

Title (en)

HEAT SINK AND LIGHTING DEVICE COMPRISING A HEAT SINK

Title (de)

KÜHLKÖRPER UND BELEUCHTUNGSVORRICHTUNG MIT EINEM KÜHLKÖRPER

Title (fr)

DISSIPATEUR THERMIQUE ET DISPOSITIF D'ÉCLAIRAGE COMPRENANT UN DISSIPATEUR THERMIQUE

Publication

**EP 2232135 A1 20100929 (EN)**

Application

**EP 07847036 A 20071207**

Priority

EP 2007010690 W 20071207

Abstract (en)

[origin: WO2009071110A1] A heat sink (1) that especially is adapted for operation with a forced air flow generator (20) comprises a light source region for mounting a light source (16); a heat spreading and dissipation structure (4) covering at least part of an exterior of the heat sink (1) including a bottom region and a lateral region; wherein the heat spreading and dissipation structure (4) comprises at least one air flow channel (26) leading from the bottom region to the lateral region, the air flow channel (26) comprising a lateral exit (27).

IPC 1-7

**F21K 7/00**

IPC 8 full level

**F21V 29/02** (2006.01); **F21K 99/00** (2010.01)

CPC (source: EP KR US)

**F21V 29/503** (2015.01 - US); **F21V 29/70** (2015.01 - KR); **F21V 29/74** (2015.01 - EP KR US); **F21V 29/75** (2015.01 - EP KR US); **F21V 29/773** (2015.01 - EP KR US); **F21V 29/83** (2015.01 - EP KR US); **F21Y 2101/00** (2013.01 - KR); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

See references of WO 2009071110A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**WO 2009071110 A1 20090611**; CN 101889170 A 20101117; CN 101889170 B 20121128; EP 2232135 A1 20100929; JP 2011505702 A 20110224; KR 101142580 B1 20120508; KR 20100077205 A 20100707; US 2010242519 A1 20100930

DOCDB simple family (application)

**EP 2007010690 W 20071207**; CN 200780101832 A 20071207; EP 07847036 A 20071207; JP 2010536326 A 20071207; KR 20107011007 A 20071207; US 74653910 A 20100607