Title (en)

LIGHT-EMITTING DIODE ARRANGEMENT AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

LEUCHTDIODENANORDNUNG UND VERFAHREN ZUM HERSTELLEN EINER LEUCHTDIODENANORDNUNG

Title (fr)

SYSTEME DE DIODE ELECTROLUMINESCENTE ET SON PROCEDE DE PRODUCTION

Publication

EP 1733599 A2 20061220 (DE)

Application

EP 05752758 A 20050324

Priority

- EP 2005003131 W 20050324
- DE 102004016847 A 20040407

Abstract (en)

[origin: WO2005099323A2] The invention relates to a light-emitting diode arrangement (1) comprising a conductor track support (2) which is provided with a electric conductor track arrangement (8, 9), and at least one light-emitting diode (3) which is electrically connected to the conductor track arrangement (8, 9). The aim of the invention is to increase the service life of light-emitting diodes having increased conductivity. According to the invention, a cooling body (6) is arranged on the side, which is opposite the light-emitting diode (3), of the conductor track support (2) and the conductor track support comprises a through opening (22) which is arranged between the light-emitting diode (3) and the cooling body (6).

IPC 8 full level

H05K 1/02 (2006.01); **F21V 29/00** (2006.01); **H01L 33/64** (2010.01); F21S 8/10 (2006.01)

CPC (source: EP US)

F21S 45/48 (2017.12 - EP US); **F21V 29/70** (2015.01 - US); **F21V 29/74** (2015.01 - EP); **H01L 33/642** (2013.01 - EP); **H05K 1/0206** (2013.01 - EP); F21S 43/14 (2017.12 - EP); F21Y 2115/10 (2016.07 - EP US); H05K 2201/0305 (2013.01 - EP); H05K 2201/10106 (2013.01 - EP)

Citation (search report)

See references of WO 2005099323A2

Citation (examination)

WO 0069000 A1 20001116 - OSRAM OPTO SEMICONDUCTORS GMBH [DE], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005099323 A2 20051020; **WO 2005099323 A3 20060216**; BR PI0504768 A 20061024; DE 102004016847 A1 20051222; EP 1733599 A2 20061220

DOCDB simple family (application)

EP 2005003131 W 20050324; BR PI0504768 A 20050324; DE 102004016847 A 20040407; EP 05752758 A 20050324