

Title (en)
MATRIX ADDRESSABLE ELECTROCHROMIC DISPLAY DEVICE

Publication
EP 0000616 B1 19811125 (EN)

Application
EP 78300063 A 19780621

Priority
US 81132877 A 19770629

Abstract (en)
[origin: US4146876A] An electrochromic display device consists of orthogonal electrodes 26, 30 on the flat inner faces of a panel. The electrochromic composition in the panel, preferably a pyrazoline, has a threshold potential above which a display effect is achieved at a crossover point of the electrodes. The drive means 58 is of such low impedance and the electrodes are of such low resistance that the voltage levels at display sites (crossovers) are independent of whether or not a display is being effected at a display site. The display effect is temporary and is cyclically regenerated. The time average of voltage signals across unselected display sites is zero. Electrodes 28 consist of tin oxide and a central gold conductor 34 to decrease resistance. Electrodes 30 are of gold.

IPC 1-7
G02F 1/17

IPC 8 full level
C09K 9/02 (2006.01); **G02F 1/1503** (2019.01); **G02F 1/163** (2006.01); **G09F 9/30** (2006.01); **G09G 3/38** (2006.01)

CPC (source: EP US)
C09K 9/02 (2013.01 - EP US); **G02F 1/1503** (2019.01 - EP US); **G02F 1/163** (2013.01 - EP US); **G09G 3/38** (2013.01 - EP US)

Cited by
EP0301513A3; EP0084603A1; EP0084604A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0000616 A1 19790207; **EP 0000616 B1 19811125**; BR 7804156 A 19790410; CA 1085525 A 19800909; DE 2861344 D1 19820128; IT 1108959 B 19851216; IT 7825056 A0 19780628; JP S5431297 A 19790308; US 4146876 A 19790327

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EP 78300063 A 19780621; BR 7804156 A 19780629; CA 299221 A 19780317; DE 2861344 T 19780621; IT 2505678 A 19780628; JP 6502578 A 19780601; US 81132877 A 19770629