

Title (en)

LIDAR SYSTEM WITH VARIABLE RESOLUTION MULTI-BEAM SCANNING

Title (de)

LIDAR-SYSTEM MIT MEHRSTRAHLABTASTUNG MIT VARIABLER AUFLÖSUNG

Title (fr)

SYSTÈME LIDAR À BALAYAGE À FAISCEAUX MULTIPLES À RÉOLUTION VARIABLE

Publication

EP 4211492 A2 20230719 (EN)

Application

EP 21810084 A 20210914

Priority

- US 202063077933 P 20200914
- US 202063081024 P 20200921
- US 202063081646 P 20200922
- US 202163173426 P 20210411
- IB 2021000581 W 20210824
- IB 2021000698 W 20210914

Abstract (en)

[origin: WO2022053874A2] A LIDAR system may include a laser emission unit configured to generate a plurality of laser beams. The LIDAR system may also include an optical system configured to transmit the plurality of laser beams from the laser emission unit to a common scanning unit. The common scanning unit may be configured to project the plurality of laser beams toward a field of view of the LIDAR system to simultaneously scan the field of view along a plurality of scan lines traversing the field of view.

IPC 8 full level

G01S 7/481 (2006.01); **G01S 7/484** (2006.01); **G01S 7/4911** (2020.01); **G01S 17/06** (2006.01); **G01S 17/931** (2020.01)

CPC (source: EP KR)

G01S 7/4817 (2013.01 - EP KR); **G01S 7/484** (2013.01 - EP KR); **G01S 7/4911** (2013.01 - EP KR); **G01S 17/06** (2013.01 - EP KR); **G01S 17/931** (2020.01 - EP KR); **B60W 2420/408** (2024.01 - KR)

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

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KH MA MD TN

DOCDB simple family (publication)

WO 2022053874 A2 20220317; **WO 2022053874 A3 20220512**; CN 116235072 A 20230606; EP 4211492 A2 20230719; JP 2023541098 A 20230928; KR 20230067621 A 20230516

DOCDB simple family (application)

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