

Title (en)  
LED module with integrated control

Title (de)  
LED-Modul mit integrierter Ansteuerung

Title (fr)  
Module DEL avec commande intégrée

Publication  
**EP 1923626 B1 20090819 (DE)**

Application  
**EP 07118261 A 20071011**

Priority  
• DE 102006054180 A 20061116  
• DE 102007024390 A 20070525

Abstract (en)  
[origin: EP1923626A1] The module (1) has a set of LED-components (6) and an electrical connection unit (13) that connects the LED-components with a current supply of a light assembly. Thermal contact units (2, 5) discharge heat loss of the LED-components to the light assembly. A control unit is integrated into the LED-module for controlling the LED-components. The control unit exhibits a drive circuit for controlling the LED-components individually or in group. Optical units e.g. plastic optic, are fitted into the housing. An independent claim is also included for a light assembly with a set of LED-components and a cooling body.

IPC 8 full level  
**F21V 23/00** (2006.01); **F21K 99/00** (2016.01); **F21V 29/00** (2006.01); **F21Y 101/02** (2006.01); **H01L 33/00** (2006.01)

CPC (source: EP US)  
**F21K 9/00** (2013.01 - EP US); **F21S 45/47** (2017.12 - EP US); **F21V 23/00** (2013.01 - EP); **F21V 29/763** (2015.01 - EP);  
**F21V 29/767** (2015.01 - EP); **H05B 45/30** (2020.01 - EP US); **F21S 41/153** (2017.12 - EP US); **F21S 41/19** (2017.12 - EP);  
**F21Y 2115/10** (2016.07 - EP US)

Cited by  
US10337713B2; US2018023792A1; EP2623851A4; EP3382269A1; CN104126095A; FR3032561A1; CN107428284A; CN112874430A;  
EP3495720A1; FR3074881A1; CN109973914A; WO2010060420A1; WO2010145925A1; US9279574B2; WO2011139548A3; WO2013120962A1;  
WO2016124776A1; US10648655B2; US10890317B2; US11313549B2; US8237381B2; US8517562B2; US9360168B2; US9797587B2

Designated contracting state (EPC)  
DE ES FR GB IT

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ES 2329522 T3 20091126; ES 2330386 T3 20091209

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