

Title (en)
Lamp, in particular spotlight

Title (de)
Leuchte, insbesondere Scheinwerfer

Title (fr)
Lampe, notamment projecteur

Publication
EP 2711620 A3 20160601 (DE)

Application
EP 13185790 A 20130924

Priority
DE 202012103660 U 20120924

Abstract (en)
[origin: EP2711620A2] The lamp has closed housing inside which printed circuit board (1) having LED (2) is arranged. A light emitted from the LED is passed via condensing lens (3), and the condensed light is passed via diverging lens (4). The diverging lens is configured to direct the captured light into far-field (F).

IPC 8 full level
F21V 14/06 (2006.01); **F21V 5/00** (2015.01); **F21W 131/00** (2006.01); **F21Y 101/00** (2016.01)

CPC (source: EP US)
F21V 5/008 (2013.01 - EP US); **F21V 14/06** (2013.01 - EP US); **F21V 21/30** (2013.01 - EP US); **F21W 2131/40** (2013.01 - EP US); **F21Y 2103/10** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

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- [XI] US 2010110660 A1 20100506 - BRUKILACCHIO THOMAS JOHN [US]
- [XI] EP 1890076 A1 20080220 - CCS INC [JP]
- [Y] US 4298920 A 19811103 - GLUCK LEWIS, et al
- [Y] EP 2112425 A1 20091028 - COEMAR SPA [IT]
- [Y] WO 2010094141 A1 20100826 - PHOSTER IND [CA], et al

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)
DE 202012103660 U1 20140107; EP 2711620 A2 20140326; EP 2711620 A3 20160601; US 2014085886 A1 20140327

DOCDB simple family (application)
DE 202012103660 U 20120924; EP 13185790 A 20130924; US 201314034786 A 20130924