

Title (en)  
A LED circuit

Title (de)  
LED-Schaltung

Title (fr)  
Circuit DEL

Publication  
**EP 2624663 B1 20150527 (EN)**

Application  
**EP 13153604 A 20130201**

Priority  
NL 2008231 A 20120203

Abstract (en)  
[origin: EP2624663A1] The invention relates to a LED circuit, comprising a LED module and a driver circuit for feeding the LED module. The driver circuit has a pair of input terminals forming a line input terminal and a neutral input terminal, respectively, and a pair of output terminals forming input terminals of the LED module. The LED module is provided with a substrate, a heat sink and a multiple number of LED elements connected in series. Further, the LED elements are provided with a corresponding heat pad that is capacitively coupled to the heat sink and to the anode and cathode of the LED elements. The LED circuit according to the invention comprises a shunt circuit bypassing the capacitive coupling between the anode and cathode of the LED elements on the one hand, and the corresponding heat pad on the other hand. The shunt circuit has a low impedance for transient signals.

IPC 8 full level  
**H05B 44/00** (2022.01); **H05K 9/00** (2006.01)

CPC (source: EP US)  
**H05B 45/54** (2020.01 - EP US); **H05B 45/56** (2020.01 - EP US)

Cited by  
US11118773B2; WO2015124520A1; WO2018099791A1

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 2624663 A1 20130807; EP 2624663 B1 20150527; NL 2008231 C2 20130806**

DOCDB simple family (application)  
**EP 13153604 A 20130201; NL 2008231 A 20120203**