

Title (en)
ILLUMINATION UNIT

Title (de)
BELEUCHTUNGSEINHEIT

Title (fr)
UNITÉ D'ÉCLAIRAGE

Publication
EP 2384410 A1 20111109 (DE)

Application
EP 10701631 A 20100127

Priority
• EP 2010000488 W 20100127
• DE 102009006184 A 20090127

Abstract (en)
[origin: WO2010086150A1] An illumination unit for illuminating large surfaces comprises a carrier device (11), to which a plurality of light emitting diodes (13) is fastened in a two-dimensional arrangement. A plurality of separate reflector elements (17) is fastened to the carrier device between the light emitting diodes.

IPC 8 full level
F21K 99/00 (2010.01); **F21V 29/505** (2015.01)

CPC (source: EP US)
F21K 9/00 (2013.01 - US); **F21K 9/20** (2016.07 - EP); **F21V 29/505** (2015.01 - EP US); **F21V 29/70** (2015.01 - EP US);
F21V 29/74 (2015.01 - EP US); **F21V 29/87** (2015.01 - EP US); **F21V 29/89** (2015.01 - EP US); **F21V 17/12** (2013.01 - EP US);
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F21Y 2105/00 (2013.01 - EP US); **F21Y 2105/10** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)
See references of WO 2010086150A1

Citation (examination)
• WO 2008122924 A1 20081016 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
• WO 2008058446 A1 20080522 - HONG YUAN TECHNOLOGY CO LTD [CN], et al
• DE 10044455 A1 20020404 - OSRAM OPTO SEMICONDUCTORS GMBH [DE]
• KR 100857058 B1 20080905 - LEE YOUNG SEB [KR]

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
BA RS

DOCDB simple family (publication)
DE 102009006184 A1 20100729; EP 2384410 A1 20111109; RU 2011135732 A 20130310; RU 2538783 C2 20150110;
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DE 102009006184 A 20090127; EP 10701631 A 20100127; EP 2010000488 W 20100127; RU 2011135732 A 20100127;
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