

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  
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• 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  
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IPC 8 full level  
**G08C 17/00** (2006.01)

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Citation (search report)  
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