

Title (en)
Lampe

Title (de)
Leuchte

Title (fr)
Luminaire

Publication
EP 1783421 A1 20070509 (DE)

Application
EP 06021682 A 20061017

Priority
DE 202005016756 U 20051026

Abstract (en)
The lamp has a number of LED`s (5) arranged on a plate (4) as a light source, and a heat sink (1) for cooling the LED`s. The LED`s and the heat sink are locally separated from each other. A heat transfer device (6) is arranged between the LED`s and the heat sink. A stable-form tube is provided as the heat transfer device, where electrical wires are arranged in the tube or the tube serves as electrical wire.

IPC 8 full level
F21S 6/00 (2006.01); **F21S 8/06** (2006.01); **F21V 29/00** (2006.01)

CPC (source: EP US)
F21S 6/003 (2013.01 - EP); **F21S 6/005** (2013.01 - EP); **F21S 8/043** (2013.01 - EP); **F21S 8/06** (2013.01 - EP); **F21V 29/51** (2015.01 - EP US); **F21V 29/67** (2015.01 - EP US); **F21Y 21/15/10** (2016.07 - EP US)

Citation (search report)
• [XY] EP 1528315 A2 20050504 - CHEN JEFFREY [TW]
• [XY] EP 1357335 A2 20031029 - NICHIA CORP [JP]
• [PX] WO 2006066532 A1 20060629 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE], et al

Citation (examination)
• DE 202004002278 U1 20040624 - LOCHER FRANCOIS [DE]
• US 4974135 A 19901127 - WEN-TSUNG CHEN [TW]

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DE102010014338A1; GB2437618A; DE102010014338B4; WO2011011986A1; EP2375148A2

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
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