

Title (en)

OPTICAL MODULE PROJECTING A PIXEL LIGHT BEAM

Title (de)

OPTISCHES MODUL, DAS EINEN PIXEL-LICHTSTRAHL PROJIZIERT

Title (fr)

MODULE OPTIQUE PROJETANT UN FAISCEAU LUMINEUX À PIXELS

Publication

EP 3784953 B1 20240724 (FR)

Application

EP 19719337 A 20190426

Priority

- FR 1853755 A 20180427
- EP 2019060817 W 20190426

Abstract (en)

[origin: WO2019207147A1] The invention relates to a light module (14) for projecting a pixelated light beam (16) comprising a high-resolution zone (20) and a low-resolution zone (22), said light module (14) comprising: an array (28) of light-emitting diodes (30); a projection optic (44) having an object focal plane (P); and an optical element (32) forming high-resolution object pixels from the light-emitting diodes (30) in the object focal plane (P); characterised in that the light module (14) comprises low-resolution light sources (36) different from the array (28) of light-emitting diodes (30), and a primary optical element (38) different from the intermediate optical element (32) for forming low-resolution object pixels in the object focal plane (P).

IPC 8 full level

F21S 41/143 (2018.01); **F21S 41/14** (2018.01); **F21S 41/148** (2018.01); **F21S 41/153** (2018.01); **F21S 41/176** (2018.01); **F21S 41/20** (2018.01); **F21S 41/24** (2018.01); **F21S 41/663** (2018.01)

CPC (source: EP)

F21S 41/143 (2018.01); **F21S 41/148** (2018.01); **F21S 41/153** (2018.01); **F21S 41/176** (2018.01); **F21S 41/18** (2018.01); **F21S 41/24** (2018.01); **F21S 41/285** (2018.01); **F21S 41/663** (2018.01)

Citation (examination)

- EP 2893249 B1 20161012 - ZIZALA LICHTSYSTEME GMBH [AT]
- DE 102008013603 B4 20170622 - AUTOMOTIVE LIGHTING REUTLINGEN GMBH [DE]

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)

WO 2019207147 A1 20191031; EP 3784953 A1 20210303; EP 3784953 B1 20240724; FR 3080670 A1 20191101

DOCDB simple family (application)

EP 2019060817 W 20190426; EP 19719337 A 20190426; FR 1853755 A 20180427