

Title (en)

Flat LED lights with heat-dispersing board, in particular for furniture

Title (de)

LED-Flachleuchte mit wärmeableitender Platine insbesondere für Möbel

Title (fr)

Lampe plate DEL dotée d'une platine dissipant la chaleur, notamment pour meuble

Publication

EP 2066149 A3 20090819 (DE)

Application

EP 08170077 A 20081127

Priority

DE 102007047872 A 20071127

Abstract (en)

[origin: EP2066149A2] The lamp (1) has LED modules having discrete, flat individual LEDs, and an LED power driver for producing current flow through the LED modules and/or individual LEDs. A housing formed from a semiconductor plate (2) and a cover (3), surrounds the power driver and/or the LED modules and/or LEDs. Temperature sensors e.g. semiconductor temperature sensors, are arranged within the housing and/or are in control or effective connection with the LED modules and/or LEDs so that the current flow of the LED modules and/or LEDs is lowered or deactivated during sensing a pre-specified temperature rise.

IPC 8 full level

H05B 33/08 (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)

H05B 45/40 (2020.01 - EP US); **H05B 45/56** (2020.01 - EP US); **F21W 2131/301** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US); **H05B 45/31** (2020.01 - EP US); **H05B 45/325** (2020.01 - EP US); **H05B 45/37** (2020.01 - EP US); **H05B 45/395** (2020.01 - EP US)

Citation (search report)

- [XY] EP 1349433 A2 20031001 - HELLA KG HUECK & CO [DE]
- [X] EP 1313353 A1 20030521 - NOKIA CORP [FI]
- [X] DE 10201053 A1 20020801 - VISTEON GLOBAL TECH INC [US]
- [X] EP 1083774 A2 20010314 - HELLA KG HUECK & CO [DE]
- [X] EP 1416774 A1 20040506 - HELLA KG HUECK & CO [DE]
- [X] DE 102004047682 A1 20060406 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE], et al
- [X] EP 0891120 A2 19990113 - REITTER & SCHEFENACKER GMBH [DE]
- [Y] EP 1811228 A1 20070725 - MANUFATTI PLASTICI TRAVERSA S [IT]
- [A] US 2006049782 A1 20060309 - VORNSAND STEVEN J [US], et al
- [A] WO 2006119700 A1 20061116 - CHAN SZE KEUN [CN] & EP 2017525 A1 20090121 - CHAN SZE KEUN [CN]

Cited by

DE202010014942U1; NL2005418C2; CN102668699A; AT14662U1; DE102013020668A1; US9226361B2; US9137871B2; WO2011054547A1; US9392652B2; DE102013020668B4

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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