Title (en)

LIDAR SENSOR, IN PARTICULAR A VERTICAL FLASH LIDAR SENSOR

Title (de)

LIDAR-SENSOR, INSBESONDERE VERTICAL FLASH LIDAR-SENSOR

Title (fr)

CAPTEUR LIDAR, EN PARTICULIER CAPTEUR LIDAR À FLASH VERTICAL

Publication

**EP 4172650 A1 20230503 (DE)**

Application

**EP 21735214 A 20210617**

Priority

- DE 102020208104 A 20200630
- EP 2021066450 W 20210617

Abstract (en)

[origin: WO2022002616A1] The invention specifies a lidar sensor, in particular a vertical flash lidar sensor, having a laser source, which is designed to emit a laser signal into a transmission path, and having a pixel detector, which has at least one macropixel array (1, 2), which is designed to detect a reflected laser signal in a receiving path. The pixel detector here is designed to evaluate at least two macropixel arrays (1, 2) at each of its measuring points.

IPC 8 full level

**G01S 7/4863** (2020.01); **G01S 7/486** (2020.01); **G01S 7/4914** (2020.01); **G01S 17/10** (2020.01); **G01S 17/42** (2006.01); **G01S 17/89** (2020.01); **G01S 17/894** (2020.01)

CPC (source: EP US)

**G01S 7/4863** (2013.01 - EP); **G01S 7/4868** (2013.01 - EP); **G01S 7/4914** (2013.01 - US); **G01S 17/10** (2013.01 - EP); **G01S 17/42** (2013.01 - EP US); **G01S 17/89** (2013.01 - EP); **G01S 17/894** (2020.01 - US)

Citation (search report)

See references of WO 2022002616A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102020208104 A1 20211230**; CN 115735131 A 20230303; EP 4172650 A1 20230503; US 2023152462 A1 20230518; WO 2022002616 A1 20220106

DOCDB simple family (application)

**DE 102020208104 A 20200630**; CN 202180046894 A 20210617; EP 2021066450 W 20210617; EP 21735214 A 20210617; US 202117917321 A 20210617