

Title (en)

DEVICE FOR FAILURE PROTECTION IN LIGHTING DEVICES HAVING LIGHT EMITTING DIODES

Title (de)

VORRICHTUNG FÜR AUSFALLSCHUTZ IN BELEUCHTUNGSEINRICHTUNGEN MIT LEUCHTDIODEN

Title (fr)

DISPOSITIF POUR PROTECTION CONTRE LES DÉFAILLANCES DANS DES DISPOSITIFS D'ÉCLAIRAGE AYANT DES DIODES ÉLECTROLUMINESCENTES

Publication

**EP 2777365 A4 20151202 (EN)**

Application

**EP 11875405 A 20111110**

Priority

CN 2011082056 W 20111110

Abstract (en)

[origin: WO2013067704A1] A lighting device comprises a light engine (102) with one or more LEDs (104), a drive circuit (108) coupled to the light engine (102) and energized the light engine (102) with a drive signal current, and a protection device (114) coupled to the drive circuit (108). The protection device (104) comprises a fault switch (234) having a position that maintains the drive signal current at or below a level that permits continued operation of the light engine (102) during a failure condition in the lighting device.

IPC 8 full level

**H05B 37/02** (2006.01); **H02H 9/04** (2006.01); **H05B 44/00** (2022.01); **H05B 45/50** (2022.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)

**H05B 45/50** (2020.01 - EP US); **H05B 45/58** (2020.01 - EP US); **Y02B 20/30** (2013.01 - EP)

Citation (search report)

- [X] WO 2010035168 A1 20100401 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [X] US 2010156324 A1 20100624 - NAGASE HARUO [JP], et al
- [X] US 6274987 B1 20010814 - BURKE ROBERT V [US]
- [A] EP 0752804 A1 19970108 - MAGNETEK SPA [IT]
- See references of WO 2013067704A1

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

DOCDB simple family (publication)

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DOCDB simple family (application)

**CN 2011082056 W 20111110**; CA 2857527 A 20111110; CN 201180076237 A 20111110; EP 11875405 A 20111110