

Title (en)

Temperature compensation of luminous flux of LED lights

Title (de)

Temperaturkompensation des Lichtstroms an LED-Leuchten

Title (fr)

Compensation de température du flux lumineux sur des lampes à DEL

Publication

EP 2355621 A3 20140101 (DE)

Application

EP 11153517 A 20110207

Priority

DE 102010006998 A 20100205

Abstract (en)

[origin: EP2355621A2] The circuit (100) has a signal input (110) for receiving a temperature signal, and an electrical power output (120) or a control signal output for controlling an electrical supply device with the power output. The power output provides an electric current for supply of a LED (20) of a light. A low temperature interval and a high temperature interval exist so that the circuit provides lower power when temperature lies in the low temperature interval and the high temperature interval. The low and high temperature intervals are adjoined at threshold temperature. An independent claim is also included for a lighting system comprising a power supply circuit and a temperature sensor.

IPC 8 full level

H05B 44/00 (2022.01); **H05B 37/02** (2006.01)

CPC (source: EP US)

H05B 45/18 (2020.01 - EP); **H05B 45/56** (2020.01 - EP US); **H05B 47/105** (2020.01 - EP US)

Citation (search report)

- [X] DE 102006046729 A1 20080807 - INFINEON TECHNOLOGIES AG [DE]
- [I] WO 0148495 A1 20010705 - GELCORE COMPANY [CA]
- [A] EP 0492117 A2 19920701 - MOTOROLA INC [US]
- [IP] US 2010237787 A1 20100923 - VOGLER GERD [DE], et al

Cited by

EP3389340A1; CN108521692A; EP4094987A4; FR3083340A1; CN105075394A; DE102015117852A1; EP2875703A4; AU2018202539B2; US9313852B2; WO2015059675A1; EP3118279A1; EP3589078A1; CN110626253A; FR3085099A1; WO2020002264A1; WO2013168104A1; WO2014015021A2; US10278249B2; EP3032920A2; DE102014118440A1; US10849196B2; US10485075B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2355621 A2 20110810; EP 2355621 A3 20140101; EP 2355621 B1 20200401; DE 102010006998 A1 20110811; PL 2355621 T3 20200907

DOCDB simple family (application)

EP 11153517 A 20110207; DE 102010006998 A 20100205; PL 11153517 T 20110207