

Title (en)

OPERATING CIRCUIT FOR LIGHT-EMITTING DIODES

Title (de)

BETRIEBSSCHALTUNG FÜR LEUCHTDIODEN

Title (fr)

CIRCUIT DE COMMANDE POUR DIODES ÉLECTROLUMINESCENTES

Publication

EP 2347633 A1 20110727 (DE)

Application

EP 09751781 A 20091017

Priority

- EP 2009007470 W 20091017
- AT 5982008 U 20081020

Abstract (en)

[origin: WO2010049074A1] The invention relates to an operating circuit for at least one LED, receiving a DC voltage or a rectified AC voltage and supplying a power supply voltage for at least one LED via a coil (L1) and a first switch (S1), which is clocked by a control/regulating unit (SR), when the first switch (S1) is turned on, energy being stored temporarily in the coil (L1) and discharged via a diode (D1) and via at least one LED when the first switch (S1) is turned off, characterized in that another switch (S2) is arranged in parallel to the LEDs and can be controlled independently of the first switch (S1).

IPC 8 full level

H05B 44/00 (2022.01)

CPC (source: EP US)

H05B 45/375 (2020.01 - EP US); **Y02B 20/30** (2013.01 - EP)

Citation (search report)

See references of WO 2010049074A1

Citation (examination)

US 2008042590 A1 20080221 - LEE SANG-HOON [KR], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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