

Title (en)

LED lighting unit and method for controlling an electrical installation including such a lighting unit

Title (de)

LED-Beleuchtung und Kontrollverfahren einer elektrischen Anlage, die eine solche Beleuchtung umfasst

Title (fr)

Eclairage LED et procédé de contrôle d'une installation électrique comprenant un tel éclairage

Publication

**EP 2648488 A1 20131009 (FR)**

Application

**EP 13162405 A 20130404**

Priority

FR 1253220 A 20120406

Abstract (en)

The LED light (100) has an LED (101), and a communication interface (120) with a power over Ethernet (PoE) cable (114). An electronic processing unit (110) collects data relating to the operation of the LED, where the light is supplied with power via the PoE cable, and includes an autonomous power source (115). The communication interface collects data from a domestic sensor, where the electronic processing unit collects and archives the data collected from the domestic sensor, and detects faulty operations from the collected data. Independent claims are also included for the following: (1) a domestic electrical installation (2) a method for controlling the domestic electrical installation.

Abstract (fr)

L'invention concerne un éclairage LED (100), comprenant : - au moins une diode électroluminescente (101) ; - au moins une interface de communication avec un câble Ethernet (114) ; - une unité de traitement électronique (110) adaptée à recueillir des données relatives au fonctionnement de la diode électroluminescente, l'éclairage étant alimenté en courant par le câble Ethernet. L'éclairage LED selon l'invention ne nécessite aucun convertisseur. En outre, l'éclairage LED selon l'invention peut échanger des données via le câble Ethernet.

IPC 8 full level

**H05B 37/02** (2006.01); **H02J 9/00** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)

**H05B 47/175** (2020.01 - EP US); **H05B 47/18** (2020.01 - EP US); **H05B 47/19** (2020.01 - EP US); **H05B 45/30** (2020.01 - EP US)

Citation (search report)

- [IAY] US 8011794 B1 20110906 - SIVERTSEN CLAS GERHARD [US]
- [Y] WO 2008134433 A1 20081106 - SURETEC ENERGY INNOVATIONS [US], et al
- [Y] US 6502044 B1 20021231 - LANE JOHN EVAN [US], et al
- [A] WO 2012028981 A1 20120308 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [A] US 2010026215 A1 20100204 - WARTON THOMAS [US]
- [A] WO 2004023849 A1 20040318 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [A] WO 2009100762 A1 20090820 - OSRAM GMBH [DE], et al
- [A] DE 102006006140 A1 20070823 - ABB PATENT GMBH [DE]

Cited by

ES2820174A1; US2023077780A1; WO2016058808A1

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 2648488 A1 20131009; EP 2648488 B1 20170111**; FR 2989248 A1 20131011; FR 2989248 B1 20170908

DOCDB simple family (application)

**EP 13162405 A 20130404**; FR 1253220 A 20120406