

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

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Application

EP 07764741 A 20070620

Priority

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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.

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