

Title (en)  
DRIVING CIRCUIT FOR LEDS

Title (de)  
TREIBERSCHALTUNG FÜR LEDS

Title (fr)  
CIRCUIT DE COMMANDE POUR LEDS

Publication  
**EP 2420108 A1 20120222 (DE)**

Application  
**EP 10719585 A 20100402**

Priority  
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Abstract (en)  
[origin: WO2010112237A1] The invention relates to a driver circuit for an LED, comprising a connection for a mains voltage, a rectifier (GR1), a filter circuit (L1), an inductor(L2), and a switch (S1), wherein the inductor (L2) is magnetized when the switch(S1) is closed, and the inductor (L2) is demagnetized when the switch (S1) is opened, and the current feeds the LED through the inductor (L2) at least during the phase of the demagnetization, wherein the switch (S1) is always opened only when the current through the switch (S1) has reached a specified threshold, and the specified threshold depends on the present amplitude of the supply voltage  $V_{in}$ .

IPC 8 full level  
**H05B 44/00** (2022.01)

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**H05B 45/3725** (2020.01 - EP US); **H05B 45/382** (2020.01 - EP US)

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See references of WO 2010112237A1

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