

Title (en)
Light engine for an illumination device

Title (de)
Lichtgenerator für eine Beleuchtungsvorrichtung

Title (fr)
Générateur de lumière pour un dispositif d'éclairage

Publication
EP 2843301 A1 20150304 (EN)

Application
EP 13182309 A 20130830

Priority
EP 13182309 A 20130830

Abstract (en)
Disclosed herein are embodiments of a light engine for an illumination device, the light engine defining an output gate and being configured to output light from said output gate; wherein the light engine comprises: one or more light sources defining a light-emitting area; a concave reflector configured to receive light from the light-emitting area and to direct light from respective portions of the light-emitting area to form a converging beam that converges towards a beam spot at the output gate.

IPC 8 full level
F21V 5/04 (2006.01); **F21S 8/10** (2006.01); **F21V 7/00** (2006.01); **F21V 7/06** (2006.01); **F21V 13/04** (2006.01); **F21V 13/12** (2006.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)
F21S 41/24 (2017.12 - EP); **F21S 41/255** (2017.12 - EP); **F21S 41/321** (2017.12 - EP); **F21V 5/008** (2013.01 - EP US); **F21V 5/045** (2013.01 - EP US); **F21V 7/0008** (2013.01 - EP); **F21V 7/0058** (2013.01 - EP US); **F21V 7/06** (2013.01 - EP); **F21V 13/04** (2013.01 - EP); **F21V 13/14** (2013.01 - EP US); **F21S 41/145** (2017.12 - EP US); **F21V 7/0016** (2013.01 - EP); **F21V 7/0091** (2013.01 - EP); **F21W 2107/10** (2017.12 - EP); **F21W 2131/107** (2013.01 - EP); **F21W 2131/406** (2013.01 - EP); **F21Y 2113/13** (2016.07 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (applicant)
WO 2012167799 A1 20121213 - MARTIN PROFESSIONAL AS [DK], et al

Citation (search report)
• [X] JP 2005292642 A 20051020 - VICTOR COMPANY OF JAPAN
• [X] US 2012069562 A1 20120322 - SINGER JEFFREY M [US], et al
• [X] US 2012155102 A1 20120621 - MELZNER ERWIN [DE], et al
• [X] EP 1857729 A1 20071121 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE], et al
• [A] WO 2011006501 A1 20110120 - MARTIN PROFESSIONAL AS [DK], et al
• [A] US 7580192 B1 20090825 - CHU MAN YIN ARTHUR NEWTON [CN], et al
• [A] US 2007138978 A1 20070621 - RAINS JACK C JR [US], et al

Cited by
US10697612B2

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2843301 A1 20150304

DOCDB simple family (application)
EP 13182309 A 20130830