

Title (en)

Central supply system and method for simultaneously dimming a number of lights

Title (de)

Zentralversorgungssystem und Verfahren zum gleichzeitigen Dimmen einer Vielzahl von Leuchten

Title (fr)

Système d'alimentation centrale et procédé d'atténuation simultanée d'une multitude de lampes

Publication

EP 2477462 B1 20200826 (DE)

Application

EP 12000157 A 20120112

Priority

DE 102011008572 A 20110114

Abstract (en)

[origin: EP2477462A2] The system (1) has a voltage supply device (4) i.e. central battery system, connected with lights by a light supply line (3). The supply device supplies light groups (7) as a part of lights (2), and is switchable between a network voltage supply (5) and an emergency voltage supply (6). The supply device includes a dimming control e.g. phase controlled modulator, for the light groups. The dimming control is associated to the network voltage supply and the emergency voltage supply. The lights include a LED as an illuminant. The light supply line is designed for data communication. An independent claim is also included for a method for simultaneously dimming lights.

IPC 8 full level

H05B 47/105 (2020.01); **H05B 47/17** (2020.01); **H05B 47/185** (2020.01)

CPC (source: EP)

H05B 47/105 (2020.01); **H05B 47/17** (2020.01); **H05B 47/185** (2020.01)

Citation (examination)

- EP 0534793 A1 19930331 - MENVIER ELECTRONIC ENG LTD [GB]
- US 2010327766 A1 20101230 - RECKER MICHAEL V [US], et al
- DE 102007018884 A1 20071031 - GFS GES FUER STROMVERSORGUNGST [DE]
- EP 0903966 A1 19990324 - CEAG SICHERHEITSTECHNIK GMBH [DE]

Citation (opposition)

Opponent : Ecker Sicherheitstechnik GmbH (DE)

- WO 9950971 A1 19991007 - CEAG SICHERHEITSTECHNIK GMBH [DE]
- KR 20090001199 U 20090204
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- WO 0161823 A1 20010823 - ZUMTOBEL STAFF GMBH [AT], et al
- US 2008067871 A1 20080320 - BLACK RICHARD L [US], et al
- DE 19603680 C1 19970828 - RINGWALD EUGEN [DE]
- JUNKER GERALD: "GUTACHTERLICHE STELLUNGNAHME - Zu einem zentralversorgungssystem zum gleichzeitigen dimmen einer vielzahl von rettungszeichenleuchten", JUNKER ENGINEERING, pages 1 - 22, XP055810981
- ANONYMOUS: "PFET Buck Controller for High Power LED Drivers", NATIONAL SEMICONDUCTOR, DATENBLATT LM3409-LM3409HV, LM3409Q-LM3409QHV, 12 April 2010 (2010-04-12), pages 1 - 30, XP055810961

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CN107426340A; AU2013221964B2; EP2704332A3; US9775214B2

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

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DOCDB simple family (application)

EP 12000157 A 20120112; DE 102011008572 A 20110114; RU 2012100631 A 20120113