

Title (en)  
LED LAMP WITH CONTROL CIRCUIT

Title (de)  
LED-LEUCHTE MIT STEUERSCHALTUNG

Title (fr)  
LAMPE À DEL AVEC CIRCUIT DE COMMANDE

Publication  
**EP 3154316 B1 20180328 (DE)**

Application  
**EP 16192574 A 20161006**

Priority  
DE 102015219367 A 20151007

Abstract (en)  
[origin: US2017105254A1] A control circuit for a voltage converter has a switch which has a multiplicity of parallel-connected current-conducting branches with resistors with different resistance values, and a contact maker. The contact maker is configured to connect selectively in each case one of the multiplicity of parallel-connected current-conducting branches to an input contact of the switch. The control circuit also includes a detector circuit which is configured to determine a voltage drop across the resistors and to output, as a function of the determined voltage drop, an actuation signal for setting a setpoint output current of the voltage converter to the voltage converter.

IPC 8 full level  
**H05B 33/08** (2006.01); **H05B 44/00** (2022.01)

CPC (source: AT EP US)  
**F21V 23/04** (2013.01 - AT); **H05B 45/37** (2020.01 - EP US); **H05B 45/48** (2020.01 - AT); **H01K 1/64** (2013.01 - AT);  
**H05B 45/382** (2020.01 - EP US); **H05B 45/385** (2020.01 - EP US); **H05B 45/39** (2020.01 - EP US)

Cited by  
DE102019101348B3; EP3582591A1; US10757772B2

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3154316 A1 20170412; EP 3154316 B1 20180328**; AT 517758 A2 20170415; AT 517758 A3 20180815; DE 102015219367 A1 20170413;  
DE 102015219367 B4 20220714; US 10143048 B2 20181127; US 2017105254 A1 20170413

DOCDB simple family (application)  
**EP 16192574 A 20161006**; AT 509522015 A 20151109; DE 102015219367 A 20151007; US 201615287929 A 20161007