

Title (en)  
LED LAMP

Title (de)  
LED-LAMPE

Title (fr)  
LAMPE À DEL

Publication  
**EP 2937624 A1 20151028 (EN)**

Application  
**EP 13850606 A 20131008**

Priority  
• JP 2012242002 A 20121101  
• JP 2013077327 W 20131008

Abstract (en)  
The purpose of the present invention is to provide an LED lamp equipped with a novel cooling and heat radiation means. The lamp comprises: a plurality of LED elements (18); a light source support (14) extending along the axial line of a lamp while supporting the LED elements on the lateral surface; and a hermetically sealed glass container (6) surrounding the light source support and sealing in a low molecular weight gas as a cooling gas. The light source support surrounds a cooling gas flow channel along the axial line of the lamp and, in addition to a gas inlet and outlet located on both ends of the light source support, has gas inlets and outlets (26) between both ends.

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**F21V 29/02**

IPC 8 full level  
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Cited by  
CN105674226A; CN106989296A; CN106641745A; CN108119787A; US11022258B2; US9958116B2; WO2019129162A1; WO2018096027A1

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