

Title (en)

SYSTEMS AND METHODS FOR PROVIDING POWER AND DATA TO LIGHTING DEVICES

Title (de)

SYSTEME UND VERFAHREN ZUR BEREITSTELLUNG VON ENERGIE UND DATEN FÜR BELEUCHTUNGSVORRICHTUNGEN

Title (fr)

SYSTÈMES ET PROCÉDÉS PERMETTANT DE FOURNIR DE L'ÉNERGIE ET DES DONNÉES À DES DISPOSITIFS D'ÉCLAIRAGE

Publication

EP 2949180 B1 20201028 (EN)

Application

EP 13821020 A 20131213

Priority

- US 201313750815 A 20130125
- US 2013075169 W 20131213

Abstract (en)

[origin: WO2014116364A2] Systems and methods are provided for lighting systems, including high output lighting systems for various environments. The lighting systems include a lighting controller for driving lighting modules and transmitting a data signal to the lighting modules. The data signal varies between logical states. The lighting controller provides a low loss rectified power signal. The lighting controller further provides data within the power signal by forming a positive polarity rectified power waveform corresponding to data in a first state and a negative polarity rectified waveform signal corresponding to data in a second state using substantially loss-less circuitry.

IPC 8 full level

H05B 44/00 (2022.01); **H05B 47/185** (2020.01)

CPC (source: EP US)

H05B 45/30 (2020.01 - EP US); **H05B 47/185** (2020.01 - EP US)

Citation (examination)

WO 9938363 A1 19990729 - LUMION CORP [CA], et al

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)

WO 2014116364 A2 20140731; **WO 2014116364 A3 20150108**; EP 2949180 A2 20151202; EP 2949180 B1 20201028; ES 2837650 T3 20210701

DOCDB simple family (application)

US 2013075169 W 20131213; EP 13821020 A 20131213; ES 13821020 T 20131213