

Title (en)

LIGHTING MODULE AND ASSEMBLY METHOD THEREFOR, AND LIGHTING DEVICE

Title (de)

BELEUCHTUNGSMODUL UND MONTAGEVERFAHREN DAFÜR SOWIE BELEUCHTVORRICHTUNG

Title (fr)

MODULE D'ÉCLAIRAGE ET SON PROCÉDÉ D'ASSEMBLAGE, ET DISPOSITIF D'ÉCLAIRAGE

Publication

EP 3907426 A1 20211110 (EN)

Application

EP 20852694 A 20200630

Priority

- CN 201921314979 U 20190814
- CN 201911318684 A 20191219
- CN 201922299275 U 20191219
- CN 201922297295 U 20191219
- CN 2020099379 W 20200630

Abstract (en)

A lighting module and an assembly method therefor, and a lighting device. The lighting module includes: a base, comprising a base plate and a base side wall disposed on the base plate, the base side wall and the bottom plate enclosing an accommodation groove (210); a light transmitting component, being partially disposed in the accommodation groove (210) so as to form an accommodating space (220) between the light transmitting component (120) and the base plate (112), the light transmitting component (120) comprising a light transmitting component side wall (124) which is oppositely arranged with the base side wall (114) at an interval; and a sealing component (130), being partially disposed between the light transmitting component side wall (124) and the base side wall (114), and being in close contact with the light transmitting component side wall (124) and the base side walls (114) respectively so as to seal the accommodating space (220). Thus, the lighting module can improve the illuminating brightness and the lighting efficiency. Furthermore, the lighting module does not require a compression frame and fasteners or screws to be arranged on the edge of the light transmitting component (120), thereby reducing assembling steps, improving assembly efficiency, decreasing the failure rate of products and reducing the cost.

IPC 8 full level

F21S 2/00 (2016.01); **F21V 17/16** (2006.01); **F21V 31/00** (2006.01); **F21W 131/103** (2006.01); **F21Y 103/00** (2016.01)

CPC (source: EP)

F21V 17/16 (2013.01); **F21V 29/763** (2015.01); **F21V 31/005** (2013.01); **F21V 5/007** (2013.01); **F21V 17/002** (2013.01); **F21Y 2103/10** (2016.07); **F21Y 2105/16** (2016.07); **F21Y 2115/10** (2016.07)

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 3907426 A1 20211110; **EP 3907426 A4 20220330**; JP 3238481 U 20220729; WO 2021027419 A1 20210218

DOCDB simple family (application)

EP 20852694 A 20200630; CN 2020099379 W 20200630; JP 2021600119 U 20200630