

Title (en)

OPTICAL MODULE FOR PROJECTING A CUTTING LIGHT BEAM HAVING HORIZONTAL FOCUSING MEANS

Title (de)

OPTISCHES MODUL ZUM PROJIZIEREN EINES LICHTSTRAHLS MIT HELL-DUNKEL-GRENZE, DAS MITTEL ZUR HORIZONTAL EN BÜNDELUNG UMFASST

Title (fr)

MODULE OPTIQUE POUR PROJETER UN FAISCEAU LUMINEUX À COUPURE COMPORTANT DES MOYENS DE FOCALISATION HORIZONTALE

Publication

EP 3315851 B1 20200408 (FR)

Application

EP 17196701 A 20171016

Priority

FR 1660529 A 20161028

Abstract (en)

[origin: US2018119899A1] The invention relates to an optical module intended to project a final light beam having a profiled cutoff having at least one horizontal segment, including a controlled light source emitting an initial beam, and optical cutting-off means for converting the initial beam into an intermediate cutoff beam containing a cutoff, in which beam the light rays are distributed vertically below the profiled cutoff. The optical module includes horizontally focusing optical means for focusing the intermediate cutoff beam toward a substantially vertical line of focus, and an exit lens having a vertical focal line that is coincident with the line of focus in order to convert the intermediate cutoff beam into the final beam.

IPC 8 full level

F21S 41/143 (2018.01)

CPC (source: EP US)

F21K 9/69 (2016.07 - US); **F21S 41/143** (2017.12 - EP US); **F21S 41/25** (2017.12 - US); **F21S 41/255** (2017.12 - EP); **F21S 41/26** (2017.12 - EP US); **F21S 41/27** (2017.12 - EP); **F21S 41/285** (2017.12 - EP); **F21S 41/30** (2017.12 - US); **F21S 41/336** (2017.12 - EP); **F21V 13/02** (2013.01 - US); **F21V 13/04** (2013.01 - US); **F21W 2102/135** (2017.12 - EP)

Cited by

EP3845799A4

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 3315851 A1 20180502; **EP 3315851 B1 20200408**; CN 108019713 A 20180511; CN 108019713 B 20211224; FR 3058105 A1 20180504; FR 3058105 B1 20210402; US 10139057 B2 20181127; US 2018119899 A1 20180503

DOCDB simple family (application)

EP 17196701 A 20171016; CN 201711031535 A 20171027; FR 1660529 A 20161028; US 201715794066 A 20171026