

Title (en)
ELECTRONIC FIELD DEVICE

Title (de)
FELDGERÄT-ELEKTRONIK

Title (fr)
ÉLECTRONIQUE D'APPAREIL DE TERRAIN

Publication
EP 3701611 A1 20200902 (DE)

Application
EP 18772790 A 20180917

Priority
• DE 102017125129 A 20171026
• EP 2018075022 W 20180917

Abstract (en)
[origin: WO2019081127A1] The invention relates to a device for determining and/or monitoring at least one process variable of a medium in a container, comprising at least one sensor unit and an electronic unit (1) which comprises a transceiver unit (2) and a transceiver protection unit (7) for limiting an input voltage (UTE) of the transceiver unit (2) to a specifiable transceiver voltage value. According to the invention, the transceiver protection unit (7) comprises a first limiting unit (9) and a transistor unit (8) with at least one transistor (8a), wherein the transistor unit (8) is connected in series with the transceiver unit (2), and the first limiting unit (9) is connected in parallel with the transceiver unit (2) and is connected to a control connection of the transistor (8a). If a supply voltage for the electronic unit (1) exceeds a specifiable threshold, the first limiting unit (9) is designed to control an input voltage for the control connection of the transistor (8a) to a specifiable control value such that the input voltage (UTE) of the transceiver unit (2) is limited to the first specifiable transceiver voltage value.

IPC 8 full level
G05F 1/571 (2006.01); **H02H 9/04** (2006.01); **H02H 11/00** (2006.01)

CPC (source: EP US)
G01D 11/245 (2013.01 - US); **G05F 1/571** (2013.01 - EP US); **G05F 3/18** (2013.01 - EP US); **H02H 9/008** (2013.01 - US); **H02H 9/04** (2013.01 - EP US); **H02H 11/002** (2013.01 - EP US)

Citation (search report)
See references of WO 2019081127A1

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)
WO 2019081127 A1 20190502; CN 111527662 A 20200811; CN 111527662 B 20220812; DE 102017125129 A1 20190502; EP 3701611 A1 20200902; US 11233392 B2 20220125; US 2020287381 A1 20200910

DOCDB simple family (application)
EP 2018075022 W 20180917; CN 201880068442 A 20180917; DE 102017125129 A 20171026; EP 18772790 A 20180917; US 201816759586 A 20180917