

Title (en)

METHOD FOR ASSIGNING INFORMATION CHANNELS OF AT LEAST TWO SENSORS, EACH MOUNTED IN DEFINED MOUNTING POSITIONS RELATIVE TO ONE ANOTHER, TO A DETECTION DEVICE

Title (de)

VERFAHREN ZUR ZUORDNUNG VON INFORMATIONSKANÄLEN VON WENIGSTENS ZWEI JEWEILS IN DEFINIERTEN MONTAGEPOSITIONEN RELATIV ZUEINANDER MONTIEREN SENSOREN EINER DETEKTIONSVORRICHTUNG

Title (fr)

PROCÉDÉ D'ATTRIBUTION DE CANAUX D'INFORMATION D'AU MOINS DEUX CAPTEURS, MONTÉS CHACUN DANS DES POSITIONS DE MONTAGE DÉFINIES L'UN PAR RAPPORT À L'AUTRE, À UN DISPOSITIF DE DÉTECTION

Publication

**EP 4370952 A1 20240522 (DE)**

Application

**EP 22743755 A 20220629**

Priority

- DE 102021117909 A 20210712
- EP 2022067829 W 20220629

Abstract (en)

[origin: WO2023285141A1] The invention relates to a method for assigning information channels (28) of at least two sensors (16), each mounted in defined mounting positions (38) relative to one another, to a detection device (12) by at least one control device (24) of the detection device (12). At least one scanning signal (34) is transmitted by at least one of the sensors (16). At least one echo signal (36) of at least one scanning signal (34) reflected on at least one object target (21) is received by at least two sensors (16). For at least two of the sensors (16) and the respective information channels (38) thereof, by means of the respectively received echo signals (36) at least one associated sensor direction variable (40) is determined, which characterises at least one direction of at least one object target (21) detected by the associated sensor (16) relative to a sensor reference area (32) of the associated sensor (16). At least one sensor structure (44) for at least some of the information channels (28) of the at least two sensors (16) is determined in each case by means of at least one sensor direction variable (40), said sensor structure characterising the relative positions of the at least two sensors (16) in relation to one another. At least one sensor structure (44) and at least one position structure (46) are compared. The at least one position structure (46) characterises relative positions of at least some of the defined mounting positions (38) in relation to one another. As a result of the comparison at least one information channel (28) is assigned to at least one of the mounting positions (38) of the sensors (16).

IPC 8 full level

**G01S 13/931** (2020.01); **G01S 7/40** (2006.01); **G01S 13/00** (2006.01); **G01S 13/87** (2006.01)

CPC (source: EP US)

**G01S 7/403** (2021.05 - US); **G01S 7/4086** (2021.05 - EP); **G01S 7/4091** (2021.05 - US); **G01S 13/003** (2013.01 - EP); **G01S 13/878** (2013.01 - EP); **G01S 13/931** (2013.01 - EP US); **G01S 7/403** (2021.05 - EP); **G01S 2013/93275** (2020.01 - 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 102021117909 A1 20230112**; CN 117716259 A 20240315; EP 4370952 A1 20240522; US 2024319333 A1 20240926; WO 2023285141 A1 20230119

DOCDB simple family (application)

**DE 102021117909 A 20210712**; CN 202280049324 A 20220629; EP 2022067829 W 20220629; EP 22743755 A 20220629; US 202218578311 A 20220629