

Title (en)

"Supply system of the driving voltage generator of the rows and of the columns of a liquid crystal display"

Title (de)

"Stromversorgungssystem für Spannungsgenerator zur Ansteuerung der Zeilen und Spalten einer Flüssigkristallanzeige"

Title (fr)

"Système d'alimentation de générateur de tensions pour commander des lignes et colonnes d'un dispositif d'affichage à cristaux liquides"

Publication

**EP 1324304 A1 20030702 (EN)**

Application

**EP 01830810 A 20011227**

Priority

EP 01830810 A 20011227

Abstract (en)

The present invention refers to a supply system of the driving voltage generator of the rows and of the columns of a liquid crystal display. The supply system comprises first and second generator circuits (D3,D4) which output respective prefixed voltages (V3,V4). Each generator circuit receives two supply voltages. The first generator receives, via one voltage supply terminal, a first voltage (VLCD). The second generator receives, via one voltage supply terminal, a second voltage (GND). The other supply terminals of the generators are each connected to a charge storage device (CTNK), e.g. a capacitor, which acts as a charging tank. Charge stored in the capacitor is shared by both generators, and a control circuit (CONT) causes the voltage across the capacitor to lie within a predefined range. <IMAGE>

IPC 1-7

**G09G 3/36**

IPC 8 full level

**G09G 3/36** (2006.01)

CPC (source: EP)

**G09G 3/3696** (2013.01); **G09G 3/3622** (2013.01); **G09G 2330/023** (2013.01)

Citation (search report)

- [XY] EP 0772182 A2 19970507 - SHARP KK [JP]
- [XY] EP 0756190 A1 19970129 - SEIKO EPSON CORP [JP]
- [X] EP 0391655 A2 19901010 - SHARP KK [JP]
- [X] US 5751278 A 19980512 - INAMORI YOSHIMITSU [JP], et al
- [A] EP 0735677 A1 19961002 - CONS RIC MICROELETTRONICA [IT], et al
- [A] US 4983931 A 19910108 - NAKANO MASAJI [JP]
- [YA] PATENT ABSTRACTS OF JAPAN vol. 016, no. 050 (P - 1308) 7 February 1992 (1992-02-07)

Cited by

WO2005017869A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1324304 A1 20030702**

DOCDB simple family (application)

**EP 01830810 A 20011227**