

Title (en)
HEATSINK FOR SEMICONDUCTOR LIGHTING ELEMENT

Title (de)
KÜHLKÖRPER FÜR HALBLEITERLEUCHELEMENTE

Title (fr)
RADIATEUR POUR DEL

Publication
EP 2443390 B1 20141119 (DE)

Application
EP 10724018 A 20100526

Priority
• EP 2010057250 W 20100526
• DE 102009024907 A 20090615

Abstract (en)
[origin: WO2010145925A1] Disclosed is a cooling member (2) which is designed to cool semiconductor light emitting elements (8) and comprises a mounting cavity (3) for accommodating at least part of control electronics (4) used for operating the semiconductor light emitting elements. Also disclosed is a lamp (1) which comprises such a cooling member and in which the control electronics (4) are accommodated at least in part within the mounting cavity. A method for producing a lamp includes at least the following steps: the control electronics (4) are introduced at least in part into the mounting cavity (3); the mounting cavity is at least partially filled with a thermal transfer material (19); and at least one semiconductor light emitting element (8) is fixed to the cooling member (2).

IPC 8 full level
F21V 29/00 (2006.01); **F21K 99/00** (2010.01)

CPC (source: EP US)
F21K 9/232 (2016.07 - EP US); **F21K 9/238** (2016.07 - EP US); **F21K 9/90** (2013.01 - EP US); **F21V 23/006** (2013.01 - EP US); **F21V 29/71** (2015.01 - EP US); **F21V 29/74** (2015.01 - EP US); **F21V 29/773** (2015.01 - EP US); **F21V 29/85** (2015.01 - EP US); **F21V 31/005** (2013.01 - EP US); **F21V 29/713** (2015.01 - EP US); **F21Y 2115/10** (2016.07 - EP US); **Y10T 29/49826** (2015.01 - EP US)

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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102009024907 A1 20101216; CN 102803846 A 20121128; EP 2443390 A1 20120425; EP 2443390 B1 20141119; US 2012176796 A1 20120712; WO 2010145925 A1 20101223

DOCDB simple family (application)
DE 102009024907 A 20090615; CN 201080026691 A 20100526; EP 10724018 A 20100526; EP 2010057250 W 20100526; US 201013378667 A 20100526