

Title (en)
LED LAMP AND LED LIGHT SOURCE MODULE THEREOF

Title (de)
LED-LAMPE UND LED-LICHTQUELLENMODUL DAFÜR

Title (fr)
LAMPE À DEL ET SON MODULE DE SOURCE DE LUMIÈRE À DEL

Publication
EP 3199861 B1 20191023 (EN)

Application
EP 15844987 A 20150213

Priority
• CN 201410487526 A 20140922
• CN 2015072968 W 20150213

Abstract (en)
[origin: EP3199861A1] An LED light source module comprises a light source plate (10) that has a first surface and a second surface opposite to each other, wherein several LED light sources (11) are attached on the first surface, and the second surface faces and is assembled on a base plate used as the installation foundation; a power driving module (40), configured to be electrically connected to the light source plate (10); and an integrated lens assembly (20), fixed on the light source plate (10), covered outside the first surface of the light source plate (10) and having several lens units (24) respectively capped outside the corresponding LED light sources (11), wherein the integrated lens assembly (20) is configured to have an accommodating space (25) and the power driving module (40) is accommodated in the accommodating space (25). An LED lamp comprises a base plate used as the installation foundation and the LED light source module. The LED lamp and the LED light source module thereof have simple structures, are easy to assemble and are safe and reliable, have a simple and convenient production process, and have high production efficiency.

IPC 8 full level
F21V 23/00 (2015.01); **F21V 5/00** (2018.01); **F21Y 105/10** (2016.01); **F21Y 105/18** (2016.01); **F21Y 115/10** (2016.01)

CPC (source: CN EP US)
F21S 2/005 (2013.01 - CN); **F21V 5/007** (2013.01 - EP US); **F21V 5/04** (2013.01 - CN); **F21V 17/105** (2013.01 - EP); **F21V 17/16** (2013.01 - EP); **F21V 17/164** (2013.01 - CN); **F21V 19/001** (2013.01 - CN); **F21V 21/096** (2013.01 - CN); **F21V 23/00** (2013.01 - CN); **F21V 23/003** (2013.01 - CN EP US); **F21V 23/006** (2013.01 - EP); **F21V 15/01** (2013.01 - EP); **F21Y 2105/18** (2016.07 - EP); **F21Y 2115/10** (2016.07 - EP)

Cited by
CN110077343A; EP3839333A1

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 3199861 A1 20170802; EP 3199861 A4 20171122; EP 3199861 B1 20191023; CN 105276415 A 20160127; CN 105508906 A 20160420; CN 106931320 A 20170707; DE 202015009561 U1 20180419; ES 2767311 T3 20200617; WO 2016045304 A1 20160331

DOCDB simple family (application)
EP 15844987 A 20150213; CN 201410487526 A 20140922; CN 2015072968 W 20150213; CN 201510745316 A 20140922; CN 201710026605 A 20140922; DE 202015009561 U 20150213; ES 15844987 T 20150213