

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 A1 20101006 (EN)

Application

EP 09157074 A 20090401

Priority

EP 09157074 A 20090401

Abstract (en)

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)

Citation (applicant)

- EP 1777533 A1 20070425 - ALCATEL TRANSP SOLUTION D GMBH [DE]
- EP 1916879 A1 20080430 - ALCATEL LUCENT [FR]
- US 2005140345 A1 20050630 - IWABUKI HIROYASU [JP], et al
- DE 102007024784 A1 20081127 - AUTOMOTIVE LIGHTING REUTLINGEN [DE]

Citation (search report)

- [I] US 2005140345 A1 20050630 - IWABUKI HIROYASU [JP], et al
- [A] DE 102007024784 A1 20081127 - AUTOMOTIVE LIGHTING REUTLINGEN [DE]

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

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