

Title (en)

CIRCUIT FOR PRODUCING A VARIABLE BIAS FOR AN LCD DISPLAY UNIT

Title (de)

SCHALTUNG ZUR ERZEUGUNG EINER VERÄNDERBAREN VORSPANNUNG FÜR EINE LCD-ANZEIGEEINHEIT

Title (fr)

CIRCUIT DE RÉALISATION D'UNE POLARISATION VARIABLE POUR UNITÉ D'AFFICHAGE LCD

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Application

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Abstract (en)

[origin: WO2007057236A1] The invention relates to a circuit for producing a variable bias, in particular for an LCD display unit, wherein the circuit is connected on the input side to a positive DC voltage source (U+) and to a ground potential (M), has an output connection (U_{LCD}), to which the LCD display unit can be connected, comprises a first controllable switching element (S1), which is connected with a first switching contact, via a first resistor (R1), to the positive DC voltage source (U+), wherein the output of a pulse-width-modulation controller (PWM) is connected to the control contact of the first switching element (S1), a second switching contact of the first switching element (S1) is connected to a negative DC voltage source (U-) via a second resistor (R2), an impedance converter circuit is provided, which is connected on the input side to the second switching contact of the first switching element (S1) and the negative DC voltage source (U-) and is connected on the output side to the output connection (U_{LCD}).

IPC 8 full level

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