

Title (en)  
LED lamp having higher efficiency

Title (de)  
LED-Lampe mit höherer Effizienz

Title (fr)  
Lampe à Del à efficacité améliorée

Publication  
**EP 2341275 A1 20110706 (EN)**

Application  
**EP 09016067 A 20091229**

Priority  
EP 09016067 A 20091229

Abstract (en)  
An LED lamp includes a heatsink housing (2) and an alternating current LED module (1). The alternating current LED module includes a heat conducting portion (10) combined with the heatsink housing and two electrical connections (11) electrically connected with an external power supply. Thus, the heatsink housing forms a porous structure to provide a greater heatsink effect and to quickly carry away the heat produced by the alternating current LED module to enhance the heat dissipation efficiency of the alternating current LED module. In addition, the heatsink housing is directly formed to have the profile of a common lamp housing and is provided with a metallic screw base (21), an insulating gasket (22) and a power contact plate (23) so that the heatsink housing can be mounted on a traditional receptacle to replace the conventional electric bulb.

IPC 8 full level  
**F21K 99/00** (2010.01)

CPC (source: EP US)  
**F21K 9/232** (2016.07 - EP US); **F21V 3/00** (2013.01 - EP US); **F21V 29/507** (2015.01 - EP); **F21V 29/70** (2015.01 - EP); **F21V 29/773** (2015.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (applicant)  
• EP 2105659 A1 20090930 - CHYN WEN-LONG [TW]  
• US 2007230188 A1 20071004 - LIN YI MIN [TW]  
• DE 202007009655 U1 20070906 - AEON LIGHTING TECHNOLOGY INC [TW]

Citation (search report)  
• [X] EP 2105659 A1 20090930 - CHYN WEN-LONG [TW]  
• [X] US 2007230188 A1 20071004 - LIN YI MIN [TW]  
• [I] DE 202007009655 U1 20070906 - AEON LIGHTING TECHNOLOGY INC [TW]  
• [I] US 2006098440 A1 20060511 - ALLEN DAVID [US]

Citation (examination)  
WO 2008108574 A1 20080912 - GWANG SUNG LIGHTING INDUSTRY C [KR], et al

Cited by  
EP2584246A1; CN106969297A

Designated contracting state (EPC)  
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 SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2341275 A1 20110706**

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