

Title (en)  
COOLING BODY AND LIGHT MODULE ARRANGEMENT FOR A LIGHT

Title (de)  
KÜHLKÖRPER UND LEUCHTMODULANORDNUNG FÜR EINE LEUCHTE

Title (fr)  
CORPS DE REFROIDISSEMENT ET AGENCEMENT DE MODULE DE LAMPE POUR LAMPE

Publication  
**EP 2622258 B1 20151118 (DE)**

Application  
**EP 11760493 A 20110926**

Priority  
• DE 102010041470 A 20100927  
• EP 2011066638 W 20110926

Abstract (en)  
[origin: WO2012041797A1] The invention relates to a cooling body for a light, said body comprising a first segment (2) which is flat at least on the first edges, and a second segment (4) which is flat at least in the first edges. The second segment (4) is directly connected to the first segment (2) and in such a manner that said second segment (4), when the first segment (2) is oriented horizontally, extends vertically upwards at least essentially from a central area (6) of the first segment (2), and also measured from a surface area (8) of the first segment (2), oriented upwards, about a vertical extension (V). According to the invention, the cooling body is designed in such a manner that it, when seen in the vertical through the first segment (2) and the second segment (4), it does not have any other parts other than the second segment (4) which is located above a level (TV) which is fixed by half of the vertical extension (V), preferably by a quarter of the vertical extension (V). Said embodiment enables relatively large cooling body surfaces which allow, in a first line, the heat to be distributed by radiation, to be produced. Due to the fact that there are no other parts of the cooling body in the area which is lateral about the second segment (4), heat can be radiated (Ä) from the surface areas of the second segments (4) in a practically unhindered manner. In particular, said lateral heat distribution is not hindered by cooling ribs or other additional parts. Also, the heat radiation from the first segment (2) upwards can also be carried out unhindered. The invention also relates to a light module arrangement, at least one LED (2) being arranged on a cooling body of said type and to a correspondingly equipped lamp.

IPC 8 full level  
**F21S 4/00** (2006.01); **F21V 15/01** (2006.01); **F21V 29/00** (2015.01)

CPC (source: EP US)  
**F21S 4/28** (2016.01 - EP US); **F21V 15/013** (2013.01 - EP US); **F21V 29/74** (2015.01 - EP US); **F21V 29/507** (2015.01 - EP);  
**F21Y 2103/10** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

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

DOCDB simple family (publication)  
**DE 102010041470 A1 20120329**; CN 103119352 A 20130522; CN 103119352 B 20170301; EP 2622258 A1 20130807;  
EP 2622258 B1 20151118; WO 2012041797 A1 20120405

DOCDB simple family (application)  
**DE 102010041470 A 20100927**; CN 201180046009 A 20110926; EP 11760493 A 20110926; EP 2011066638 W 20110926