

Title (en)  
Light module

Title (de)  
Lichtmodul

Title (fr)  
Module d'éclairage

Publication  
**EP 2693106 B1 20200304 (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 41/143** (2018.01); **F21S 41/29** (2018.01); **F21S 41/50** (2018.01); **F21S 41/663** (2018.01); **F21S 45/43** (2018.01); **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)

Cited by  
CN108826218A; CN108692264A; EP3324104A4; EP3299710A1; FR3056699A1; EP3537040A1; EP3086024A3; US11668446B2; US10267475B2; US10267467B2; WO2020003161A1; EP3537040B1

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)  
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**EP 13172375 A 20130618**; CN 201310334211 A 20130802; DE 102012213844 A 20120803