

Title (en)
Light module

Title (de)
Leuchtmodul

Title (fr)
Module d'éclairage

Publication
EP 2716960 A2 20140409 (DE)

Application
EP 13198835 A 20080912

Priority
• DE 102007043861 A 20070914
• EP 08802139 A 20080912

Abstract (en)
The illumination module (1) has a light source and a power connection for supplying the light source. The illumination module has a cooling element (8). The light sources are arranged at a front side of a circuit board (6). The cooling element is connected with a rear side of the circuit board. The cooling element is attached to the circuit board by an adhesive. The illumination module has a cover (7), which is made of plastic or metal. An independent claim is included for a chain of lights with two illumination modules connected in series.

Abstract (de)
Ein Leuchtmodul (1) für eine Leuchtkette mit mindestens einer Lichtquelle (2,3,4) und mit mindestens einem Stromanschluss (9) zur Versorgung der mindestens einen Lichtquelle weist einen Kühlkörper (8) auf.

IPC 8 full level
F21S 4/00 (2006.01); **F21V 29/00** (2006.01); **H05B 44/00** (2022.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)
F21V 23/04 (2013.01 - EP US); **F21V 29/503** (2015.01 - US); **F21V 29/80** (2015.01 - EP US); **H05B 45/345** (2020.01 - EP US); **H05B 45/48** (2020.01 - EP US); **F21S 4/10** (2016.01 - EP US); **F21Y 2115/10** (2016.07 - EP US); **H05B 45/325** (2020.01 - EP US)

Citation (applicant)
• DE 102004004777 A1 20050915 - OSRAM OPTO SEMICONDUCTORS GMBH [DE]
• US 6566824 B2 20030520 - PANAGOTACOS GEORGE W [US], et al

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

DOCDB simple family (publication)
WO 2009036934 A2 20090326; WO 2009036934 A3 20090528; CN 101802485 A 20100811; CN 101802485 B 20130102;
DE 102007043861 A1 20090409; EP 2185857 A2 20100519; EP 2185857 B1 20141112; EP 2716960 A2 20140409; EP 2716960 A3 20171025;
US 2011285298 A1 20111124; US 8657462 B2 20140225

DOCDB simple family (application)
EP 2008007588 W 20080912; CN 200880107134 A 20080912; DE 102007043861 A 20070914; EP 08802139 A 20080912;
EP 13198835 A 20080912; US 67782108 A 20080912