Title (en)

OPERATING CIRCUIT FOR AN LED

Title (de)

BETRIEBSSCHALTUNG FÜR LED

Title (fr)

CIRCUIT D'EXPLOITATION POUR DIODES ÉLECTROLUMINESCENTES

Publication

EP 2992735 A1 20160309 (DE)

Application

EP 14731538 A 20140430

Priority

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- AT 3532013 U 20131028
- AT 2014000096 W 20140430

Abstract (en)

[origin: WO2014176609A1] The invention relates to an operating circuit for at least one LED, said operating circuit being supplied with DC voltage or with rectified alternating voltage and providing a supply voltage for at least one LED by means of a coil (L1) and a first switch (S1) clocked by a control/regulation unit (SR). When the first switch (S1) is activated energy is temporarily stored in the coil (L1) and when the first switch (S1) is deactivated said energy is discharged via a diode (D1) and via at least one LED. The control/regulation unit (SR) activates the first switch (S1) when a reactivation condition has been met, and the control/regulation unit (SR) deactivates the first switch (S1) when a deactivation condition has been met. Said reactivation condition and/or deactivation condition can be set in accordance with the current dimming level.

IPC 8 full level

H05B 44/00 (2022.01)

CPC (source: AT EP US)

H05B 45/00 (2020.01 - EP US); **H05B 45/10** (2020.01 - EP US); **H05B 45/14** (2020.01 - AT); **H05B 45/327** (2020.01 - EP US); **H05B 45/37** (2020.01 - AT); **H05B 45/3725** (2020.01 - EP US); **H05B 45/375** (2020.01 - EP US); H05B 45/12 (2020.01 - EP US); Y02B 20/30 (2013.01 - AT)

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Designated extension state (EPC)

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