

Title (en)
LIGHTING DEVICE

Title (de)
BELEUCHTUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ÉCLAIRAGE

Publication
EP 2753863 A1 20140716 (DE)

Application
EP 12755960 A 20120810

Priority
• DE 102011112710 A 20110907
• EP 2012065760 W 20120810

Abstract (en)
[origin: WO2013034395A1] The invention relates to a lighting device for room lighting which has a carrier plate (8) having a reflective assembly surface (89) on which a plurality of light emitting semiconductor chips (1) spaced apart from each other is arranged, and furthermore a translucent or transparent emission plate (20) arranged downstream of the light emitting semiconductor chips (1) in the emission direction and having a light decoupling surface (29) facing away from the light emitting semiconductor chips (1), wherein the emission plate (20) has a plurality of recesses (22) which are each arranged after at least one semiconductor chip (1), and wherein each of the recesses (22) has a diffusor material and/or a wavelength conversion material (21) on the inner surface (28) facing the semiconductor chips (1), and spaced apart from the light emitting semiconductor chips (1).

IPC 8 full level
F21V 3/04 (2006.01); **F21K 9/00** (2016.01); **F21V 9/16** (2006.01); **F21V 9/40** (2018.01); **F21Y 105/00** (2016.01)

CPC (source: EP US)
F21K 9/60 (2016.07 - EP US); **F21K 9/64** (2016.07 - EP US); **F21V 3/04** (2013.01 - EP US); **F21V 9/32** (2018.01 - EP US);
F21V 13/14 (2013.01 - EP US); **F21Y 2105/10** (2016.07 - EP US); **F21Y 2105/12** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)
See references of WO 2013034395A1

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)
DE 102011112710 A1 20130307; CN 103917819 A 20140709; EP 2753863 A1 20140716; EP 2753863 B1 20171018;
US 2015241004 A1 20150827; WO 2013034395 A1 20130314

DOCDB simple family (application)
DE 102011112710 A 20110907; CN 201280043743 A 20120810; EP 12755960 A 20120810; EP 2012065760 W 20120810;
US 201214343739 A 20120810