

Title (en)

LED LIGHTING DEVICE HAVING AN IMPROVED LED HOLDER

Title (de)

LED-BELEUCHTUNGSVORRICHTUNG MIT VERBESSERTEM LED-HALTER

Title (fr)

DISPOSITIF D'ÉCLAIRAGE À DEL AYANT UN SUPPORT DE DEL AMÉLIORÉ

Publication

**EP 3296614 A1 20180321 (EN)**

Application

**EP 17191071 A 20170914**

Priority

- DE 102016117450 A 20160916
- CN 201610977226 A 20161107

Abstract (en)

A lighting device comprises a holder for LED filaments (12). The holder has a first electrically conductive holding structure (14) and a second electrically conductive holding structure (15). Each holding structure comprises an essentially longitudinal connection section (9, 9) and an attachment section (17, 20) essentially perpendicular to the connection section.

IPC 8 full level

**F21K 9/232** (2016.01); **F21K 9/237** (2016.01); **F21K 9/238** (2016.01); **F21Y 115/10** (2016.01)

CPC (source: EP)

**F21K 9/232** (2016.07); **F21K 9/237** (2016.07); **F21K 9/238** (2016.07); **F21Y 2115/10** (2016.07)

Citation (search report)

- [X] CN 204611431 U 20150902 - SICHUAN HUACHUAN IND CO LTD
- [X] CN 104676322 A 20150603 - ZHEJIANG KAIYAO LIGHTING CO LTD
- [X] EP 2236907 A2 20101006 - LIQUIDLED LIGHTING CORP [KY]
- [X] CN 104763900 A 20150708 - SHENZHEN HONGYUN ZHIYUAN ENERGY SAVING TECHNOLOGY CO LTD
- [X] US 2014268779 A1 20140918 - SORENSEN ROBERT [US], et al
- [X] CN 205424484 U 20160803 - ZHEJIANG LEDISON OPTOELECTRONICS CO LTD
- [X] US 2015009689 A1 20150108 - CHEN PENG-YU [TW], et al
- [A] CN 204852983 U 20151209 - SHANDONG PROSPEROUS STAR OPTOELECTRONICS CO LTD
- [A] CN 204005447 U 20141210 - ZHEJIANG LEALSUN ELECTRONIC TECHNOLOGY CO LTD
- [A] CN 104791627 A 20150722 - GUIZHOU GUANGPUSEN PHOTOELECTRIC CO LTD
- [A] CN 104534302 A 20150422 - HANGZHOU YONGCHANG GLASS MACHINERY CO LTD

Cited by

WO2022148648A1

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 3296614 A1 20180321; EP 3296614 B1 20190522**

DOCDB simple family (application)

**EP 17191071 A 20170914**