

Title (en)
LED luminaire

Title (de)
LED-Leuchte

Title (fr)
Lampe à DEL

Publication
EP 2436974 A1 20120404 (DE)

Application
EP 11190070 A 20091104

Priority
• EP 09753030 A 20091104
• DE 102008055864 A 20081105

Abstract (en)
The light (1) has a LED module (2) comprising a LED as an illuminant, and a heat sink (3). The LED module is thermally connected to the heat sink for discharging heat produced by the LED. A loosening and restoring unit is provided for toolless loosening and restoring of connection between the LED module and the heat sink. The restoring unit has a bayonet coupling with two pin-like elements. The LED module has a module surface and the heat sink has a heat sink surface, where the module surface laminarily contacts the heat sink surface in a connected condition.

Abstract (de)
Bei einer LED-Leuchte mit einem LED-Modul (2) mit wenigstens einer LED als Leuchtmittel und einem Kühlkörper (3) ist das LED-Modul (2) zur Abfuhr von Wärme, die durch die LED erzeugt werden kann, thermisch mit dem Kühlkörper (3) verbunden und die Leuchte weist Mittel (10, 11, 16, 17) zum werkzeuglosen Lösen und Wiederherstellen der Verbindung zwischen dem LED-Modul (2) und dem Kühlkörper (3) auf. Das LED-Modul (2) weist eine Außenfläche (14) auf, die im verbundenen Zustand eine Außenfläche der LED-Leuchte (1) bildet.

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)

Citation (search report)
• [XP] WO 2009108799 A1 20090903 - JOURNEE LIGHTING INC [US], et al
• [X] US 5808592 A 19980915 - MIZUTANI JUNICHI [JP], et al
• [A] US 2007098334 A1 20070503 - CHEN KUEI-FANG [TW]

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