

Title (en)

DRIVING CIRCUIT WITH DIMMING CONTROLLER FOR DRIVING LIGHT SOURCES

Title (de)

ANTRIEBSSCHALTUNG MIT DIMMERSCHALTUNG ZUM ANTREIBEN VON LICHTQUELLEN

Title (fr)

CIRCUIT D'ENTRAÎNEMENT AVEC COMMANDE DE GRADATION POUR EXCITER DES SOURCES LUMINEUSES

Publication

EP 3007521 A3 20160601 (EN)

Application

EP 15174194 A 20150629

Priority

US 201414509711 A 20141008

Abstract (en)

[origin: EP3007521A2] A driving circuit includes a power converter, a dimming controller and a current path coupled to the dimming controller. The power converter receives input power from a rectifier and provides output power to a light source. A power switch transfers power from an AC power source to the rectifier when the power switch is on. The dimming controller receives a switch monitoring signal indicative of the state of the power switch. An average current flowing through the light source has a first value if the power switch is on. The dimming controller is operable for adjusting the average current based on the switch monitoring signal. A current flows from the AC power source through the current path to ground when the power switch is off.

IPC 8 full level

H05B 37/02 (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)

H05B 45/10 (2020.01 - EP); **H05B 47/10** (2020.01 - EP US); **H05B 47/185** (2020.01 - EP US); **H05B 45/3725** (2020.01 - EP US)

Citation (search report)

[XI] EP 2611263 A2 20130703 - O2MICRO INC [US]

Cited by

US10630176B2

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)

EP 3007521 A2 20160413; **EP 3007521 A3 20160601**; CN 105517275 A 20160420; TW 201622488 A 20160616; TW I593313 B 20170721

DOCDB simple family (application)

EP 15174194 A 20150629; CN 201510641716 A 20150930; TW 104132552 A 20151002