Title (en)
FILTERING MEASUREMENT DATA OF AN ACTIVE OPTICAL SENSOR SYSTEM

Title (de)
FILTERUNG VON MESSDATEN EINES AKTIVEN OPTISCHEN SENSORSYSTEMS

Title (fr)
FILTRAGE DES DONNÉES DE MESURE D'UN SYSTÈME CAPTEUR OPTIQUE ACTIF

Publication
EP 4049061 A1 20220831 (DE)

Application
EP 20792342 A 20201012

Priority
• DE 102019128907 A 20191025
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Abstract (en)
[origin: WO2021078557A1] According to a method for filtering measurement data of a sensor system (2), light pulses (5) reflected in the surroundings of the sensor system (2) are captured by an array (7) of optical detectors (8, 9, 10). The array (7) generates a plurality of measurement signals (11, 12) on the basis of the captured light pulses. A first measurement signal (11) is identified by a processor (3), the pulse energy of which signal is greater than a predefined minimum energy, wherein the first measurement signal (11) was generated by a first detector (8). Using the processor (3), a second measurement signal (12) is compared with the first measurement signal (11), wherein the second measurement signal (12) was generated by a second detector (9) which is at a distance from the first detector (8) that is smaller than or equal to a predefined maximum distance. The processor discards at least part of the second measurement signal on the basis of a result of the comparison.

IPC 8 full level
G01S 17/10 (2020.01); **G01S 7/487** (2006.01); **G01S 17/931** (2020.01)

CPC (source: EP KR US)
G01R 29/023 (2013.01 - US); **G01S 7/4876** (2013.01 - EP KR US); **G01S 17/10** (2013.01 - EP KR US); **G01S 17/931** (2020.01 - EP KR US)

Citation (search report)
See references of WO 2021078557A1

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BA ME

DOCDB simple family (publication)
DE 102019128907 A1 20210429; CN 114746772 A 20220712; EP 4049061 A1 20220831; KR 20220084173 A 20220621; US 2022373660 A1 20221124; WO 2021078557 A1 20210429

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