

Title (en)
LAMP DEVICE

Title (de)
LEUCHTVORRICHTUNG

Title (fr)
DISPOSITIF D'ÉCLAIRAGE

Publication
EP 2281140 A1 20110209 (DE)

Application
EP 09741839 A 20090430

Priority

- EP 2009003127 W 20090430
- DE 102008022888 A 20080508
- DE 102008028969 A 20080618
- DE 102009005380 A 20090121

Abstract (en)
[origin: WO2009135620A1] A lamp device comprising illuminant (40; 94), which emits a primary radiation on applying a voltage thereto and solid particles (64, 66), at least partly enclosing the illuminant (40; 94) and which interact with the primary radiation. The particle number density (64, 66) changes in at least one direction away from the illuminant (40; 94) from a first particle number density to a second particle number density.

IPC 1-7
F21K 7/00

IPC 8 full level
F21K 99/00 (2010.01); **C09K 11/02** (2006.01); **F21V 9/40** (2018.01); **H01L 33/00** (2010.01); **H01L 33/50** (2010.01)

CPC (source: EP KR US)
C09K 11/025 (2013.01 - US); **F21K 9/232** (2016.07 - EP KR US); **F21K 9/233** (2016.07 - EP KR US); **F21V 3/00** (2013.01 - KR); **F21V 29/677** (2015.01 - EP KR US); **H01L 25/0753** (2013.01 - KR); **H01L 33/50** (2013.01 - KR); **H01L 33/52** (2013.01 - KR); **F21V 3/00** (2013.01 - EP US); **F21Y 2115/10** (2016.07 - EP KR US); **H01L 25/0753** (2013.01 - EP US); **H01L 33/50** (2013.01 - EP US); **H01L 33/52** (2013.01 - US); **H01L 2224/48091** (2013.01 - EP KR US); **H01L 2224/48137** (2013.01 - EP KR US); **H01L 2224/73265** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2009135620A1

Designated contracting state (EPC)
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Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009135620 A1 20091112; BR PI0912228 A2 20151006; CA 2723802 A1 20091112; CN 102089566 A 20110608; EP 2281140 A1 20110209; JP 2011523165 A 20110804; KR 20110004906 A 20110114; RU 2010149595 A 20120620; RU 2519242 C2 20140610; TW 201007091 A 20100216; US 2011058379 A1 20110310; US 8456077 B2 20130604

DOCDB simple family (application)
EP 2009003127 W 20090430; BR PI0912228 A 20090430; CA 2723802 A 20090430; CN 200980116428 A 20090430; EP 09741839 A 20090430; JP 2011507817 A 20090430; KR 20107027545 A 20090430; RU 2010149595 A 20090430; TW 98114014 A 20090428; US 99108609 A 20090430