

Title (en)
LIGHT MODULE WITH IMAGING OPTICS OPTIMISED FOR A PIXELATED SPATIAL MODULATOR, INTENDED FOR A MOTOR VEHICLE

Title (de)
LEUCHTMODUL MIT OPTIMISIERTER BILDANZEIGEOPTIK FÜR EINEN VERPIXELTEN RÄUMLICHEN LICHTMODULATOR, DER FÜR EIN KRAFTFAHRZEUG BESTIMMT IST

Title (fr)
MODULE LUMINEUX AVEC OPTIQUE D'IMAGERIE OPTIMISÉE POUR UN MODULATEUR SPATIAL PIXELLISÉ, DESTINÉ À UN VÉHICULE AUTOMOBILE

Publication
EP 3396241 B1 20240207 (FR)

Application
EP 18168421 A 20180420

Priority
FR 1753756 A 20170428

Abstract (en)
[origin: US2018313510A1] The light module for motor vehicle offers a light source associated with a first part of an imaging system so as to produce a reflected beam coincident with the reflection surface of a high definition pixellated spatial light modulator, which makes it possible to avoid unnecessarily lighting the periphery of the spatial light modulator. The light source consists essentially in one or more light emitting diodes and/or has a punctiform or virtually punctiform appearance. The reflected radiation arrives on a second part of the imaging system, this part characteristically consisting in an optical projection system, some of whose elements can form a back focussing system. The module remains compact and is clearly suitable for providing adaptive lighting in a homogeneous, efficient manner and with high resolution.

IPC 8 full level
F21V 7/00 (2006.01); **F21S 8/00** (2006.01); **F21S 41/141** (2018.01); **F21S 41/25** (2018.01); **F21S 41/675** (2018.01); **F21V 14/00** (2018.01)

CPC (source: CN EP US)
F21S 41/147 (2018.01 - EP US); **F21S 41/25** (2018.01 - CN); **F21S 41/255** (2018.01 - EP US); **F21S 41/265** (2018.01 - EP US); **F21S 41/285** (2018.01 - EP US); **F21S 41/36** (2018.01 - CN); **F21S 41/37** (2018.01 - US); **F21S 41/635** (2018.01 - US); **F21S 41/657** (2018.01 - CN); **F21S 41/675** (2018.01 - CN EP US); **F21S 41/68** (2018.01 - US); **F21S 43/14** (2018.01 - EP US); **F21S 43/26** (2018.01 - EP US); **F21S 43/31** (2018.01 - EP US); **F21S 43/40** (2018.01 - CN EP US); **F21S 45/47** (2018.01 - EP US); **F21S 45/48** (2018.01 - CN); **F21V 5/007** (2013.01 - CN); **F21V 7/0083** (2013.01 - CN); **F21V 14/02** (2013.01 - CN); **F21V 14/04** (2013.01 - CN); **F21V 23/003** (2013.01 - CN); **F21V 29/74** (2015.01 - CN); **F21S 43/33** (2018.01 - US); **F21W 2102/13** (2018.01 - EP US); **F21W 2103/10** (2018.01 - EP US); **F21W 2103/15** (2018.01 - EP US); **F21W 2103/20** (2018.01 - EP US); **F21W 2103/55** (2018.01 - EP US); **F21Y 2115/10** (2016.08 - CN US); **F21Y 2115/30** (2016.08 - CN)

Cited by
WO2022111467A1

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 3396241 A1 20181031; **EP 3396241 B1 20240207**; CN 108826217 A 20181116; CN 108826217 B 20210827; FR 3065784 A1 20181102; FR 3065784 B1 20191011; US 10571091 B2 20200225; US 2018313510 A1 20181101

DOCDB simple family (application)
EP 18168421 A 20180420; CN 201810402242 A 20180428; FR 1753756 A 20170428; US 201815964743 A 20180427