

Title (en)
SENSOR DEVICE AND EXPANSION MODULE

Title (de)
SENSORVORRICHTUNG UND ERWEITERUNGSMODUL

Title (fr)
DISPOSITIF DE CAPTEUR ET MODULE D'EXPANSION

Publication
EP 4078552 A1 20221026 (DE)

Application
EP 19831732 A 20191220

Priority
EP 2019086707 W 20191220

Abstract (en)
[origin: WO2021121626A1] The invention relates to a sensor device (100) for ascertaining process variables in the industrial field, having a sensor base unit (101) and a first expansion module (120). The sensor base unit (101) has the following components: a process variable ascertaining unit (103) for ascertaining the process variable, a first mechanical interface (111) for mechanically receiving a first expansion module (120), and a first communication interface (112) for interfacing with the first expansion module (120) in order to transmit measurement and/or control data. The first expansion module (120) has a second mechanical interface (121) for interfacing with the sensor base unit (101), a third mechanical interface (131) for mechanically receiving a second expansion module (140), a second communication interface (122) for interfacing with the sensor base unit (101) in order to transmit measurement and/or control data, and a third communication interface (132) for interfacing with the second expansion module (140) in order to transmit measurement and/or control data.

IPC 8 full level
G08C 19/00 (2006.01); **G01D 21/00** (2006.01); **G05B 19/02** (2006.01)

CPC (source: EP US)
G01D 21/00 (2013.01 - EP); **G01D 21/02** (2013.01 - US); **G05B 19/0428** (2013.01 - US); **G08C 19/00** (2013.01 - EP US); **G05B 19/0428** (2013.01 - EP); **G05B 2219/25428** (2013.01 - EP); **G05B 2219/50193** (2013.01 - US)

Citation (search report)
See references of WO 2021121626A1

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)
WO 2021121626 A1 20210624; CN 114981851 A 20220830; EP 4078552 A1 20221026; US 2023024136 A1 20230126

DOCDB simple family (application)
EP 2019086707 W 20191220; CN 201980103450 A 20191220; EP 19831732 A 20191220; US 201917787502 A 20191220