

Title (en)  
LIGHTING APPARATUS

Title (de)  
BELEUCHTUNGSVORRICHTUNG

Title (fr)  
APPAREIL D'ÉCLAIRAGE

Publication  
**EP 3179153 A1 20170614 (EN)**

Application  
**EP 15199597 A 20151211**

Priority  
EP 15199597 A 20151211

Abstract (en)  
A lighting apparatus includes a base (220), a light-emitting module (240) fixed on the base, a shell (260) connected to the base to form a hollow space with a first volume, and an inert liquid (280) confined within the shell and the base and having a second volume. The first and second volumes are increased or decreased at a similar tendency or volume change rate in response to a temperature difference.

IPC 8 full level  
**F21K 99/00** (2016.01); **F21V 3/02** (2006.01); **F21V 3/04** (2006.01); **F21V 29/56** (2015.01)

CPC (source: EP)  
**F21K 9/232** (2016.07); **F21V 3/02** (2013.01); **F21V 3/06** (2018.01); **F21V 29/56** (2015.01); **F21Y 2101/00** (2013.01); **F21Y 2107/90** (2016.07)

Citation (search report)

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- [XYI] JP 2005026303 A 20050127 - SHINETSU HANDOTAI KK
- [X] JP 2012104747 A 20120531 - STANLEY ELECTRIC CO LTD
- [XI] EP 2886933 A1 20150624 - GUIZHOU GZGPS CO LTD [CN]
- [XI] US 2009052187 A1 20090226 - LI WEIPING [US]
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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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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