

Title (en)  
Variable LED downlight

Title (de)  
Variables LED-downlight

Title (fr)  
Plafonnier réglable à DEL

Publication  
**EP 2322847 A3 20120801 (DE)**

Application  
**EP 10191374 A 20101116**

Priority  
• DE 102009053577 A 20091117  
• DE 102010013690 A 20100401

Abstract (en)  
[origin: EP2322847A2] The down light has a carrier structure (2) for installation or mounting in or at a cover with an opening (6) for emitting light of the down light. The opening is fixed by a frame of the carrier structure. A cooling body (16) is attached at the carrier structure or a light emitting diode arrangement is attached at the cooling body in two different installation positions such that the light emitting diode arrangement provided with different distances against the opening of the carrier structure. The light emitting diode arrangement is attached at the cooling body.

IPC 8 full level  
**F21S 8/02** (2006.01); **F21V 14/02** (2006.01); **F21V 29/00** (2006.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)  
**F21S 8/02** (2013.01 - EP US); **F21V 7/041** (2013.01 - EP); **F21V 14/02** (2013.01 - EP); **F21V 17/002** (2013.01 - EP); **F21V 17/18** (2013.01 - EP); **F21V 19/02** (2013.01 - EP); **F21V 29/75** (2015.01 - EP); **F21V 29/773** (2015.01 - EP); **F21V 29/89** (2015.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)  
• [A] US 2005227536 A1 20051013 - GAMACHE THOMAS J [US], et al  
• [A] WO 2009039491 A1 20090326 - COOPER TECHNOLOGIES CO [US], et al  
• [AD] DE 102008009814 A1 20090820 - ZUMTOBEL LIGHTING GMBH & CO KG [DE]

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EP3293440A1; CN109882775A; GB2559635A; GB2559635B; EP3196540A4; US10359162B2; US9239153B2; WO2020057956A1; WO2013123374A1

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 2322847 A2 20110518; EP 2322847 A3 20120801; EP 2322847 B1 20130327; DE 102010013690 A1 20110519**

DOCDB simple family (application)  
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