

Title (en)

ELECTRONIC CIRCUIT FOR CONVERTING A MAINS-OPERATED LUMINAIRE INTO AN EMERGENCY LUMINAIRE

Title (de)

ELEKTRONISCHE SCHALTUNG ZUR UMWANDLUNG EINER NETZLEUCHTE IN EINE NOTLEUCHTE

Title (fr)

CIRCUIT ÉLECTRONIQUE PERMETTANT DE CONVERTIR UN ÉCLAIRAGE SUR SECTEUR EN UN ÉCLAIRAGE DE SECOURS

Publication

EP 2438669 A1 20120411 (DE)

Application

EP 10721285 A 20100526

Priority

- CH 2010000136 W 20100526
- EP 09405096 A 20090605
- EP 10721285 A 20100526

Abstract (en)

[origin: WO2010139080A1] An electronic circuit is provided for converting an existing mains-operated luminaire into an emergency luminaire. The mains-operated luminaire comprises an LED array (2) and a mains converter (1) for supplying the same with power. An emergency lighting element (5) having an electronic circuit supplies the LED array (2) with power from a storage battery (6) during emergency operation. During the transition to the emergency operation, the circuit (5) disconnects the power supply from the mains converter (1) and subsequently controls the power output of the storage battery (6) and the input power of the LED array (2) by way of a closed loop.

IPC 8 full level

H02J 9/06 (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)

H02J 9/065 (2013.01 - EP US); **H05B 45/50** (2020.01 - EP US); **H05B 47/20** (2020.01 - EP US); **H05B 47/165** (2020.01 - EP US)

Citation (search report)

See references of WO 2010139080A1

Citation (examination)

DE 3112314 A1 19821014 - CEAG LICHT & STROM [DE]

Cited by

EP4210439A1; WO2023131665A1

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010139080 A1 20101209; CA 2766422 A1 20101209; CA 2766422 C 20161213; EP 2438669 A1 20120411; JP 2012529258 A 20121115; JP 5575884 B2 20140820; US 2012104858 A1 20120503

DOCDB simple family (application)

CH 2010000136 W 20100526; CA 2766422 A 20100526; EP 10721285 A 20100526; JP 2012513430 A 20100526; US 201013375657 A 20100526