

Title (en)

Arrangement for driving a display device with voltage multiplier

Title (de)

Anordnung zur Ansteuerung einer Anzeigevorrichtung mit Spannungsvervielfacher

Title (fr)

Disposition de commande d'un dispositif d'affichage avec multiplicateur de tension

Publication

EP 1324306 A3 20070214 (DE)

Application

EP 02102800 A 20021218

Priority

DE 10162765 A 20011220

Abstract (en)

[origin: EP1324306A2] Voltages (Vcol, Vcol/2, Vss, Vrow+, Vrow-) are supplied as a function of data to be displayed. The circuit includes at least one voltage divider (12) and a voltage multiplier (11). The voltage divider produces a display supply voltage (Vdd). It further derives a voltage component which is supplied to a the voltage multiplier. The voltage component, and a voltage produced by the voltage multiplier are supplied to the display unit.

IPC 8 full level

G02F 1/133 (2006.01); **G09G 3/36** (2006.01); **G09G 3/10** (2006.01); **G09G 3/20** (2006.01); **H05B 37/02** (2006.01)

CPC (source: EP US)

G09G 3/3696 (2013.01 - EP US); **G09G 2330/021** (2013.01 - EP US)

Citation (search report)

- [X] US 5861861 A 19990119 - NOLAN JAMES B [US], et al
- [X] GB 2078021 A 19811223 - HITACHI LTD
- [X] US 5513091 A 19960430 - UCHIDA HIDEAKI [JP], et al

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL LT LV MK RO

DOCDB simple family (publication)

EP 1324306 A2 20030702; EP 1324306 A3 20070214; CN 100337265 C 20070912; CN 1427384 A 20030702; DE 10162765 A1 20030703; JP 2003248471 A 20030905; US 2003122503 A1 20030703; US 6885155 B2 20050426

DOCDB simple family (application)

EP 02102800 A 20021218; CN 02156390 A 20021217; DE 10162765 A 20011220; JP 2002365663 A 20021217; US 32334502 A 20021218