

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 A2 20160413 (EN)**

Application

**EP 15174194 A 20150629**

Priority

US 201414509711 A 20141008

Abstract (en)

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 33/08** (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)

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