

Title (en)

METHOD FOR OPERATING A SERIES CIRCUIT OF AT LEAST TWO LED S

Title (de)

VERFAHREN ZUM BETRIEB EINER REIHENSCHALTUNG VON MINDESTENS ZWEI LED's

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UN MONTAGE EN SÉRIE D AU MOINS DEUX LED

Publication

**EP 2329686 A1 20110608 (DE)**

Application

**EP 09783324 A 20090923**

Priority

- EP 2009062319 W 20090923
- DE 102008048701 A 20080924

Abstract (en)

[origin: WO2010034739A1] The present invention relates to a method for operating a series circuit (2) of at least two LED's (4), wherein the method comprises the following steps in the order indicated: - supplying the series circuit (2) with power from a current or voltage source (6) of a power grid (8), - measuring the voltage drop across the entire series circuit (2), - turning off the power supply by a control unit (14) when the measured voltage drop exceeds a previously established limit value, - recognizing the loss of at least one of the LED's (4) by a control device (7) of the power grid (8) based on the reduced power draw, - recognizing and short-circuiting the lost LED (4) by the control unit (14).

IPC 8 full level

**H05B 33/08** (2006.01); **H05B 37/03** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP)

**H05B 45/48** (2020.01); **H05B 45/58** (2020.01); **H05B 47/23** (2020.01)

Citation (search report)

See references of WO 2010034739A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**DE 102008048701 A1 20100325**; **DE 102008048701 B4 20200604**; EP 2329686 A1 20110608; WO 2010034739 A1 20100401

DOCDB simple family (application)

**DE 102008048701 A 20080924**; EP 09783324 A 20090923; EP 2009062319 W 20090923