

Title (en)
Flat tube display apparatus.

Title (de)
Flache Bildwiedergabevorrichtung.

Title (fr)
Dispositif d'affichage plan.

Publication
EP 0399515 A2 19901128 (EN)

Application
EP 90109841 A 19900523

Priority
• JP 13086789 A 19890524
• JP 13086889 A 19890524

Abstract (en)
A flat tube display apparatus wherein a row of many electron beam generators (2) is arranged transversely in a thin flat vacuum tube body (1) to generate a number of beams in parallel with each other which travel in parallel with an image screen (6) and to deflect the beams toward the image screen at a predetermined position. The beams are guided without being widely diverged due to the provision of a number of side walls arranged in parallel with each other to confine beams and due to the provision of alternately strong and weak magnetic fields along the side walls. Image brightness can be further increased by a frit-glass-laminated structure of a multiplier or microchannel (5).

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H01J 9/12; **H01J 31/12**; **H01J 43/24**

IPC 8 full level
H01J 29/68 (2006.01); **H01J 31/12** (2006.01)

CPC (source: EP KR)
H01J 29/68 (2013.01 - EP); **H01J 31/12** (2013.01 - KR); **H01J 31/124** (2013.01 - EP); **H01J 43/04** (2013.01 - KR); **H01J 43/246** (2013.01 - EP)

Cited by
FR2759202A1; EP0522544A1; US5325014A; GB2341268A; GB2341268B; GB2341269A; GB2341269B; US6246165B1; US6181059B1

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