

Title (en)

LIGHT-BEAM-PROJECTING DEVICE OF A VEHICLE AND VEHICLE HEADLAMP COMPRISING IT

Title (de)

LICHTSTRAHLPROJEKTIONSVORRICHTUNG EINES KRAFTFAHRZEUGS UND KRAFTFAHRZEUGSCHEINWERFER MIT DIESER VORRICHTUNG

Title (fr)

DISPOSITIF DE PROJECTION DE FAISCEAU LUMINEUX DE VEHICULE AUTOMOBILE ET PROJECTEUR DE VEHICULE COMPRENANT LEDIT DISPOSITIF

Publication

EP 3350506 B1 20231115 (FR)

Application

EP 16770716 A 20160914

Priority

- FR 1558605 A 20150915
- EP 2016071681 W 20160914

Abstract (en)

[origin: WO2017046157A1] The invention relates to an automotive vehicle light-beam-projecting device comprising at least one light source (2) able to emit light rays, a projecting optical system with an exit pupil located on an exit optical element, the optical system being able to project a light beam, characterised in that it comprises a digital screen (4) configured to direct at least some of the incident light rays emitted by at least one source (2) toward said projecting optical system, the device (1) furthermore comprising means (5) for focusing the light rays emitted by the at least one light source (2) onto a zone (6) of the digital screen (4), and an intermediate assembly (9) for projecting the light rays coming from the digital screen (4) and configured to illuminate the area of the exit pupil.

IPC 8 full level

F21S 41/16 (2018.01); **F21S 41/176** (2018.01); **F21S 41/265** (2018.01); **F21S 41/33** (2018.01)

CPC (source: EP US)

F21S 41/16 (2017.12 - EP US); **F21S 41/176** (2017.12 - EP US); **F21S 41/25** (2017.12 - US); **F21S 41/265** (2017.12 - EP US); **F21S 41/33** (2017.12 - EP US); **F21S 41/675** (2017.12 - US)

Citation (examination)

- EP 0911666 A2 19990428 - TEXAS INSTRUMENTS INC [US]
- JP 2013054963 A 20130321 - KOITO MFG CO LTD
- EP 0547493 A1 19930623 - TEXAS INSTRUMENTS INC [US]

Cited by

EP3491292B1

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)

FR 3041073 A1 20170317; **FR 3041073 B1 20200131**; CN 108291704 A 20180717; CN 108291704 B 20201229; EP 3350506 A1 20180725; EP 3350506 B1 20231115; US 10591130 B2 20200317; US 2018259148 A1 20180913; WO 2017046157 A1 20170323

DOCDB simple family (application)

FR 1558605 A 20150915; CN 201680066394 A 20160914; EP 16770716 A 20160914; EP 2016071681 W 20160914; US 201615760049 A 20160914