

Title (en)

ANTENNA DEVICE FOR A MOBILE RADIO DEVICE

Title (de)

ANTENNENVORRICHTUNG FÜR EINE MOBILFUNKEINRICHTUNG

Title (fr)

DISPOSITIF D'ANTENNE POUR DISPOSITIF RADIO MOBILE

Publication

**EP 4179279 A1 20230517 (DE)**

Application

**EP 22753999 A 20220726**

Priority

- DE 102021208078 A 20210727
- DE 2022200171 W 20220726

Abstract (en)

[origin: WO2023006163A1] The invention relates to a sensor (1) for distance and/or position measurement, having an essentially cylindrical housing (2) and a sensor element operating according to the inductive, capacitive or eddy current principle, which sensor element is at least partially arranged in the housing (2), characterized in that at least one fastening region (3) is formed on the surface of the housing (2), which fastening region extends in the circumferential direction around the housing (2) and is designed as an elevation or a recess, wherein the housing (2) is connectable in a force-fitting manner exclusively with the fastening region (3) to a fastening device (9). The invention further relates to a system comprising such a sensor (1) and a fastening device (9).

IPC 8 full level

**G01D 3/028** (2006.01); **G01B 7/14** (2006.01); **G01D 11/30** (2006.01)

CPC (source: EP)

**G01B 5/0014** (2013.01); **G01B 7/023** (2013.01); **G01D 3/028** (2013.01); **G01D 11/30** (2013.01)

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 102021208078 A1 20230202**; CN 117677821 A 20240308; EP 4179279 A1 20230517; WO 2023006163 A1 20230202

DOCDB simple family (application)

**DE 102021208078 A 20210727**; CN 202280051176 A 20220726; DE 2022200171 W 20220726; EP 22753999 A 20220726