

Title (en)

Flat-panel type picture display device with electron transport ducts and a double selection structure

Title (de)

Flaches Bildschirmanzeigegerät mit Elektronentransportkanälen und einer doppelten Auswahlstruktur

Title (fr)

Dispositif d'affichage à panneau plat muni de conduits de transport d'électrons et d'une structure de selection double

Publication

EP 0550103 B1 19980415 (EN)

Application

EP 92204006 A 19921218

Priority

EP 92200016 A 19920103

Abstract (en)

[origin: EP0550103A1] Flat-panel type picture display device having a face plate (3) with a luminescent screen (7) at the inner side and, arranged at a short distance therefrom, a rear plate adjoined (4) by a large number of electron transport ducts (11) operating by means of wall interaction of electrons. An active selection structure for directing electrons from transport ducts towards pixels on the luminescent screen (7) comprises an apertured preselection plate (10a) and an apertured fine-selection plate (10c), each preselection aperture being associated with at least two fine-selection apertures. Special auxiliary (or dummy) electrodes (14) between the preselection plate and the selection plate, and/or a special geometry of the preselection apertures ensure that colour purity and contrast are maximal. <IMAGE>

IPC 1-7

H01J 31/12

IPC 8 full level

H01J 29/46 (2006.01); **H01J 31/12** (2006.01)

CPC (source: EP)

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Cited by

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