

Title (en)

DIMMABLE OPERATING UNIT AND LIGHTING SYSTEM FOR INCREASING THE LIFE EXPECTANCY OF LEDS AND OLEDS

Title (de)

DIMMBARES BETRIEBSGERÄT UND BELEUCHTUNGSSYSTEM ZUR ERHÖHUNG DER LEBENSERWARTUNG BEI LEDS UND OLEDS

Title (fr)

APPAREIL DE COMMANDE PERMETTANT UNE RÉDUCTION DE L'INTENSITÉ ET SYSTÈME D'ÉCLAIRAGE DESTINÉ À ACCROÎTRE LA DURÉE DE VIE DE DEL OU DE DELO

Publication

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Application

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Priority

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- DE 102009014998 A 20090326

Abstract (en)

[origin: WO2010108982A1] The invention relates to an operating unit (1) for operating at least one LED (9). Said unit has an electronic control system (2) for adapting a supply current to the operating characteristics of the LED or LEDs and a control unit (3) for controlling the LED operation. The invention is characterised in that the operating unit limits the maximum output of the LED or LEDs in a first operating phase to a predetermined level and the operating unit converts an external dim command in an appropriate manner.

IPC 8 full level

H05B 44/00 (2022.01)

CPC (source: EP US)

H05B 45/12 (2020.01 - EP US)

Citation (opposition)

Opponent : **BAG electronics GmbH**

- US 2008258637 A1 20081023 - LEUNG SHUN KEI [HK]
- DE 20220356 U1 20030605 - INSTA ELEKTRO GMBH [DE]
- EP 0952757 B1 20040804 - SIEMENS AG [DE]
- WO 2007046795 A1 20070426 - ACUITY BRANDS INC [US], et al
- DE 102005024449 A1 20060907 - ERCO LEUCHTEN [DE]
- WO 2008009306 A1 20080124 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE], et al
- EP 1976343 A1 20081001 - MATSUSHITA ELECTRIC WORKS LTD [JP]
- WO 2010108982 A1 20100930 - TRIDONICATCO GMBH & CO KG [AT], et al

Cited by

DE102016221770A1; DE102016221771A1; US10856385B2

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DOCDB simple family (publication)

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