

Title (en)

CONTROLLED FUNCTION LIGHT EMITTING DIODE LIGHTING DEVICE AND METHOD

Title (de)

LEUCHTDIODENBELEUCHTUNGSVORRICHTUNG UND -VERFAHREN MIT GESTEUERTER FUNKTION

Title (fr)

DISPOSITIF ET PROCÉDÉ D'ÉCLAIRAGE À DIODES ÉLECTROLUMINESCENTES À FONCTION COMMANDÉE

Publication

EP 3298863 A4 20180606 (EN)

Application

EP 16796896 A 20160419

Priority

- US 201514717617 A 20150520
- US 2016028222 W 20160419

Abstract (en)

[origin: WO2016186787A1] A lighting device includes an electrical circuit for energizing an LED light source. The electrical circuit is configured to: have a target relationship between two illuminating operational parameters of the LED, connect the LED to a power source, energize the LED with a voltage waveform to effect a current waveform, determine a magnitude of each of the two operational parameters, determine an operational relationship between the two operational parameters, compare the target relationship with the operational relationship, determine a difference between the target relationship and the operational relationship and respond to the difference by adjusting the voltage waveform such that it changes one or both operational parameters to bring the operational relationship towards the target relationship.

IPC 8 full level

H05B 44/00 (2022.01)

CPC (source: EP)

H05B 45/24 (2020.01)

Citation (search report)

- [X] US 2014225529 A1 20140814 - BECZKOWSKI SZYMON [DK]
- See references of WO 2016186787A1

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)

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DOCDB simple family (application)

US 2016028222 W 20160419; EP 16796896 A 20160419