

Title (en)
LED luminaire

Title (de)
LED-Leuchte

Title (fr)
Lampe à DEL

Publication
EP 2436974 B1 20131016 (DE)

Application
EP 11190070 A 20091104

Priority
• EP 09753030 A 20091104
• DE 102008055864 A 20081105

Abstract (en)
[origin: WO2010051985A2] The invention relates to an LED luminaire (1), having an LED module (2) with at least one LED as the lamp and a heat sink (3). The LED module (2) is connected thermally to the heat sink (3) for dissipating the heat that may be generated by the LED. In addition, the LED luminaire (1) has means for toollessly releasing and restoring the connection between the LED module (2) and the heat sink (3). These means may include, for example, a bayonet closure having two pin-type elements (10, 11). In order to replace the LED module (2), it need only be exchanged. The heat sink (3) and optionally other components of the LED luminaire (1), for example, an operating device and power cables, may remain in the installed state at the installation site. Furthermore, the LED luminaire (1) is especially easy to maintain because accessibility to the LED module (2) and to the areas of the LED module (2) and heat sink (3) that are intended for mutual contact is facilitated by loosening the LED module (2) from the heat sink (3).

IPC 8 full level
F21V 19/00 (2006.01); **F21V 29/00** (2006.01); **F21S 8/02** (2006.01); **F21S 8/04** (2006.01); **F21V 14/08** (2006.01); **F21V 17/16** (2006.01); **F21V 19/04** (2006.01); **F21V 21/30** (2006.01); **F21V 21/34** (2006.01); **F21V 23/02** (2006.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)
F21S 8/026 (2013.01 - EP US); **F21S 8/038** (2013.01 - EP); **F21S 8/043** (2013.01 - EP); **F21V 19/04** (2013.01 - EP); **F21V 23/06** (2013.01 - EP); **F21V 29/75** (2015.01 - EP); **F21V 29/763** (2015.01 - EP); **F21V 29/773** (2015.01 - EP); **F21V 17/14** (2013.01 - EP); **F21V 17/164** (2013.01 - EP); **F21V 19/001** (2013.01 - EP); **F21V 21/30** (2013.01 - EP); **F21V 21/34** (2013.01 - EP); **F21V 23/026** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Cited by
EP3056808A1; US9976712B2; WO2014202666A1; WO2015132226A1

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

DOCDB simple family (publication)
DE 102008055864 A1 20100506; CN 102216683 A 20111012; EP 2350528 A2 20110803; EP 2350528 B1 20131002; EP 2436974 A1 20120404; EP 2436974 B1 20131016; EP 2436975 A1 20120404; EP 2436975 B1 20140416; WO 2010051985 A2 20100514; WO 2010051985 A3 20100701; WO 2010051985 A8 20110505

DOCDB simple family (application)
DE 102008055864 A 20081105; CN 200980143938 A 20091104; EP 09753030 A 20091104; EP 11190070 A 20091104; EP 11190087 A 20091104; EP 2009007908 W 20091104