

Title (en)  
Optimized circuit board support for power LEDs

Title (de)  
Optimierter Träger für Leistungs-LEDs

Title (fr)  
Support optimisé pour DEL d'alimentation

Publication  
**EP 2590480 A1 20130508 (EN)**

Application  
**EP 12189284 A 20121019**

Priority  
IT BO20110630 A 20111107

Abstract (en)  
An optimized support (1) for power LEDs (2) which are provided with respective contact terminals (3), which comprises a layer of solid insulating material adapted to accommodate bands made of conductive material (5) which are connected to the respective contact terminals (3) of at least one component selected from LEDs (2) and active and passive electrical and electronic devices. The bands (5) made of conductive material comprise additional incremental stratifications (6) to increase the surface for the dissipation of heat along them and to reduce their electrical and thermal resistance.

IPC 8 full level  
**F21S 4/00** (2006.01); **H05B 33/08** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)  
**H05B 45/00** (2020.01 - EP US)

Citation (search report)

- [X] US 2011260182 A1 20111027 - HUSSELL CHRISTOPHER P [US]
- [X] US 2009154166 A1 20090618 - ZHANG LI [US], et al
- [A] US 2006082987 A1 20060420 - DORSEY JOSHUA [CA], et al

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2590480 A1 20130508**; IT BO20110630 A1 20130508

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