Title (en)

METHOD FOR SUPPLYING CURRENT TO AN LED ARRAY AND CIRCUIT ARRANGEMENT FOR CARRYING OUT THE METHOD

Title (de)

VERFAHREN ZUR STROMVERSORGUNG EINES LED-ARRAYS SOWIE SCHALTUNGSANORDNUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ D'ALIMENTATION ÉLECTRIQUE D'UN RÉSEAU DE DIODES ÉLECTROLUMINESCENTES, AINSI QU'AGENCEMENT DE CIRCUITS POUR LA MISE EN UVRE DU PROCÉDÉ

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2011107138A1] The invention relates to a method for supplying current to an LED array, which comprises at least two LED branches connected in parallel, in each of which at least one LED is arranged. The LED array is supplied with a predetermined current from a current source connected in series, wherein currents in the LED branches are measured, wherein the measured currents are compared in control electronics, and wherein the currents are controlled in some of the LED branches in such a way that the currents in the LED branches have a defined relationship with each other. The method should be improved in such a way that the method can be performed inexpensively and using simple means. This is achieved in that one of the LED branches is selected as a master, the current of which is used as a target specification for the other LED branches. The invention further relates to a circuit arrangement for carrying out the method according to the invention and to a lighting unit having such a circuit arrangement.

IPC 8 full level

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