

Title (en)
Integrated control of LED assemblies

Title (de)
Integrierte Ansteuerung von LED-Anordnungen

Title (fr)
Commande intégrée d'agencements de DEL

Publication
EP 1923627 B1 20090819 (DE)

Application
EP 07118265 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); **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
US10180248B2; DE102010031055A1; DE102010031055B4

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1923626 A1 20080521; **EP 1923626 B1 20090819**; AT E440250 T1 20090915; DE 102007024390 A1 20080521; DE 502007001338 D1 20091001; DE 502007001339 D1 20091001; EP 1923627 A1 20080521; EP 1923627 B1 20090819; ES 2329522 T3 20091126; ES 2330386 T3 20091209

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