

Title (en)

APPARATUS AND METHOD FOR OPERATING CURRENT DEPENDENT ELECTRONIC DEVICES

Title (de)

VORRICHTUNG UND VERFAHREN FÜR DEN BETRIEB VON STROMABHÄNGIGEN ELEKTRONISCHEN GERÄTEN

Title (fr)

APPAREIL ET PROCEDE POUR LE FONCTIONNEMENT DE DISPOSITIFS ELECTRONIQUE A DEPENDANCE DE COURANT

Publication

EP 1632111 A1 20060308 (EN)

Application

EP 04727942 A 20040416

Priority

- GB 2004001670 W 20040416
- GB 0308815 A 20030416

Abstract (en)

[origin: GB2400691A] An apparatus for operating one or more electronic devices requiring a given current, such as light-emitting diodes on an elongate lighting strip connected at (12), comprises a regulator device (10) providing voltage output, and a feedback loop having a reference device (20) connected to the voltage output and requiring the same current as the electronic devices, a measuring and conversion device (18,22) operable to measure the current through the reference device and convert it to a voltage value and return it to the regulator device (10), wherein the regulator device (10) is operable to adjust the output voltage in response to the voltage value until the measured current is equal to the given current required.

IPC 1-7

H05B 33/08; **G01R 19/00**

IPC 8 full level

H05B 44/00 (2022.01)

CPC (source: EP US)

H05B 45/10 (2020.01 - US); **H05B 45/345** (2020.01 - EP)

Citation (search report)

See references of WO 2004095887A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

GB 0308815 D0 20030521; **GB 2400691 A 20041020**; **GB 2400691 B 20051026**; AT E339078 T1 20060915; DE 602004002302 D1 20061019; DE 602004002302 T2 20070405; EP 1632111 A1 20060308; EP 1632111 B1 20060906; ES 2273249 T3 20070501; WO 2004095887 A1 20041104

DOCDB simple family (application)

GB 0308815 A 20030416; AT 04727942 T 20040416; DE 602004002302 T 20040416; EP 04727942 A 20040416; ES 04727942 T 20040416; GB 2004001670 W 20040416