

Title (en)  
Flat-panel type picture display device with insulating electron-propagation ducts

Title (de)  
Flache Bildwiedergabeordnung 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 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  
**H01J 29/18** (2006.01); **H01J 29/08** (2006.01); **H01J 29/46** (2006.01); **H01J 31/12** (2006.01)

CPC (source: EP)  
**H01J 29/085** (2013.01); **H01J 31/126** (2013.01); **H01J 2329/30** (2013.01)

Cited by  
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