Title (en)

LIGHTING DEVICE WITH CONSISTENT LIGHTING PROPERTIES

Title (de)

BELEUCHTUNGSVORRICHTUNG MIT KONSISTENTEN LICHTEIGENSCHAFTEN

Title (fr)

DISPOSITIF D'ÉCLAIRAGE À CARACTÉRISTIQUES OPTIQUES STABLES

Publication

EP 3456151 A1 20190320 (DE)

Application

EP 17722022 A 20170508

Priority

- DE 102016108754 A 20160511
- EP 2017060944 W 20170508

Abstract (en)

[origin: WO2017194480A1] The invention relates to a lighting device (1) for the coordinated lighting of interiors in particular. The lighting device comprises multiple spatially distributed lighting units (10, 12), each lighting unit (10, 12) having at least one light source (101, 103, 102, 104), at least one respective first sensor (7), and a calibrating device (48) with a storage unit in which calibration values are stored. The individual lighting units can be calibrated individually such that each calibrating device (48) has individual calibration values. In particular, the calibration values represent value pairs of calibrated actual values and corresponding measurement values of the sensor (7) of the light sources (101, 103, 102, 104). The calibrating device (48) is designed to receive measurement values of the sensor (7) and generate a corrected color and/or intensity value using the sensor values. The lighting device (1) comprises at least one regulating device (50) which generates a control value using the corrected color and/or intensity values, said control value being used to actuate the light sources in order to achieve a specified color and/or intensity value.

IPC 8 full level

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

CPC (source: EP US)

H05B 45/20 (2020.01 - EP US); **H05B 45/22** (2020.01 - EP US); **H05B 47/175** (2020.01 - EP US); H05B 47/11 (2020.01 - EP US)

Citation (search report)

See references of WO 2017194480A1

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 2017194480 A1 20171116; CA 3018362 A1 20171116; CN 109156060 A 20190104; CN 109156060 B 20210511; DE 102016108754 A1 20171116; EP 3456151 A1 20190320; JP 2019516226 A 20190613; US 10874007 B2 20201222; US 2019082516 A1 20190314

DOCDB simple family (application)

EP 2017060944 W 20170508; CA 3018362 A 20170508; CN 201780029186 A 20170508; DE 102016108754 A 20160511; EP 17722022 A 20170508; JP 2018558693 A 20170508; US 201816188931 A 20181113