

Title (en)

Switching circuits and matrix device using same.

Title (de)

Umschaltnetzwerk und Matrixgerät diese Umschaltnetzwerke verwendend.

Title (fr)

Circuits de commutation et dispositif à matrice utilisant ces circuits.

Publication

**EP 0162969 A1 19851204 (EN)**

Application

**EP 84200778 A 19840530**

Priority

EP 84200778 A 19840530

Abstract (en)

The invention relates to switching circuits and matrix device using same and having the form of a flat panel comprising a control device and a smectic liquid crystal display including pixels arranged in a coordinate matrix of 400 rows and 720 columns. The control device includes several driver units located along the four sides of the rectangular matrix and serially interconnected along each side so as to constitute bidirectional shift registers for serial control data and information. Each driver unit controls 30 odd or 30 even numbered lines (rows or columns) and is able to apply to these lines for a predetermined duration DC voltages equal to either -150 Volts, -30 Volts, 0 Volt, +30 Volts or +150 Volts in function of these data and information.

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**G09G 3/36**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

[X] EP 0078402 A1 19830511 - TOKYO SHIBAURA ELECTRIC CO [JP]

Cited by

USRE39236E; US5179371A; US5175535A; US5202676A; EP0506418A3; US5563624A; US5903260A; US5298914A; EP0487742A4; EP0303510A3; USRE40504E; WO2013038151A1

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