

Title (en)
DRIVER CIRCUIT FOR AN LED

Title (de)
TREIBERSCHALTUNG FÜR EINE LED

Title (fr)
CIRCUIT D'EXCITATION POUR UNE LED

Publication
EP 2425679 A1 20120307 (DE)

Application
EP 10721271 A 20100429

Priority
• AT 2010000136 W 20100429
• AT 2812009 U 20090430

Abstract (en)
[origin: WO2010124311A1] The invention relates to a driver circuit for an LED, comprising a connection for a supply voltage, a filter circuit, a rectifier GR, and an intermediate storage element C1, an isolated switched regulator circuit having at least one switch S1 and a transformer L2, to the output of which at least one LED is connected, wherein a unidirectional decoupling member D1 is present between the rectifier and the intermediate storage element C1, wherein a capacitor C3 is coupled to the node between the rectifier GR and the unidirectional decoupling member D1, and said capacitor C3 is coupled with the second connection thereof to the LED current ILED or the transformer L2.

IPC 8 full level
H05B 44/00 (2022.01)

CPC (source: EP US)
H05B 45/3725 (2020.01 - EP US); **H05B 45/382** (2020.01 - EP US); **H05B 45/39** (2020.01 - EP US)

Citation (search report)
See references of WO 2010124311A1

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

DOCDB simple family (publication)
WO 2010124311 A1 20101104; CN 102428753 A 20120425; CN 102428753 B 20140813; DE 112010001817 A5 20120531; EP 2425679 A1 20120307; EP 2425679 B1 20150128

DOCDB simple family (application)
AT 2010000136 W 20100429; CN 201080018436 A 20100429; DE 112010001817 T 20100429; EP 10721271 A 20100429