

Title (en)  
METHOD FOR DRIVING AN LED LUMINAIRE AND LED LUMINAIRE

Title (de)  
VERFAHREN ZUR ANSTEUERUNG EINER LED-LEUCHTE UND LED-LEUCHTE

Title (fr)  
PROCÉDÉ DE COMMANDE D'UNE LAMPE À LED ET LAMPE À LED

Publication  
**EP 3207763 B1 20210512 (DE)**

Application  
**EP 15774612 A 20151002**

Priority  
• DE 102014115076 A 20141016  
• EP 2015072854 W 20151002

Abstract (en)  
[origin: WO2016058849A1] A method for driving an LED luminaire (100) and an LED luminaire (100) suitable therefor are described. The LED luminaire (100) comprises at least one first LED arrangement (1) and one second LED arrangement (2), wherein the first LED arrangement (1) and the second LED arrangement (2) emit light having different light spectra during operation and, in this case, the first LED arrangement (1) preferably emits a higher proportion of blue light than the second LED arrangement (2). In this case, the proportions of the light emitted by the first LED arrangement (1) and the second LED arrangement (2) within a total light spectrum of the LED arrangements (1, 2) are controlled in accordance with a predefined spectrum control function (STK). Upon reception of a short-term dose change signal (DHS), at least the first LED arrangement (1) is driven for a predefined dose change time period ( $\Delta t_B$ ) in a manner deviating from the predefined spectrum control function (STK) such that it is operated with a predefined minimum power or the proportion of the light of said first LED arrangement (1) within the total light spectrum of the LED arrangements (1, 2) is a specific minimum proportion, and, after the predefined dose change time period ( $\Delta t_B$ ) has elapsed, the LED arrangements (1, 2) are driven in accordance with a predefined control rule such that the total light spectrum again corresponds to the current value of the predefined spectrum control function (STK).

IPC 8 full level  
**H05B 44/00** (2022.01); **H05B 45/20** (2020.01); **H05B 45/37** (2020.01); **H05B 45/46** (2020.01); **H05B 47/10** (2020.01)

CPC (source: EP US)  
**H05B 45/20** (2020.01 - EP US); **H05B 45/3725** (2020.01 - EP US); **H05B 45/46** (2020.01 - EP); **H05B 47/10** (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)  
**DE 102014115076 A1 20160421**; EP 3207763 A1 20170823; EP 3207763 B1 20210512; WO 2016058849 A1 20160421

DOCDB simple family (application)  
**DE 102014115076 A 20141016**; EP 15774612 A 20151002; EP 2015072854 W 20151002