Title (en)

A LED circuit

Title (de)

LED-Schaltung

Title (fr)

Circuit DEL

Publication

EP 2624663 A1 20130807 (EN)

Application

EP 13153604 A 20130201

Priority

NL 2008231 A 20120203

Abstract (en)

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)

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Designated contracting state (EPC)

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