

Title (en)

CIRCUIT ARRANGEMENT AND METHOD FOR OPERATING LAMPS

Title (de)

SCHALTUNGSANORDNUNG UND VERFAHREN ZUM BETREIBEN VON LEUCHTMITTELN

Title (fr)

ENSEMBLE DE CIRCUITS ET PROCÉDÉ POUR FAIRE FONCTIONNER DES MOYENS D'ÉCLAIRAGE

Publication

**EP 3603345 A1 20200205 (DE)**

Application

**EP 18719548 A 20180423**

Priority

- DE 102017207473 A 20170504
- EP 2018060280 W 20180423

Abstract (en)

[origin: WO2018202453A1] The invention relates to a circuit arrangement (1) for operating lamps (110), comprising a circuit that can be supplied with a voltage and pulsed by means of at least one switch (11), by which means a transformer (10) is powered, the lamps (110) being supplied with current by means of a secondary winding (L2) of the transformer (10). The supply voltage (UDC) for the transformer (10) is a rectified, non-smoothed alternating voltage, a control unit (20) being designed to adapt to at least one of the following parameters for controlling the switch (11), according to the supply voltage (UDC) for the transformer (10): the switching frequency; the pulse duty factor; and the steepness of the rising or falling edge.

IPC 8 full level

**H05B 44/00** (2022.01); **H02M 1/00** (2006.01); **H02M 3/335** (2006.01)

CPC (source: AT EP US)

**H05B 45/3725** (2020.01 - AT EP US); **H05B 45/382** (2020.01 - AT EP US)

Citation (search report)

See references of WO 2018202453A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2018202453 A1 20181108**; AT 17750 U1 20230115; DE 102017207473 A1 20181108; EP 3603345 A1 20200205; EP 3603345 B1 20210602

DOCDB simple family (application)

**EP 2018060280 W 20180423**; AT 1382017 U 20170627; DE 102017207473 A 20170504; EP 18719548 A 20180423