

Title (en)

METHOD AND DEVICE FOR DRIVING LIGHT-EMITTING DIODES OF AN ILLUMINATION DEVICE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ANSTEUERUNG VON LEUCHTDIODEN EINER BELEUCHTUNGSVORRICHTUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE COMMANDE DES DIODES ÉLECTROLUMINESCENTES D'UN DISPOSITIF D'ÉCLAIRAGE

Publication

**EP 2036402 B1 20100630 (DE)**

Application

**EP 07764741 A 20070620**

Priority

- EP 2007005418 W 20070620
- DE 102006029438 A 20060620

Abstract (en)

[origin: US2010176734A1] A method for driving series-connected light-emitting diodes of an illumination device, in particular an illumination device for film, video and photographic recordings with a pulse-width-modulation of the light-emitting diode current, is provided. In the method the pulse-width-modulated light-emitting diode current is detected and a current sensor signal is derived and fed to a microprocessor, which outputs a drive signal for the pulse-width-modulation and for the setting of the light-emitting diode voltage applied to the light-emitting diodes, depending on the detected current sensor signal. The current-time integral of the pulse-width-modulated light-emitting diode current flowing through the light-emitting diodes is determined and a controllable voltage source for setting the light-emitting diode voltage is driven in such a way that a predetermined pulse-width-modulated light-emitting diode current flows through the light-emitting diodes.

IPC 8 full level

**H05B 44/00** (2022.01)

CPC (source: EP US)

**H05B 45/10** (2020.01 - EP US); **H05B 45/3725** (2020.01 - EP US)

Designated contracting state (EPC)

AT DE GB

DOCDB simple family (publication)

**US 2010176734 A1 20100715**; **US 8115418 B2 20120214**; AT E472926 T1 20100715; DE 102006029438 A1 20071227; DE 102006029438 B4 20180517; DE 502007004271 D1 20100812; EP 2036402 A1 20090318; EP 2036402 B1 20100630; WO 2007147573 A1 20071227

DOCDB simple family (application)

**US 30862407 A 20070620**; AT 07764741 T 20070620; DE 102006029438 A 20060620; DE 502007004271 T 20070620; EP 07764741 A 20070620; EP 2007005418 W 20070620