

Title (en)

EVALUATION OF THE SUPPLY VOLTAGE OF OPERATING DEVICES FOR LUMINOUS ELEMENTS

Title (de)

AUSWERTUNG DER VERSORGUNGSSPANNUNG VON BETRIEBSGERÄTEN FÜR LEUCHTMITTEL

Title (fr)

ANALYSE DE LA TENSION D'ALIMENTATION DES BALLASTS DE LUMINAIRES

Publication

**EP 2656696 A1 20131030 (DE)**

Application

**EP 11815664 A 20111221**

Priority

- DE 102010063992 A 20101222
- AT 2011000505 W 20111221

Abstract (en)

[origin: WO2012083325A1] The invention relates to a ballast operating device for luminous elements, comprising separate measuring circuits (M1, M2) in order to break down a voltage (Vmains) rectified by a rectifying means into a positive voltage component and a negative voltage component, wherein the voltage (Vmains) can be, for example, an alternating voltage, a pulsing direct voltage, or a constant direct voltage, an evaluating circuit, which evaluates the voltage components (Vac/dc) of the two measuring circuits (M1, M2) in order to identify the type of the applied voltage, and an analyzing circuit, which analyzes the voltage components (Vac/dc) by means of an AD converter and calculates additional characteristics of the voltage (Vmains), such as the presence of an overvoltage, in particular due to reverse polarity, an amplitude value, an average of the voltage (Vmains), and/or a piece of information modulated upon the voltage.

IPC 8 full level

**H05B 37/02** (2006.01)

CPC (source: EP)

**H05B 47/185** (2020.01)

Citation (search report)

See references of WO 2012083325A1

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 2012083325 A1 20120628**; DE 102010063992 A1 20120628; EP 2656696 A1 20131030; EP 2656696 B1 20180808

DOCDB simple family (application)

**AT 2011000505 W 20111221**; DE 102010063992 A 20101222; EP 11815664 A 20111221