

Title (en)
Double-gated flat display screen

Title (de)
Doppel-Gate-Flaches Bildschirm

Title (fr)
Ecran plat de visualisation a double grille

Publication
EP 0734043 A1 19960925 (FR)

Application
EP 96410030 A 19960321

Priority
FR 9503570 A 19950322

Abstract (en)
The screen has cathodes (1) organised in columns (28) to bombard a phosphor anode. The rows (21) of a first grid (20) are addressed sequentially during a period when the combs (24,25) of a second grid (23) are addressed alternately to form an interlaced image. The cathode columns are addressed simultaneously with each row at a potential to determine the brightness for a pixel defined by the comb addressed within the current row. The bias potential on the combs is chosen so that the electrons emitted by the cathode directly below the comb tracks (26,27) are such that the unaddressed tracks collect the electrons. The focusing potential for a track is greater than that of the unaddressed rows of the first grid while that of the collector is less. Three such assemblies are used to provide a colour display.

Abstract (fr)
L'invention concerne un écran plat de visualisation du type comportant une cathode (1) organisée en colonnes (28) de bombardement électronique d'une anode pourvue d'éléments luminophores, et comportant une première grille (20) organisée en rangées (21) susceptibles d'être adressées individuellement et une seconde grille (23) constituée d'au moins deux peignes (24, 25) de pistes (26, 27) alternées parallèles auxdites rangées (21) de ladite première grille (20), une même rangée (21) de ladite première grille (20) étant associée à une piste (26, 27) de chaque peigne (24, 25) et l'intersection de chaque piste (26, 27) avec une colonne (28) de la cathode (1) définissant un pixel de l'écran. <IMAGE>

IPC 1-7
H01J 31/12

IPC 8 full level
G09G 3/22 (2006.01); **H01J 29/46** (2006.01); **H01J 31/12** (2006.01)

CPC (source: EP US)
H01J 29/46 (2013.01 - EP US); **H01J 31/127** (2013.01 - EP US)

Citation (search report)

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- [PA] EP 0660368 A1 19950628 - MARCONI GEC LTD [GB]
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