

Title (en)
LIGHTING CONTROL SYSTEM AND METHOD

Title (de)
BELEUCHTUNGSSTEUERUNGSSYSTEM UND -VERFAHREN

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

Publication
EP 3914045 A1 20211124 (EN)

Application
EP 20175254 A 20200518

Priority
EP 20175254 A 20200518

Abstract (en)
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).

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

Citation (search report)
• [A] WO 2004100611 A1 20041118 - ILUMERA GROUP AG [CH], et al
• [A] US 6441558 B1 20020827 - MUTHU SUBRAMANIAN [US], et al
• [A] WO 2015200615 A1 20151230 - KETRA INC [US]

Designated contracting state (EPC)
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