

Title (en)

Automatic adaptation of the supply voltage of an electroluminescent panel depending on the desired luminance

Title (de)

Automatische Anpassung der Versorgungsspannung eines Elektrolumineszenz-Anzeigeschirmes in Abhängigkeit der gewünschten Luminanz

Title (fr)

Adaption automatique de la tension d'alimentation d'un ecran electroluminescent en fonction de la luminance souhaitee

Publication

EP 1383103 B1 20120321 (FR)

Application

EP 03300065 A 20030717

Priority

FR 0209227 A 20020719

Abstract (en)

[origin: EP1383103A1] A first measuring system generates a first signal representing the voltage of at least one display column (C1, C2, Cn). A second measuring system generates a second signal representing the voltage at a reference point. The first and second signals are supplied to an adjustment circuit, which can increase the polarisation voltage (Vpol) until the first signal is greater than the second signal, or vice versa. The device is used to control the polarisation voltage for command circuits for the columns of a matrix display composed of electroluminescent diodes, each diode being connected to a line and a column in the display. The command circuits include a current mirror (9) comprising a reference branch (bref) and a number of duplication branches (b1, b2, bn) connected to the polarisation voltage. Each duplication branch is connected to a column in the display. The reference branch is connected at a reference point to a reference current source (10) providing a desired brightness current. An Independent claim is also included for a method for controlling polarisation voltage for command circuits for electroluminescent panels.

IPC 8 full level

G09G 3/32 (2006.01)

CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

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