

Title (en)  
DEVICE FOR SUPPLYING LIGHT SOURCES WITH ENERGY IN A MANNER THAT INCREASES THEIR SERVICE LIFE, BY REDUCING CURRENT/VOLTAGE PEAKS

Title (de)  
VORRICHTUNG ZUR ENERGIEVERSORGUNG VON, UNTER VERRINGERUNG VON STROM/SPANNUNGSSTÖßEN AN, LEUCHTDIODEN

Title (fr)  
DISPOSITIF D'ALIMENTATION DE MOYENS D'ECLAIRAGE EN ENERGIE DE MANIERE A AUGMENTER LEUR DUREE DE VIE, AVEC DIMINUTION DES PICS DE COURANT/VOLTAGE

Publication  
**EP 3128812 A1 20170208 (DE)**

Application  
**EP 16189873 A 20140724**

Priority

- EP 13178386 A 20130729
- EP 14742240 A 20140724
- EP 2014065943 W 20140724

Abstract (en)  
[origin: WO2015014713A1] The invention relates to a circuit for the energy supplying of a sequential circuit of typically non-linear loads by means of a current source (1). The load according to the invention is preferably a series circuit of LEDs (4, 10). Said current-operated load, preferably a LED series circuit (4, 10), consisting of one to N elements is partially short-circuited (3, 9) and thus dimmed.

Abstract (de)  
Die Erfindung betrifft eine Schaltung (7) zur Energieversorgung einer sequentiellen Schaltung typischerweise nichtlinearer Lasten (4, 10) mit Hilfe einer Stromquelle (1). Vorzugsweise handelt es sich bei der Last um eine Serienschaltung aus LEDs (4, 10). Diese strombetriebene Last, vorzugsweise eine LED-Serienschaltung (4, 10), bestehend aus ein bis N Elementen und wird partiell kurzgeschlossen und damit gedimmt.

IPC 8 full level  
**H05B 44/00** (2022.01)

CPC (source: EP US)  
**H05B 45/24** (2020.01 - EP US); **H05B 45/48** (2020.01 - EP US); **H05B 45/54** (2020.01 - EP US); **H05B 45/56** (2020.01 - EP US)

Citation (applicant)

- US 2012223649 A1 20120906 - SAES MARC [NL], et al
- DE 102009025752 A1 20101209 - LEAR CORP [DE]
- US 2012153844 A1 20120621 - CHOBOT JOSEPH PAUL [US]
- US 2010194274 A1 20100805 - HOOGZAAD GIAN [NL]

Citation (search report)

- [A] US 2012223649 A1 20120906 - SAES MARC [NL], et al
- [A] US 2010194274 A1 20100805 - HOOGZAAD GIAN [NL]
- [A] US 2012153844 A1 20120621 - CHOBOT JOSEPH PAUL [US]
- [A] DE 102009025752 A1 20101209 - LEAR CORP [DE]
- [A] US 2011260617 A1 20111027 - TANAKA TOSHIFUMI [JP]
- [A] US 2011199003 A1 20110818 - MUGURUMA SHUJI [JP], et al

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 13178386 A 20130729**; EP 14742240 A 20140724; EP 16189851 A 20140724; EP 16189870 A 20140724; EP 16189871 A 20140724; EP 16189873 A 20140724; EP 16189877 A 20140724; EP 2014065943 W 20140724; US 201414908592 A 20140724