

Title (en)

Flat-panel type picture display device with insulating electron-propagation ducts.

Title (de)

Kathodenstrahlröhre und Herstellungsverfahren.

Title (fr)

Dispositif d'affichage à panneau plat avec gain de propagation d'électrons isolante.

Publication

EP 0574084 A1 19931215 (EN)

Application

EP 93201608 A 19930604

Priority

- EP 93201608 A 19930604
- EP 92201720 A 19920612

Abstract (en)

Flat-panel type picture display device having a luminescent screen and a large number of electron propagation ducts operating by means of electron wall interaction. At a given resolution hexagonal phosphor dot patterns in which dots are horizontally staggered generally produce fewer artefacts than in a 90 DEG tilted orientation. An addressing system for withdrawing electrons from the propagation ducts and for directing them towards the luminescent screen is preferably formed as a multisteped structure with a preselection structure of rows of preselection electrodes and a fine-selection structure of rows of fine-selection electrodes. To interconnect the fine-selection electrodes in parallel in a minimal number of groups, it is advantageous when the fine-selection electrodes are arranged parallel to the preselection electrodes. <IMAGE>

IPC 1-7

H01J 31/12

IPC 8 full level

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CPC (source: EP)

H01J 29/085 (2013.01); **H01J 31/126** (2013.01); **H01J 2329/30** (2013.01)

Citation (search report)

- [X] EP 0369468 A2 19900523 - SANYO ELECTRIC CO [JP]
- [YD] EP 0464937 A1 19920108 - PHILIPS NV [NL]

Cited by

CN1295945C; WO0251213A1; WO9832151A1

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EP 0574084 A1 19931215; **EP 0574084 B1 19960918**; AT E143174 T1 19961015; CN 1080432 A 19940105; DE 69304802 D1 19961024; DE 69304802 T2 19970320; ES 2093355 T3 19961216; JP H08106868 A 19960423

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