

Title (en)
LED LIGHT MODULE AND LIGHTING DEVICE WITH AT LEAST ONE LED LIGHT MODULE

Title (de)
LED-LEUCHTMODUL UND LEUCHTE MIT WENIGSTENS EINEM LED-LEUCHTMODUL

Title (fr)
MODULE À LED ET LA LUMINAIRE AVEC AU MOINS UN MODULE LED.

Publication
EP 2976570 B1 20170823 (DE)

Application
EP 14707418 A 20140303

Priority
• DE 102013203912 A 20130307
• EP 2014054061 W 20140303

Abstract (en)
[origin: WO2014135492A1] An LED lighting module (1) comprises a plurality of first LEDs (2) for generating a first light, a first optical element (3) for influencing the first light, wherein the first optical element (3) is designed to influence the first light such that it is emitted in a concentrated manner by the LED lighting module (1) in a direction (R), at least one second LED (4) for generating a second light and a second optical element (5) for influencing the second light, wherein the second optical element (5) is designed to influence the second light such that it is emitted diffusely by the LED lighting module (1) in the direction (R).

IPC 8 full level
F21V 17/10 (2006.01); **F21S 8/04** (2006.01); **F21V 7/00** (2006.01); **F21Y 115/10** (2016.01)

CPC (source: EP US)
F21K 9/60 (2016.07 - EP US); **F21S 10/00** (2013.01 - EP US); **F21V 3/0625** (2018.01 - EP US); **F21V 5/007** (2013.01 - EP US); **F21V 5/04** (2013.01 - EP US); **F21V 13/12** (2013.01 - EP US); **F21V 17/102** (2013.01 - EP US); **F21V 23/04** (2013.01 - EP US); **F21V 29/70** (2015.01 - EP US); **F21Y 2105/10** (2016.07 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Cited by
DE102020104340A1

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 102013203912 A1 20140911; AU 2014224769 A1 20150827; AU 2014224769 B2 20171214; CN 105026831 A 20151104; CN 105026831 B 20200609; EP 2976570 A1 20160127; EP 2976570 B1 20170823; US 2016018063 A1 20160121; US 9752737 B2 20170905; WO 2014135492 A1 20140912

DOCDB simple family (application)
DE 102013203912 A 20130307; AU 2014224769 A 20140303; CN 201480011439 A 20140303; EP 14707418 A 20140303; EP 2014054061 W 20140303; US 201414773499 A 20140303