

Title (en)

LED light with curved light emission area

Title (de)

LED-Leuchte mit gebogenem Lichtabgabebereich

Title (fr)

Lampe à DEL dotée d'une zone de sortie de lumière incurvée

Publication

EP 2439445 B1 20151230 (DE)

Application

EP 11184263 A 20111007

Priority

DE 102010042193 A 20101008

Abstract (en)

[origin: EP2439445A2] The LED lamp has a card assembly (6) on which several LEDs (2,4) are arranged. The card assembly is comprised of a plate-shaped portion (8) with a flat surface portion (82) on which the LED (2) is arranged, and is equipped with a normal surface (N1). A plate-shaped portion (10) is equipped with a LED (4) on planar surface area (102) and is equipped with another normal surface (N2). The angle between the normal surfaces is in the range of 0-180[deg] .

IPC 8 full level

F21V 19/00 (2006.01); **F21S 4/00** (2006.01); **F21S 8/02** (2006.01); **F21S 8/06** (2006.01); **F21V 7/00** (2006.01); **F21V 17/10** (2006.01); **F21V 29/00** (2015.01); **F21V 29/77** (2015.01); **F21Y 101/02** (2006.01); **F21Y 103/00** (2006.01); **F21Y 103/02** (2006.01)

CPC (source: EP US)

F21S 4/28 (2016.01 - EP); **F21S 8/061** (2013.01 - EP); **F21V 7/0008** (2013.01 - EP); **F21V 7/0058** (2013.01 - EP US); **F21V 29/777** (2015.01 - EP); **F21S 8/026** (2013.01 - EP); **F21V 17/107** (2013.01 - EP); **F21Y 2103/10** (2016.07 - EP US); **F21Y 2103/33** (2016.07 - EP); **F21Y 2107/30** (2016.07 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (examination)

DE 102009009288 A1 20100826 - OSRAM GMBH [DE]

Cited by

CN103104872A; EP3444522A4; CN108700273A; JP2019506709A; US11067234B2; WO2017125325A1; US10337701B2; US10582581B2

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EP 2439445 A2 20120411; **EP 2439445 A3 20121128**; **EP 2439445 B1 20151230**; DE 102010042193 A1 20120412

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