

## Title (en)

LIGHTING SYSTEM WITH AN INTERFACE HAVING A POWER SUPPLY UNIT AND AT LEAST ONE LIGHT SOURCE MODULE

## Title (de)

BELEUCHTUNGSANLAGE MIT EINER SCHNITTSTELLE AUFWEISEND EIN NETZGERÄT UND MINDESTENS EIN LICHTQUELLENMODUL

## Title (fr)

SYSTÈME D'ÉCLAIRAGE ÉQUIPÉ D'UNE INTERFACE COMPRENANT UN BLOC D'ALIMENTATION ET AU MOINS UN MODULE DE SOURCES LUMINEUSES

## Publication

**EP 2865239 A1 20150429 (DE)**

## Application

**EP 13734701 A 20130625**

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## Abstract (en)

[origin: WO2014001342A1] The invention relates to a power supply unit (PSU) having an output for outputting an operating current on the basis of an internal measurement signal, a communication line, a current measuring device which is connected to the communication line, wherein the current measuring device is set up to generate a current on the communication line, which current is proportional to the conductance of a current setting resistor, the current measuring device has a current mirror which is set up to mirror the generated current on the communication line, the current measuring device is set up to convert the mirrored current into an internal measurement signal having a reference potential different from the communication line, at least one light source module can be connected to the output, wherein the at least one light source module has the current setting resistor which can be connected to the communication line. The invention also relates to a light source module for connection to a power supply unit, wherein the light source module has an input and a communication line and a current setting resistor for setting the current applied to the light source module. The invention also relates to a lighting system having a power supply unit and at least one light source module. The invention also relates to a method for setting a current value for at least one light source module connected to a power supply unit, having the following steps of: -applying a measurement voltage to a communication line by means of a current mirror, mirroring the current flowing in the communication line, converting the mirrored current into an internal measurement signal having a reference potential different from the communication line, assessing the internal measurement signal, setting an operating current at the output of the power supply unit using the assessed measurement signal.

## IPC 8 full level

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## Citation (search report)

See references of WO 2014001360A1

## Citation (examination)

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## Designated contracting state (EPC)

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