Title (en)

Triode structure flat panel display employing flat field emission cathodes

Title (de)

Flache Feldemissionskathode anwendende flache Anzeigevorrichtung mit Triodenstruktur

Title (fr)

Affichage à écran plat à structure triode utilisant des cathodes plates à émission de champ

Publication

EP 0971386 B1 20040616 (EN)

Application

EP 99202988 A 19931206

Priority

- EP 94905334 A 19931206
- US 99386392 A 19921223

Abstract (en)

[origin: WO9415352A1] A flat panel display for displaying visual information includes a plurality of corresponding light-emitting anodes (130), and field-emission cathodes (170), each of the anodes emitting light in response to emission from each of the corresponding cathodes, each of the cathodes (170) including a layer of low work function material having a relatively flat emission surface of a plurality of distributed localized electron emission sites and a grid assembly (102) interposed between the corresponding anodes (130) and cathodes (170) to thereby control emission levels to the anodes from the corresponding cathodes.

IPC 1-7

H01J 31/12

IPC 8 full level

H01J 1/304 (2006.01); **H01J 9/02** (2006.01); **H01J 29/04** (2006.01); **H01J 31/12** (2006.01); **H01J 63/06** (2006.01)

CPC (source: EP)

H01J 1/304 (2013.01); **H01J 1/3042** (2013.01); **H01J 9/027** (2013.01); **H01J 31/127** (2013.01); **H01J 63/06** (2013.01); H01J 2201/30457 (2013.01); H01J 2201/319 (2013.01); H01J 2329/8625 (2013.01)

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