Title (en)

BALLAST FOR LUMINOUS MEANS HAVING A MICROPROCESSOR AND A PROGRAMMING INTERFACE

Title (de)

VORSCHALTGERÄT FÜR LEUCHTMITTEL MIT MIKROPROZESSOR UND PROGRAMMIERUNGSSCHNITTSTELLE

Title (fr)

APPAREIL BALLAST POUR MOYEN D'ÉCLAIRAGE AVEC MICROPROCESSEUR ET INTERFACE DE PROGRAMMATION

Publication

EP 3378286 B1 20220309 (DE)

Application

EP 16797910 A 20161117

Priority

- DE 202015106224 U 20151117
- EP 2016077994 W 20161117

Abstract (en)

[origin: WO2017085182A1] Ballast for luminous means, in particular LEDs, having a microprocessor with at least one memory unit and a printed circuit board, having at least one programming interface which is preferably accessible from outside the ballast and at least one signalling interface which is likewise preferably accessible from outside the ballast, wherein the microprocessor can be configured via the programming interface, and wherein at least one item of application software which can be executed by the microprocessor can be transmitted to the at least one memory unit via the programming interface, wherein the application software influences at least one of the following functionalities of the ballast: interaction with sensors, evaluation of signals transmitted to the signalling interface, control of the luminous means, activation/deactivation of interfaces of the ballast, activation/deactivation of communication protocols, acquisition, setting and/or evaluation of operating data and/or operating parameters of the ballast, setting-up of a network and linking of networks.

IPC 8 full level

H05B 47/165 (2020.01)

CPC (source: AT EP US)

H05B 47/10 (2020.01 - AT); **H05B 47/165** (2020.01 - EP US); **H05B 47/175** (2020.01 - US); H05B 47/18 (2020.01 - AT); H05B 47/19 (2020.01 - AT)

Citation (examination)

- US 2012086345 A1 20120412 - TRAN BAO Q [US]
- US 2015257229 A1 20150910 - WASSEL JAMES J [US], et al
- W CAELLI ET AL: "Cryptographic Application Programming Interfaces (APIs)", 1 January 1993 (1993-01-01), pages 640 - 645, XP055600804, Retrieved from the Internet <URL:https://s3.amazonaws.com/academia.edu.documents/46985566/0167-4048_2893_2990079-k20160703-6257-1edpuxa.pdf?response-content-disposition=inline;%20filename=Cryptographic_Application_Programming_In.pdf&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWOWYYGZ2Y53UL3A/20190701/us-east-1/s3/aws4_re> [retrieved on 20190701]

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

DE 202015106224 U 20151117; AT 3892015 U 20151222; CN 201680060417 A 20161117; EP 16797910 A 20161117; EP 2016077994 W 20161117; EP 21201386 A 20161117; EP 24153076 A 20161117; US 201615768907 A 20161117