

Title (en)

A method of operating a LED based light source and a lighting device comprising such a LED based light source

Title (de)

VERFAHREN ZUM BETRIEB EINER LICHTQUELLE AUF LED-BASIS UND BELEUCHTUNGSVORRICHTUNG MIT SOLCH EINER LICHTQUELLE AUF LED-BASIS

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UNE SOURCE DE LUMIÈRE À DEL ET DISPOSITIF D'ÉCLAIRAGE COMPRENANT LADITE SOURCE DE LUMIÈRE À DEL

Publication

EP 3017660 A1 20160511 (EN)

Application

EP 14745091 A 20140630

Priority

- EP 13003318 A 20130630
- EP 2014063839 W 20140630
- EP 14745091 A 20140630

Abstract (en)

[origin: WO2015000837A1] The invention relates to a method of operating a light source comprising one or more LEDs by supplying power to the light source whenever illumination is required. A condition of the LEDs is monitored and an amount of power supplied to the light source is controlled on the basis of the monitored condition. The monitored condition may be a light emitting efficiency of the LEDs, and the amount of power supplied to the light source may be controlled such as to maintain a total amount of light output by the light source at a constant level for a predetermined period of time. The light emitting efficiency may decrease with increasing age of the LEDs and the amount of power supplied to the light source may be increased over time to compensate for the decreasing efficiency. The invention further relates to a lighting device with which the above method may be carried out. Such a lighting device may comprise a light source including one or more LEDs, a power supply and a controller. The controller may be adapted to monitor a condition of the LEDs and to control the power supply on the basis of the monitored condition.

IPC 8 full level

H05B 44/00 (2022.01)

CPC (source: EP US)

H05B 45/10 (2020.01 - EP US); **H05B 45/58** (2020.01 - EP US); **H05B 45/18** (2020.01 - EP US)

Citation (search report)

See references of WO 2015000837A1

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)

WO 2015000837 A1 20150108; EP 3017660 A1 20160511

DOCDB simple family (application)

EP 2014063839 W 20140630; EP 14745091 A 20140630