

Title (en)

Monitoring unit for a high-power LED, and signaling device

Title (de)

Überwachungseinheit für eine Hochleistungs-LED und Signalisierungsvorrichtung

Title (fr)

Unité de surveillance pour DEL haute puissance et dispositif de signalisation

Publication

**EP 2237644 B1 20110608 (EN)**

Application

**EP 09157074 A 20090401**

Priority

EP 09157074 A 20090401

Abstract (en)

[origin: EP2237644A1] The invention relates to a monitoring unit (2) for monitoring a light-emitting diode, LED, in particular a high-power LED (LED) driven by a preferably constant electric current (I), comprising: a coupler, in particular an optical coupler (3), for coupling the monitoring unit (2) to a messaging line (5), an input circuit (3a) of the coupler (3) being arranged in parallel to the LED (LED), and a bypass unit (4) adapted to bypass the input circuit (3a) of the coupler (3) in case of a disconnection of the LED (LED) for switching off a switch, in particular an optical switch (7), in the output circuit (3b) of the coupler (3).

IPC 8 full level

**H05B 44/00** (2022.01); **H05B 37/03** (2006.01); **H05B 45/50** (2022.01)

CPC (source: EP US)

**H05B 45/50** (2020.01 - EP US); **H05B 47/235** (2020.01 - EP US)

Cited by

JP2019079772A

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

**EP 2237644 A1 20101006; EP 2237644 B1 20110608; AT E512566 T1 20110615**

DOCDB simple family (application)

**EP 09157074 A 20090401; AT 09157074 T 20090401**