

Title (en)
LED-ARRAY

Title (de)
LED-ARRAY MIT TEMPERATURSENSOR

Title (fr)
JEU ORDONNE DE DEL

Publication
EP 1800341 A2 20070627 (DE)

Application
EP 05789566 A 20050909

Priority
• DE 2005001582 W 20050909
• DE 102004047682 A 20040930

Abstract (en)
[origin: WO2006034668A2] The invention relates to an LED array having at least two LED chips (2). Said LED array is characterized in that it contains a temperature sensor (3) and in that the operating current of the LED chips (2) is controlled depending on the temperature detected by the temperature sensor (3). The inventive array allows for a long operating time of the LED chips (2) with a high operating current without running the risk of thermal overload.

IPC 8 full level
H01L 25/16 (2006.01); **H01L 33/48** (2010.01); **F21K 99/00** (2016.01); **H01L 33/56** (2010.01); **H01L 33/58** (2010.01)

CPC (source: EP US)
B60Q 1/0023 (2013.01 - EP); **H01L 25/0753** (2013.01 - EP US); **H01L 25/167** (2013.01 - EP US); **H05B 45/18** (2020.01 - EP US); **H05B 45/28** (2020.01 - EP US); **H01L 2924/0002** (2013.01 - EP US); **Y02B 20/30** (2013.01 - EP US)

Citation (search report)
See references of WO 2006034668A2

Citation (examination)
JP H08320261 A 19961203 - NEC CORP

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
DE 102004047682 A1 20060406; CN 100474583 C 20090401; CN 101061583 A 20071024; CN 101510546 A 20090819; CN 101510546 B 20110323; EP 1800341 A2 20070627; JP 2008515207 A 20080508; KR 20070053818 A 20070525; US 2008061717 A1 20080313; WO 2006034668 A2 20060406; WO 2006034668 A3 20061102

DOCDB simple family (application)
DE 102004047682 A 20040930; CN 200580032859 A 20050909; CN 200910117853 A 20050909; DE 2005001582 W 20050909; EP 05789566 A 20050909; JP 2007533860 A 20050909; KR 20077009467 A 20070426; US 57589905 A 20050909