

Title (en)  
Luminaire

Title (de)  
Leuchte

Title (fr)  
Luminaire

Publication  
**EP 2236912 A3 20120425 (DE)**

Application  
**EP 10002747 A 20100316**

Priority  
DE 202009004252 U 20090331

Abstract (en)  
[origin: EP2236912A2] The light (1) has an LED luminous module (5) thermally coupled with a base (2) over a heat spreader (6) i.e. graphite foil, provided between the module and the base. The base comprises a material with highly thermal conductivity, and is formed as a heat sink. Cooling fins are placed at outer sides of the base, and a reflector (11) is thermally coupled with the base. A housing partially surrounds an outer side of the reflector, and the base is thermally coupled with an installation ring (12).

IPC 8 full level  
**F21S 8/02** (2006.01); **F21K 99/00** (2010.01); **F21V 29/00** (2006.01); **F21V 29/505** (2015.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)  
**F21S 8/02** (2013.01 - EP); **F21V 29/505** (2015.01 - EP); **F21V 29/763** (2015.01 - EP); **F21V 29/85** (2015.01 - EP); **F21V 29/89** (2015.01 - EP US); **F21V 21/04** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

- [X] WO 2005078338 A1 20050825 - KELLY WILLIAM M [IE]
- [X] US 2006193139 A1 20060831 - SUN TSUNG-TING [TW], et al
- [X] US 2005111234 A1 20050526 - MARTIN PAUL S [US], et al
- [X] US 2003156416 A1 20030821 - STOPA JAMES L [US], et al

Cited by  
DE102012222814A1; US9989194B2

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 ME RS

DOCDB simple family (publication)  
**DE 202009004252 U1 20100527**; EP 2236912 A2 20101006; EP 2236912 A3 20120425

DOCDB simple family (application)  
**DE 202009004252 U 20090331**; EP 10002747 A 20100316