

Title (en)
LIGHTING CONTROL SYSTEM AND METHOD

Title (de)
BELEUCHTUNGSSTEUERUNGSSYSTEM UND -VERFAHREN

Title (fr)
SYSTÈME ET PROCÉDÉ DE COMMANDE D'ÉCLAIRAGE

Publication
EP 3914045 B1 20220511 (EN)

Application
EP 20175254 A 20200518

Priority
EP 20175254 A 20200518

Abstract (en)
[origin: EP3914045A1] The invention relates to a lighting system (100) with a lighting unit (110) which comprises at least two light sources (111, 112, 113, 114) having different color spectrums, with an optical part (116) which is configured to mix the color spectrums of the light sources (111, 112, 113, 114), with a drive unit (116) which is connected to the lighting unit (110), with a sensor (117) which is arranged in a connection area between the drive unit (116) and the lighting unit (110), and which is configured to detect the junction temperature (131) of the light sources (111, 112, 113, 114), and with a control unit (140) which is configured to optimize a value of color consistency of each of the light sources (111, 112, 113, 114) and to maximize life time of each of the light sources (111, 112, 113, 114), and to act on the drive unit (116).

IPC 8 full level
H05B 45/28 (2020.01); **H05B 45/20** (2020.01); **H05B 45/22** (2020.01)

CPC (source: EP)
H05B 45/22 (2020.01); **H05B 45/28** (2020.01)

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)
EP 3914045 A1 20211124; **EP 3914045 B1 20220511**; DK 3914045 T3 20220725; ES 2924269 T3 20221005; WO 2021233813 A1 20211125

DOCDB simple family (application)
EP 20175254 A 20200518; DK 20175254 T 20200518; EP 2021062954 W 20210517; ES 20175254 T 20200518