

Title (en)
SENSOR DEVICE FOR DETECTING A PHYSICAL MEASURED QUANTITY

Title (de)
SENSOREINRICHTUNG ZUR ERFASSUNG EINER PHYSIKALISCHEN MESSGRÖSSE

Title (fr)
DISPOSITIF CAPTEUR PERMETTANT DE DETECTER UNE VARIABLE PHYSIQUE A MESURER

Publication
EP 1141658 A2 20011010 (DE)

Application
EP 99967940 A 19991215

Priority
• DE 19859828 A 19981223
• EP 9909943 W 19991215

Abstract (en)
[origin: DE19859828A1] The invention relates to a sensor device for detecting a physical measured quantity which comprises at least one sensor element, means that influence said element, and a circuit with an output via which the measured value is output as a digitally or analog coded signal. Using a sensor device of this type should solve the technical problem of making information externally accessible at any time in order to evaluate the current tolerance situation. To this end, the invention provides that, in addition to the primary output signal which represents the measured value, another physical quantity which occurs in the sensor device is made available as a secondary signal for subsequent control and testing devices. Said additional physical quantity is utilized for detecting the desired measured quantity and, according to the value thereof, makes it possible to deduce the tolerance situation of the system.

IPC 1-7
G01D 3/08; **G01P 21/02**

IPC 8 full level
G01D 3/08 (2006.01); **G01D 18/00** (2006.01); **G01D 21/00** (2006.01); **G01P 21/02** (2006.01)

CPC (source: EP US)
G01D 3/08 (2013.01 - EP US); **G01P 21/02** (2013.01 - EP US)

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
DE 19859828 A1 20000706; AU 2431700 A 20000731; EP 1141658 A2 20011010; JP 2002533707 A 20021008; US 6867581 B1 20050315; WO 0039530 A1 20000706; WO 0039530 B1 20001019

DOCDB simple family (application)
DE 19859828 A 19981223; AU 2431700 A 19991215; EP 9909943 W 19991215; EP 99967940 A 19991215; JP 2000591384 A 19991215; US 85755101 A 20010606