

Title (en)
Light module

Title (de)
Lichtmodul

Title (fr)
Module d'éclairage

Publication
EP 2693106 A3 20151223 (DE)

Application
EP 13172375 A 20130618

Priority
DE 102012213844 A 20120803

Abstract (en)
[origin: EP2693106A2] The module has a light source unit (12), a primary optic unit (14) and a secondary optic unit (18) formed as pre-mounted components and joined for final assembly of the module. The secondary optic unit includes a lens device (48) e.g. collecting lens, for projecting light distribution into radiation light distribution of the module. Bolt-like fastening sections (56) and cylinder openings (58) position-precisely fasten the primary optic and source units at each other. An opening (60) and a pin-like projection position-precisely fasten the secondary optic unit relative to the primary optic unit.

IPC 8 full level
F21S 8/10 (2006.01); **F21V 5/00** (2015.01); **F21V 17/00** (2006.01); **F21W 107/10** (2018.01)

CPC (source: EP US)
F21S 41/143 (2017.12 - EP US); **F21S 41/29** (2017.12 - EP); **F21S 41/295** (2017.12 - EP); **F21S 41/50** (2017.12 - EP);
F21S 41/663 (2017.12 - EP US); **F21S 41/153** (2017.12 - US); **F21S 45/43** (2017.12 - EP US)

Citation (search report)

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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 2693106 A2 20140205; EP 2693106 A3 20151223; EP 2693106 B1 20200304; CN 103574474 A 20140212; CN 103574474 B 20170630;
DE 102012213844 A1 20140206; DE 102012213844 B4 20210128

DOCDB simple family (application)
EP 13172375 A 20130618; CN 201310334211 A 20130802; DE 102012213844 A 20120803