

Title (en)

Control of lighting devices over a modulated DC bus

Title (de)

Ansteuerung von Leuchtmittel-Betriebsgeräten über einen modulierten DC-Bus

Title (fr)

Commande des dispositifs d'éclairage par des signaux modulés sur bus à courant continu

Publication

EP 1555859 B1 20140122 (DE)

Application

EP 04027898 A 20041124

Priority

DE 102004002026 A 20040114

Abstract (en)

[origin: EP1555859A1] The method involves using a central rectifier/PFC unit (20) that supplies several light source operating devices using at least one d.c. output stage (11), whereby the d.c. supply voltage has a high frequency digital control signals modulated onto it using powerline technology (17) that are read out in the operating devices (1) using powerline demodulators (15) and evaluated for controlling the associated light sources (14). An independent claim is also included for a control system for light source operating devices.

IPC 8 full level

H05B 37/02 (2006.01); **H02J 13/00** (2006.01); **H05B 41/24** (2006.01)

CPC (source: EP)

H05B 41/245 (2013.01); **H05B 47/185** (2020.01)

Citation (examination)

- US 2003222603 A1 20031204 - MOGILNER RAFAEL [IL], et al
- US 4587436 A 19860506 - CRONIN MICHAEL J [US]
- US 5289498 A 19940222 - HURLBUT AMY O [US], et al
- US 4296450 A 19811020 - PAICE DEREK A, et al
- US 3717858 A 19730220 - HADDEN D
- EP 1065105 A1 20010103 - MANNESMANN VDO AG [DE]
- DE 10160169 A1 20030626 - GOODRICH HELLA AEROSPACE LS [DE]
- EP 0365696 A1 19900502 - SIEMENS AG [DE]
- EP 0355532 A2 19900228 - SIEMENS AG [DE]
- EP 0463341 A1 19920102 - BRITISH AEROSPACE [GB]
- WO 9427419 A1 19941124 - ETTA IND INC [US]
- US 5245253 A 19930914 - QUAZI FAZLE S [US]

Cited by

DE102012216049A1; EP2237646A4; EP2651191A1; DE102010054784A1; AT14743U1; CN105830354A; AT14100U1; EP3270663A1; CN108650751A; AT16411U1; DE102006001868A1; CN101861045A; DE102010032511A1; DE102006001868B4; DE102010032511B4; US7884654B2; US9374855B2; EP3307023A1; AT16737U1; EP2550846A4; WO2011124723A1; WO2011124721A1; WO2015143465A1; WO2016094920A1; WO2015061220A3; US7768216B2; US7982414B2; US9220150B2; DE102014205665B4; US9408258B2; EP3937594A1; US11477865B2; WO2008007268A3; WO2018153746A1; WO2014176613A3; WO2015061187A3; EP3307023B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1555859 A1 20050720; EP 1555859 B1 20140122; DE 102004002026 A1 20050804; EP 2288238 A2 20110223; EP 2288238 A3 20121031; EP 2288238 B1 20141015; HK 1148897 A1 20110916

DOCDB simple family (application)

EP 04027898 A 20041124; DE 102004002026 A 20040114; EP 10182692 A 20041124; HK 11102989 A 20110324