

Title (en)

SENSOR SYSTEM AND METHOD FOR OPERATING A SENSOR SYSTEM

Title (de)

SENSORSYSTEM UND VERFAHREN ZUM BETRIEB EINES SENSORSYSTEMS

Title (fr)

SYSTÈME DE DÉTECTION ET PROCÉDÉ POUR FAIRE FONCTIONNER UN SYSTÈME DE DÉTECTION

Publication

**EP 4022749 A1 20220706 (DE)**

Application

**EP 21749091 A 20210622**

Priority

- DE 102020211083 A 20200902
- DE 2021200084 W 20210622

Abstract (en)

[origin: WO2022048712A1] The invention relates to a sensor system comprising a distance sensor (1) for measuring the distance between two objects (3, 4) that are movable relative to each other and a magnetic field sensor (2) for measuring a magnetic field between the objects (3, 4), in particular for measuring a gap width and a magnetic field between a rotor and a stator, and comprising a selection device (13), wherein alternatively a measurement signal from the distance sensor (1) or a measurement signal from the magnetic field sensor (2) is suppliable, by way of the selection device (13), to further processing. Moreover, a method for operating a sensor system is described.

IPC 8 full level

**H02K 11/20** (2016.01)

CPC (source: EP US)

**G01B 7/30** (2013.01 - US); **G01R 33/093** (2013.01 - US); **G01R 33/096** (2013.01 - US); **H02K 11/20** (2016.01 - EP US)

Citation (search report)

See references of WO 2022048712A1

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

DOCDB simple family (publication)

**DE 102020211083 A1 20220303**; CN 114902540 A 20220812; EP 4022749 A1 20220706; US 2023188009 A1 20230615; WO 2022048712 A1 20220310

DOCDB simple family (application)

**DE 102020211083 A 20200902**; CN 202180007744 A 20210622; DE 2021200084 W 20210622; EP 21749091 A 20210622; US 202117793543 A 20210622