

Title (en)

TRANSMISSION UNIT AND LIDAR DEVICE HAVING OPTICAL HOMOGENISER

Title (de)

SENDEEINHEIT UND LIDAR-VORRICHTUNG MIT OPTISCHEM HOMOGENISIERER

Title (fr)

UNITÉ DE TRANSMISSION ET DISPOSITIF LIDAR AYANT UN HOMOGENÉISATEUR OPTIQUE

Publication

EP 4078216 A1 20221026 (DE)

Application

EP 20808323 A 20201116

Priority

- DE 102019219825 A 20191217
- EP 2020082189 W 20201116

Abstract (en)

[origin: WO2021121818A1] The invention relates to a transmission unit of a LIDAR device, comprising at least one beam source for generating electromagnetic beams having a linear or rectangular cross-section and comprising transmission optics, wherein the transmission unit has an optical homogeniser which is arranged in a beam path of the generated beams in front of or behind the transmission optics and has at least one lens array. The invention also relates to a LIDAR device.

IPC 8 full level

G01S 7/481 (2006.01); **G01S 17/08** (2006.01)

CPC (source: EP KR US)

G01S 7/4815 (2013.01 - EP KR US); **G01S 17/10** (2013.01 - KR); **G01S 17/42** (2013.01 - KR); **G01S 17/894** (2020.01 - EP KR); **G01S 17/931** (2020.01 - EP KR); **G02B 27/0927** (2013.01 - US); **G02B 27/0961** (2013.01 - US); **G02B 27/0966** (2013.01 - US); **G01S 17/10** (2013.01 - EP); **G01S 17/42** (2013.01 - EP)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102019219825 A1 20210617; CN 114868031 A 20220805; EP 4078216 A1 20221026; JP 2023506280 A 20230215; JP 7354451 B2 20231002; KR 20220110573 A 20220808; US 2023003843 A1 20230105; WO 2021121818 A1 20210624

DOCDB simple family (application)

DE 102019219825 A 20191217; CN 202080088334 A 20201116; EP 2020082189 W 20201116; EP 20808323 A 20201116; JP 2022536978 A 20201116; KR 20227024055 A 20201116; US 202017780870 A 20201116