

Title (en)

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

Title (de)

Flache Bildwiedergabeeinrichtung mit Elektronenfortpflanzungskanälen

Title (fr)

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

Publication

EP 0574084 B1 19960918 (EN)

Application

EP 93201608 A 19930604

Priority

- EP 93201608 A 19930604
- EP 92201720 A 19920612

Abstract (en)

[origin: EP0574084A1] 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 multistep 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)

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Cited by

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