

Title (en)

LED LIGHTING DEVICE AND METHOD FOR OPERATING AN LED LIGHTING DEVICE

Title (de)

LED-LEUCHTVORRICHTUNG UND VERFAHREN ZUM BETREIBEN EINER LED-LEUCHTVORRICHTUNG

Title (fr)

DISPOSITIF D'ÉCLAIRAGE À DEL ET PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN DISPOSITIF D'ÉCLAIRAGE À DEL

Publication

EP 2499883 B1 20211006 (DE)

Application

EP 11701785 A 20110120

Priority

- DE 102010028406 A 20100430
- DE 102010001889 A 20100212
- EP 2011050781 W 20110120

Abstract (en)

[origin: WO2011098334A1] The invention relates to a method serving to operate an LED lighting device (L), wherein the LED lighting device (L) has at least: at least two color channels (Ch1, Ch2, Ch3), in particular of different colors, wherein each color channel (Ch1, Ch2, Ch3) comprises at least one LED (LD1, LD2, LD3) of the same color and wherein each color channel (Ch1, Ch2, Ch3) can be actuated separately, and at least one photo detector (D), which is configured and arranged to detect a portion of light radiated from the LEDs (LD1, LD2, LD3), wherein the method comprises at least the following steps: changing the LED lighting device (L) from an operating phase (BP1) to a measurement phase (MP); and temporally successively actuating the color channels (Ch1, Ch2, Ch3) so that light radiated during the measurement phase (MP) by the LEDs (LD1, LD2, LD3) has an integral color mixture which substantially corresponds to a color mixture of the operating phase (BP1).

IPC 8 full level

H05B 44/00 (2022.01); **H05B 45/22** (2020.01)

CPC (source: EP US)

H05B 45/22 (2020.01 - EP US)

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)

WO 2011098334 A1 20110818; CN 102754526 A 20121024; CN 102754526 B 20150930; DE 102010028406 A1 20110818; EP 2499883 A1 20120919; EP 2499883 B1 20211006; JP 2013519970 A 20130530; US 2012306379 A1 20121206; US 9392664 B2 20160712

DOCDB simple family (application)

EP 2011050781 W 20110120; CN 201180009320 A 20110120; DE 102010028406 A 20100430; EP 11701785 A 20110120; JP 2012552328 A 20110120; US 201113578795 A 20110120