

Title (en)  
LED LAMP

Title (de)  
LED LEUCHTE

Title (fr)  
LAMPE À DEL

Publication  
**EP 3301354 B1 20200219 (EN)**

Application  
**EP 18150711 A 20180109**

Priority  
• US 201762479327 P 20170331  
• TW 106136278 A 20171023

Abstract (en)  
[origin: EP3301354A2] An LED lamp has an LED device (10) and a lamp base (50). The LED device (10) has LED chips (11), conductive substrates (12), a packaging layer (13) and a protective cover (16). The conductive substrates (12) are arranged at intervals. Each LED chip (11) is supported by and electrically connected between two adjacent conductive substrates (12). The packaging layer (13) covers the LED chips (11) and a part of each conductive substrate (12) . The protective cover (16) covers the LED chips (11) and the conductive substrates (12) to form an LED device in a specific shape. As the LED chips (11) are close to the protective cover (16), thermal energy generated by the LED chips (11) is dissipated into the air to improve heat dissipation. The LED device achieves a continuous uniform lighting effect by a proper arrangement of the LED chips (11).

IPC 8 full level  
**F21V 3/02** (2006.01); **F21K 9/232** (2016.01); **F21Y 103/10** (2016.01); **F21Y 115/10** (2016.01)

CPC (source: EP)  
**F21K 9/232** (2016.07); **F21V 3/02** (2013.01); **F21Y 2103/10** (2016.07); **F21Y 2115/10** (2016.07)

Cited by  
WO2021099201A1; EP3660383A2; US11131449B2

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 3301354 A2 20180404; EP 3301354 A3 20180704; EP 3301354 B1 20200219**

DOCDB simple family (application)  
**EP 18150711 A 20180109**