

Title (en)
LAMP

Title (de)
LAMPE

Title (fr)
LAMPE

Publication
EP 1721102 B1 20110803 (DE)

Application
EP 05728246 A 20050303

Priority
• DE 2005000369 W 20050303
• DE 102004011368 A 20040305

Abstract (en)
[origin: WO2005085706A1] The invention relates to a lamp (10) comprising at least one base (11) which is joined to a light, comprising a dome-shaped, in particular dish-shaped, essentially rotationally symmetrical reflector (13), wherein a light source is arranged in the focal point (32) or focal point area thereof in order to produce an oriented, e.g. narrowly emitting, light distribution from said lamp (10). The reflector is provided with an opening (15) which comprises a light exit plane (E) for the lamp (10). The invention is characterised in that the light source is formed by at least one LED (20, 20a, 20b, 20c) and is arranged at a distance from the inner side (14) of the reflector, and that at least one functional element of the LED, in particular at least one voltage supply line (21a, 21b, 21c, 21d) of the LED and/or at least one cooling body (29, 30a, 30b, 30c, 30d) for the LED, extends at least partially essentially along the light exit plane (E) or is arranged at least partially on the side of the light exit plane (E) which is oriented away from the reflector (13).

IPC 8 full level
F21V 29/00 (2006.01); **F21K 99/00** (2010.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)
F21K 9/23 (2016.07 - EP US); **F21S 45/47** (2017.12 - US); **F21V 19/001** (2013.01 - EP US); **F21V 23/06** (2013.01 - EP US); **F21V 29/713** (2015.01 - EP US); **F21V 29/773** (2015.01 - EP US); **F21V 7/0008** (2013.01 - EP US); **F21V 7/06** (2013.01 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (examination)
• DE 29910417 U1 19990812 - SIDLER GMBH & CO [DE]
• US 5924785 A 19990720 - ZHANG LU XIN [US], et al

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 2005085706 A1 20050915; CN 1954174 A 20070425; CN 1954174 B 20120704; EP 1721102 A1 20061115; EP 1721102 B1 20110803; EP 1721102 B8 20120208; EP 2270384 A2 20110105; EP 2270384 A3 20110216; JP 2007526605 A 20070913; JP 4778503 B2 20110921; US 2007189017 A1 20070816; US 2011116270 A1 20110519; US 7857496 B2 20101228; US 8162522 B2 20120424

DOCDB simple family (application)
DE 2005000369 W 20050303; CN 200580013691 A 20050303; EP 05728246 A 20050303; EP 10012150 A 20050303; JP 2007501109 A 20050303; US 59192905 A 20050303; US 94536710 A 20101112