

Title (en)
Light module

Title (de)
Lichtmodul

Title (fr)
Module d'éclairage

Publication
EP 2693109 B1 20200902 (DE)

Application
EP 13172652 A 20130619

Priority
DE 102012213842 A 20120803

Abstract (en)
[origin: EP2693109A2] The light module (10) has a lens device (18) for forming desired light distribution, where the lens device is exactly positioned in a desired spatial position by a positioning device. The positioning device has a dowel pin and a ball socket, where the dowel pin is engaged and guided in the ball socket for positioning the lens device. A fastening device has a fastening projection, fastening recess and a fastening unit. The fastening projection is engaged in the fastening recess and is fixed with the fastening unit for fastening the lens device. The dowel pin is extended along a guide direction.

IPC 8 full level
F21S 41/29 (2018.01); **F21S 41/143** (2018.01)

CPC (source: EP US)
F21S 41/29 (2017.12 - EP US); **F21S 41/143** (2017.12 - EP US); **F21S 41/153** (2017.12 - EP US)

Cited by
EP3757450A1; EP4224057A1; CN110173669A; US11988352B2; US11435048B2; US11732857B2; WO2020182610A1; WO2020259994A1; WO2022242783A1

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)
EP 2693109 A2 20140205; EP 2693109 A3 20150121; EP 2693109 B1 20200902; CN 103574463 A 20140212; CN 103574463 B 20180327; DE 102012213842 A1 20140206

DOCDB simple family (application)
EP 13172652 A 20130619; CN 201310332219 A 20130801; DE 102012213842 A 20120803