

Title (en)

Driving method and apparatus for a multiplexed display with normal working mode and standby mode

Title (de)

Verfahren und Vorrichtung zur Steuerung einer multiplexbetriebenen Anzeige mit Normal- und Bereitschaftsbetrieb

Title (fr)

Procédé et dispositif de commande d'un affichage multiplexé avec mode de fonctionnement normal et mode de veille

Publication

**EP 1143405 B1 20160601 (FR)**

Application

**EP 00201217 A 20000404**

Priority

EP 00201217 A 20000404

Abstract (en)

[origin: EP1143405A1] The invention concerns a method and a device for controlling (30) a multiplexed display screen, comprising a plurality of pixels arranged in lines and columns and coupled to line electrodes and column electrodes, each of the pixels being selectively activated or deactivated by a specific combination of a line signal (BP1 to BP24) and a column signal (FP1 to FP5) applied respectively on the corresponding line and column electrodes. The invention is characterised in that the display screen is switched between a first so-called normal operating mode, wherein all the display lines are activated, and at least a second so-called standby operating mode, wherein the so-called non-active lines of the display are deactivated by the application, on the corresponding line electrodes, so-called non-line-activating signals. When there is a shift to standby operating mode, the method consists in acting on the line signals applied on the active lines which are still active and on the column signals so that their multiplexing rate is reduced proportionally to the number of active lines.

IPC 8 full level

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CPC (source: EP KR US)

**G09G 3/36** (2013.01 - KR); **G09G 3/3622** (2013.01 - EP US); **G09G 2330/021** (2013.01 - EP US)

Citation (examination)

- US 5859632 A 19990112 - ITO KATSUNORI [JP]
- ALT P M ET AL: "SCANNING LIMITATIONS OF LIQUID-CRYSTAL DISPLAYS", IEEE TRANSACTIONS ON ELECTRON DEVICES, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 21, no. 2, 1 February 1974 (1974-02-01), pages 146 - 155, XP009031553, ISSN: 0018-9383

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GB2396697A; US8181510B2

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