

Title (en)  
LED LIGHTING DEVICE

Title (de)  
LED-BELEUCHTUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF D'ÉCLAIRAGE À DEL

Publication  
**EP 3492802 B1 20230301 (EN)**

Application  
**EP 17845197 A 20170811**

Priority  

- CN 201610783397 A 20160830
- CN 201610783396 A 20160830
- CN 201621013745 U 20160830
- CN 201621013684 U 20160830
- CN 2017097208 W 20170811

Abstract (en)  
[origin: EP3492802A1] The present invention discloses a LED lighting device including a housing, a light source component, an optical lens located above the light source component and configured to distribute light for the light source component, a reflector in contact with the optical lens, and a surface ring assembled on the reflector; the housing, the light source component, the optical lens, the reflector, and the surface ring are sequentially arranged; the surface ring is fixed on the housing to delimit a receiving chamber, the light source component, the optical lens, the reflector are all located in the receiving chamber; the LED lighting device has a light exit; the light source component includes a light source base plate and LED light source particles located on the light source base plate; light of the LED light source particles sequentially passes through the optical lens and the reflector, and then emits through the light exit. The LED lighting device provided by the present invention does not need a diffusion plate to homogenize light, increases the luminous efficiency and at the same time prevents from glare, so as to achieve a good lighting effect.

IPC 8 full level  
**F21S 8/02** (2006.01); **F21V 13/04** (2006.01)

CPC (source: EP)  
**F21S 8/026** (2013.01); **F21V 13/04** (2013.01); **F21V 5/046** (2013.01); **F21V 7/0016** (2013.01); **F21Y 2115/10** (2016.07)

Citation (examination)  

- CN 105202394 A 20151230 - OPPL LIGHTING CO LTD
- CN 205037138 U 20160217 - OPPL LIGHTING CO LTD

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

DOCDB simple family (publication)  
**EP 3492802 A1 20190605; EP 3492802 A4 20190731; EP 3492802 B1 20230301; WO 2018040895 A1 20180308**

DOCDB simple family (application)  
**EP 17845197 A 20170811; CN 2017097208 W 20170811**