

Title (en)

CIRCUIT FOR ASSISTING OUTAGE DETECTION OF LED LAMP AND CORRESPONDING LED LAMP SYSTEM

Title (de)

SCHALTUNG ZUR UNTERSTÜTZUNG DER STROMABSCHALTUNGSDETEKTION EINER LED-LAMPE UND ENTSPRECHENDES LED-LAMPENSYSTEM

Title (fr)

CIRCUIT DESTINÉ À FACILITER LA DÉTECTION D'INTERRUPTION CORRESPONDANT D'UNE LAMPE À DEL ET SYSTÈME DE LAMPE À DEL

Publication

**EP 3419387 A1 20181226 (EN)**

Application

**EP 17177293 A 20170622**

Priority

EP 17177293 A 20170622

Abstract (en)

The present invention provides a circuit (300, 400) for assisting outage detection of at least one LED lamp (101), comprising: a load module (102), powered by a power supply, and configured to increase current for outage detection of the at least one LED lamp (101) to avoid undesired warnings when electrically coupled to the at least one LED lamp (101); a failure detection module (301), electrically coupled to the at least one LED lamp (101), configured to detect failure of the at least one LED lamp (101), and: in response to detecting the at least one LED lamp (101) as a whole not failing, electrically couple the load module (102) to the at least one LED lamp (101); and in response to detecting the at least one LED lamp (101) as a whole failing, electrically decouple the load module (102) from the at least one LED lamp (101). The present invention further provides a corresponding LED lamp system (3000, 4000).

IPC 8 full level

**H05B 44/00** (2022.01); **H05B 45/50** (2022.01)

CPC (source: EP US)

**H05B 45/50** (2020.01 - EP US)

Citation (search report)

- [XII] US 2011062869 A1 20110317 - HSU CHENG-WEI [TW], et al
- [XI] EP 2884821 A2 20150617 - TRANSPORT TEKNIK AS [DK]

Cited by

US2022191991A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3419387 A1 20181226**

DOCDB simple family (application)

**EP 17177293 A 20170622**