

Title (en)  
LIGHTING DEVICE AND METHOD FOR ASSEMBLING A LIGHTING DEVICE

Title (de)  
LEUCHTVORRICHTUNG UND VERFAHREN ZUM MONTIEREN EINER LEUCHTVORRICHTUNG

Title (fr)  
DISPOSITIF D'ÉCLAIRAGE ET PROCÉDÉ POUR MONTER UN DISPOSITIF D'ÉCLAIRAGE

Publication  
**EP 2480826 A1 20120801 (DE)**

Application  
**EP 10779777 A 20101115**

Priority  
• DE 102009047520 A 20091204  
• EP 2010067457 W 20101115

Abstract (en)  
[origin: WO2011067095A1] The lighting device (21) has a cooling body (2) with at least one receiving area (5), each area holding one printed circuit board (3), and a printed circuit board (3) introduced therein, said printed circuit board (3) having at least one light source (12) on a front face (10) and being at least in thermal contact with the cooling body (2) on a rear face (16). Each printed circuit board (3) has at least one rotational locking means that is engaged with a counter rotational locking means of the receiving area (5) for said printed circuit board. The method is used for assembling a lighting device (21) and has at least the following steps: inserting the at least one printed circuit board (3) into the corresponding receiving area (5) by an essentially linear feeding movement; and rotating the printed circuit board (3) against the cooling body (2).

IPC 8 full level  
**F21V 19/00** (2006.01); **F21V 29/00** (2006.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)  
**F21K 9/00** (2013.01 - EP US); **F21V 17/10** (2013.01 - US); **F21V 19/0055** (2013.01 - EP US); **F21V 29/508** (2015.01 - US);  
**F21V 29/773** (2015.01 - EP US); **F21Y 2115/10** (2016.07 - EP US); **Y10T 29/49826** (2015.01 - EP US); **Y10T 29/49963** (2015.01 - EP US)

Citation (search report)  
See references of WO 2011067095A1

Citation (examination)  
• US 2006098440 A1 20060511 - ALLEN DAVID [US]  
• EP 1993334 A2 20081119 - NEC LIGHTING LTD [JP]

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 102009047520 A1 20110609**; CN 102639934 A 20120815; EP 2480826 A1 20120801; US 2012268953 A1 20121025;  
WO 2011067095 A1 20110609

DOCDB simple family (application)  
**DE 102009047520 A 20091204**; CN 201080054997 A 20101115; EP 10779777 A 20101115; EP 2010067457 W 20101115;  
US 201013513818 A 20101115