

Title (en)

ILLUMINATION SYSTEM FOR CONTROLLING COLOR TEMPERATURE AS A FUNCTION OF BRIGHTNESS

Title (de)

BELEUCHTUNGSSYSTEM ZUM STEUERN DER FARBTEMPERATUR ALS FUNKTION DER HELLIGKEIT

Title (fr)

SYSTÈME D'ÉCLAIRAGE POUR LE RÉGLAGE DE LA TEMPÉRATURE DE COULEUR EN FONCTION DE LA LUMINOSITÉ

Publication

**EP 4080339 A1 20221026 (EN)**

Application

**EP 22179364 A 20170807**

Priority

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- US 201615265422 A 20160914
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- US 2017045742 W 20170807

Abstract (en)

An illumination system and method is provided for readily mapping a plurality of scenes along a dimcurve form a natural show for one or more groups of LED illumination devices. Mapping can be performed using a graphical user interface on a remote controller wirelessly linked to the illumination devices. A keypad is preferably configured for button control of changes to color temperature as a function of brightness along each of the various dimcurves for each of the various groups of illumination devices controlled by a corresponding keypad to allow momentary or persistent override and reprogram of the natural show. Modification to a scene further comprises modifications to scenes before and after the currently modified scene to provide a smoothing dimcurve modification.

IPC 8 full level

**G06F 3/048** (2013.01); **H05B 45/20** (2020.01); **H05B 47/16** (2020.01)

CPC (source: CN EP US)

**H05B 45/10** (2020.01 - CN); **H05B 45/20** (2020.01 - CN EP US); **H05B 47/16** (2020.01 - EP US); **H05B 47/165** (2020.01 - CN); **H05B 47/19** (2020.01 - CN)

Citation (applicant)

- US 201514314530 A
- US 2015382422 A1 20151231 - HO HORACE C [US], et al
- US 201414314580 A 20140625
- US 9392663 B2 20160712 - KNAPP DAVID J [US], et al
- US 201414481081 A 20140909
- US 2016066384 A1 20160303 - DIAS ALCIDES JOSE [US], et al
- US 201414314451 A 20140625
- US 2015377699 A1 20151231 - HO HORACE C [US], et al
- US 201414471057 A 20140828
- US 9392660 B2 20160712 - DIAS ALCIDES JOSE [US], et al
- US 201313970990 A 20130820
- US 201615041166 A 20160211

Citation (search report)

- [IY] WO 2015175394 A2 20151119 - SAVANT SYSTEMS LLC [US]
- [A] US 2004135522 A1 20040715 - BERMAN GEORGE [US], et al
- [A] US 2013307419 A1 20131121 - SIMONIAN DMITRI [US], et al
- [Y] EP 2706821 A1 20140312 - PANASONIC CORP [JP]
- [Y] EP 2713681 A1 20140402 - PANASONIC CORP [JP]

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