Title (en)

CONTROL SYSTEM AND METHOD FOR CONTROLLING AN ELECTRICAL SUPPLY CIRCUIT FOR LIGHTING MEANS, OPERATING DEVICE, LUMINAIRE AND LIGHTING SYSTEM

Title (de)

STEUERSYSTEM UND VERFAHREN ZUR STEUERUNG EINER ELEKTRISCHEN VERSORGUNGSSCHALTUNG FÜR BELEUCHTUNGSMITTEL, BEDIENUNGSVORRICHTUNG, LEUCHTE UND BELEUCHTUNGSSYSTEM

Title (fr)

SYSTÈME DE COMMANDE ET PROCÉDÉ DE COMMANDE D'UN CIRCUIT D'ALIMENTATION ÉLECTRIQUE POUR DES ÉCLAIRAGES, DISPOSITIF DE COMMANDE, LUMINAIRE ET SYSTÈME D'ÉCLAIRAGE

Publication

EP 4231784 A1 20230823 (EN)

Application

EP 22157168 A 20220217

Priority

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Abstract (en)

The invention relates to a control system (1) for controlling an electrical supply circuit (7) for electrically supplying lighting means (10), optional at least one light emitting diode, LED. The control system (1) comprises a control IC (1a) comprising an analog-to-digital-converter (2), ADC, for converting a measurement of at least one electrical quantity (EQ) of the electrical supply circuit (7) into a digital signal (DS). Further, the control system (1) comprises signal processing means (3) for processing the digital signal (DS), and the control IC (1a) comprises a controller (4) for controlling the at least one electrical quantity (EQ). The signal processing means (3) is configured to perform a statistical evaluation of the digital signal (DS). The controller (4) is configured to control, based on the digital signal (DS), the at least one electrical quantity (EQ) using the statistical evaluation of the digital signal (DS).

IPC 8 full level

H05B 45/59 (2022.01); **H05B 47/20** (2020.01)

CPC (source: EP)

H05B 45/59 (2022.01); **H05B 47/20** (2020.01)

Citation (search report)

- [XI] DE 102015216584 A1 20170302 - TRIDONIC GMBH & CO KG [AT]
- [Y] US 10362652 B1 20190723 - XIONG WEI [US], et al
- [Y] US 2019045600 A1 20190207 - ZENTENO LEOBARDO STEPHEN LINCOLN STRANGE [MX], et al

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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