

Title (en)
LIGHT EMITTING DIODE (LED) BASED LAMP

Title (de)
STEUERUNG FÜR EINE AUF LICHEMITTIERENDEN DIODEN (LED) BASIERENDE LEUCHTE

Title (fr)
LAMPE À DIODE ÉLECTROLUMINESCENTE (DEL)

Publication
EP 2483596 A4 20130508 (EN)

Application
EP 10821324 A 20101001

Priority

- US 35923910 A 20100407
- US 57233909 A 20091002
- US 57248009 A 20091002
- US 32897410 P 20100428
- US 2010051109 W 20101001

IPC 8 full level
F21K 99/00 (2010.01); **F21V 3/00** (2006.01); **F21V 5/04** (2006.01)

CPC (source: EP KR)
F21K 9/232 (2016.07 - EP KR); **F21K 9/66** (2016.07 - KR); **F21V 3/02** (2013.01 - EP KR); **F21V 3/0615** (2018.01 - EP);
F21V 3/0625 (2018.01 - EP); **F21V 29/677** (2015.01 - KR); **F21V 29/74** (2015.01 - KR); **F21V 29/773** (2015.01 - EP KR);
F21V 29/85 (2015.01 - EP KR); **F21Y 2105/10** (2016.07 - KR); **F21Y 2115/10** (2016.07 - EP KR)

Citation (search report)

- [X] US 6305821 B1 20011023 - HSIEH YUAN-TAI [TW], et al
- [XP] WO 2009128004 A1 20091022 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [X] US 2006215422 A1 20060928 - LAIZURE ROBERT S JR [US], et al
- See references of WO 2011041667A1

Cited by
US9612002B2

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

DOCDB simple family (publication)
EP 2483596 A1 20120808; EP 2483596 A4 20130508; KR 20120107071 A 20120928

DOCDB simple family (application)
EP 10821324 A 20101001; KR 20127011454 A 20101001