

Title (en)

LIDAR DEVICE FOR SCANNING A SCANNING REGION WITH MINIMISED INSTALLATION SPACE REQUIREMENTS

Title (de)

LIDAR-VORRICHTUNG ZUM ABTASTEN EINES ABTASTBEREICHES MIT MINIMIERTEM BAURAUMBEDARF

Title (fr)

DISPOSITIF LIDAR POUR BALAYER UNE ZONE DE BALAYAGE À ENCOMBREMENT RÉDUIT AU MINIMUM

Publication

EP 3631498 A1 20200408 (DE)

Application

EP 18726456 A 20180522

Priority

- DE 102017208896 A 20170526
- EP 2018063295 W 20180522

Abstract (en)

[origin: WO2018215407A1] The invention relates to a LIDAR device for scanning a scanning region with at least one beam, comprising at least one beam source for generating the at least one beam and for coupling the at least one beam into at least one optical waveguide, a deflection device for deflecting the at least one beam into the scanning region, and comprising a receiver unit for receiving at least one beam reflected on an object and for deflecting the at least one reflected beam onto a detector, wherein the deflection device has a holographic optical element and a spatial light modulator.

IPC 8 full level

G01S 7/481 (2006.01); **G01S 17/89** (2020.01)

CPC (source: EP US)

G01S 7/4814 (2013.01 - EP US); **G01S 7/4817** (2013.01 - EP); **G01S 17/42** (2013.01 - EP)

Citation (search report)

See references of WO 2018215407A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102017208896 A1 20181129; EP 3631498 A1 20200408; WO 2018215407 A1 20181129

DOCDB simple family (application)

DE 102017208896 A 20170526; EP 18726456 A 20180522; EP 2018063295 W 20180522