

Title (en)  
LED BULB LIGHT WITH HIGH LUMINOUS EFFICACY

Title (de)  
LED-LAMPE MIT HOHER LICHTAUSBEUTE

Title (fr)  
AMPOULE À DEL À HAUTE EFFICACITÉ LUMINEUSE

Publication  
**EP 3006814 A4 20170104 (EN)**

Application  
**EP 14891350 A 20140504**

Priority  
CN 2014076700 W 20140504

Abstract (en)  
[origin: EP3006814A1] Disclosed is an LED bulb light with high luminous efficacy, comprising a plurality of LED filaments (1), a stem (3), an LED driver (7), a standard interface (9) and a lampshade (10). The plurality of LED filaments and the stem are sealed by the lampshade, and the lampshade is filled with a heat dissipation material (11). Both ends of each LED filament are spot-welded to two stem electrodes (4) on the stem via two filament electrodes (2) of the LED filament, and the plurality of LED filaments are distributed around the stem inside the bulb light. The lower part of the stem is connected to an exhaust pipe (5). A lower end electrode of the stem is connected to the LED driver via an electrical connection wire (6), the LED driver is connected to the standard interface via a lead, and the standard interface is in communication with an external AC or DC power supply. Using a material with high heat dissipation performance and a stem material with high thermal conductivity, the LED filament with high luminous efficacy can have high luminous efficacy in operation at a lower temperature.

IPC 8 full level  
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CPC (source: EP US)  
**F21K 9/232** (2016.07 - EP US); **F21S 2/00** (2013.01 - EP US); **F21K 9/60** (2016.07 - EP US); **F21V 3/061** (2018.01 - EP US); **F21V 23/009** (2013.01 - EP); **F21V 29/503** (2015.01 - EP); **F21V 29/56** (2015.01 - EP); **F21Y 2103/10** (2016.07 - EP US); **F21Y 2107/00** (2016.07 - EP US); **F21Y 2109/00** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

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Designated contracting state (EPC)  
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