

Title (en)
Illumination device

Title (de)
Beleuchtungsvorrichtung

Title (fr)
Dispositif d'illumination

Publication
EP 2312197 A1 20110420 (EN)

Application
EP 10187284 A 20101012

Priority
CN 200910308347 A 20091016

Abstract (en)
An illumination device (100) includes a heat sink (10), at least one heat transfer member (20), at least one solid-state light source (40) and a printed circuit board (30). The heat sink (10) includes a support portion (11). The heat transfer member (20) is mounted on the support portion (11) of the heat sink (10). The printed circuit board (30) is mounted on the heat transfer member (20). The printed circuit board (30) is thermally connected with the heat transfer member (20). The solid-state light source (40) is mounted on the printed circuit board (30). The circuit of the printed circuit board (30) is electrically connected to an electrode of the solid-state light source (40).

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

CPC (source: EP US)
F21K 9/00 (2013.01 - EP US); **F21V 29/70** (2015.01 - EP); **F21V 29/77** (2015.01 - US); **F21V 29/773** (2015.01 - EP);
F21V 29/89 (2015.01 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)
• [X] US 2006193130 A1 20060831 - ISHIBASHI KAZUO [JP]
• [XI] US 2004066142 A1 20040408 - STIMAC TOMISLAV J [US], et al
• [XI] WO 2008093978 A1 20080807 - ZALMAN TECH CO LTD [KR], et al
• [X] EP 1914470 A1 20080423 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE], et al

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2312197 A1 20110420; CN 102042517 A 20110504; JP 2011086615 A 20110428; KR 20110041992 A 20110422

DOCDB simple family (application)
EP 10187284 A 20101012; CN 200910308347 A 20091016; JP 2010204269 A 20100913; KR 20100090986 A 20100916