

Title (en)  
OPERATING CIRCUIT FOR LEDS

Title (de)  
BETRIEBSSCHALTUNG FÜR LEDS

Title (fr)  
CIRCUIT DE FONCTIONNEMENT DESTINÉ À DES LED

Publication  
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Application  
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Abstract (en)  
[origin: WO2010046065A1] The invention relates to an operating circuit for at least one LED, which receives a DC voltage or a rectified AC voltage, and which supplies a supply voltage for at least one LED via a coil (L1) and a first switch (S1) clocked by a control/regulating unit (SR), wherein power is stored temporarily in the coil (L1) when the first switch (S1) is activated, said power being discharged via a diode (D1) and via at least one LED when the first switch (S1) is turned off, wherein a capacitor (C1) is present, which is arranged in parallel to the at least one LED, and which maintains the current through the LED during the phase of demagnetization of the coil (L1), wherein a first sensor unit (SE1) is present, which generates a first sensor signal (SESI) depending on the current flow through the first switch (S1), and/or a second sensor unit (SE2), which detects that the demagnetization of the coil (L1) has been reached and generates a sensor signal (SES2), and the sensor signals (SESI, SES2) are fed to the control/regulating unit (SR) and processed, wherein the control/regulating unit (SR) reactivates the first switch (S1) at the time when the coil (L1) is demagnetized and/or the diode (D1) is blocking.

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