

Title (en)

Electrooptic bistable device, display screen including the same and method of driving therefor

Title (de)

Elektrooptische bistabile Vorrichtung, eine solche Vorrichtung enthaltender Bildschirm und Steuerungsverfahren dazu

Title (fr)

Dispositif électrooptique bistable, écran comportant un tel dispositif et procédé de mise en oeuvre de cet écran

Publication

EP 0485285 B1 19960228 (FR)

Application

EP 91402973 A 19911106

Priority

FR 9013871 A 19901108

Abstract (en)

[origin: EP0485285A1] At least one bistable element (16) is contained in an evacuated enclosure formed of a first and of a second substrate (10, 12) which are hermetically sealed between them; each bistable element (16) comprises on the first substrate (10) a first layer of a conductive material (18), a layer of photoconductive material (20), a layer of a cathodoluminescent material (22), and moreover a means (26) of exciting the cathodoluminescent material; a screen of the invention includes several bistable elements (16) arranged matrixlike; in one embodiment, the photoconductive material (20) links two layers of conductive material, the one (18) constituting a conductive column of the screen, the other (24) delimiting the geometry of the pixel. <??>Application to the production of electrooptical memories and to high-definition displaying. <IMAGE>

IPC 1-7

H01J 31/12; G09G 3/22

IPC 8 full level

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Cited by

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