

Title (en)

MODULAR MEASURING TRANSDUCER PROVIDED WITH A GALVANICALLY SEPARATED SENSOR

Title (de)

MODULARER MESSUMFORMER MIT GALVANISCH GETRENNTEN MESSFÜHLER

Title (fr)

TRANSDUCTEUR DE MESURE MODULAIRE A CAPTEUR GALVANIQUEMENT SEPRE

Publication

EP 1565898 A2 20050824 (DE)

Application

EP 03780057 A 20031126

Priority

- DE 10255741 A 20021128
- EP 0313272 W 20031126

Abstract (en)

[origin: WO2004049281A2] The inventive modular measuring transducer (1a, 1b) is used for galvanic separation of the modules of said transducer and for avoiding the use of data transmission channels and comprises a sensor module (7a, 7b) for detecting a measured value, and an electronic module (8a, 8b). Said sensor module (7a, 7b) and electronic module (8a, 8b) are connected to each other by means of a contactless interface (11a, 11b, 12a, 12b), thereby making it possible to power the sensor module (7a, 7b) and to carry out the data exchange between the sensor module and the electronic module. In addition, said electronic module comprises a receiver-transmitter (9a, 9b) for wireless data interchange with an additional transmitting or receiving-transmitting station (2).

IPC 1-7

G08C 19/02; G05B 19/418

IPC 8 full level

G08C 17/00 (2006.01)

CPC (source: EP US)

G08C 17/00 (2013.01 - EP US)

Citation (search report)

See references of WO 2004049281A2

Cited by

EP4450962A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004049281 A2 20040610; **WO 2004049281 A3 20040819**; AT E454686 T1 20100115; AU 2003288170 A1 20040618; AU 2003288170 A8 20040618; DE 10255741 A1 20040609; DE 50312327 D1 20100225; EP 1565898 A2 20050824; EP 1565898 B1 20100106; US 2006125625 A1 20060615

DOCDB simple family (application)

EP 0313272 W 20031126; AT 03780057 T 20031126; AU 2003288170 A 20031126; DE 10255741 A 20021128; DE 50312327 T 20031126; EP 03780057 A 20031126; US 53632605 A 20051130