

Title (en)
ILLUMINATION APPARATUS

Title (de)
BELEUCHTUNGSVORRICHTUNG

Title (fr)
APPAREIL D'ÉCLAIRAGE

Publication
EP 2664845 A4 20140723 (DE)

Application
EP 12734685 A 20120113

Priority
• DE 102011008613 A 20110114
• CN 2012070318 W 20120113

Abstract (en)
[origin: WO2012095019A1] An illumination apparatus comprising at least one light-emitting diode chip (1), a cooling body (2) provided with a plurality of cooling fins (21), and a housing (3). The light-emitting diode chip (1) is in thermal contact with the cooling body (2). The cooling body is at least partially and laterally enclosed by the housing (3). At least some of the cooling fins (21) are extended towards the housing (3) and end surfaces (210) of the cooling fins facing the housing (3) are partially in contact with the housing (3), and particularly in direct contact therewith.

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

CPC (source: EP US)
F21S 8/026 (2013.01 - EP); **F21V 21/04** (2013.01 - EP); **F21V 29/777** (2015.01 - EP US); **F21V 29/83** (2015.01 - EP); **F21V 29/673** (2015.01 - EP); **F21V 29/677** (2015.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)
• [XYI] DE 202009000699 U1 20090326 - RD SYSTEM LEUCHTEN AG [CH]
• [YA] EP 1906083 A1 20080402 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE], et al
• [XI] CN 201269511 Y 20090708 - SHAOFAN HE [CN]
• [XI] US 2006193139 A1 20060831 - SUN TSUNG-TING [TW], et al
• [XI] US 2005111234 A1 20050526 - MARTIN PAUL S [US], et al
• See references of WO 2012095019A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
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