

Title (en)

METHOD FOR MONITORING A MAGNETICALLY INDUCTIVE FLOW MEASURING SENSOR

Title (de)

VERFAHREN ZUR FUNKTIONS]BERWACHUNG EINES MAGNETISCH INDUKTIVEN DURCHFLUSSMESSAUFNEHMERS

Title (fr)

PROCEDE DE SURVEILLANCE DU FONCTIONNEMENT D'UN CAPTEUR A INDUCTION MAGNETIQUE D'UN DEBITMETRE

Publication

EP 1817553 A1 20070815 (DE)

Application

EP 05815598 A 20051125

Priority

- EP 2005056223 W 20051125
- DE 102004057680 A 20041129

Abstract (en)

[origin: DE102004057680A1] The method involves generating a temporally changing magnetic field by a coil (3) of a flow rate sensor, where the coil serves as a magnetic field generator. The sensor function is monitored based on a receive signal induced by the field in another coil (5) serving as the receiver. The induced voltage is proportional to a cross section of a measuring tube via which medium whose flow rate is to be measured flows. An independent claim is also included for a magnetically inductive flow rate sensor.

IPC 8 full level

G01F 1/58 (2006.01); **G01F 1/60** (2006.01); **G01F 25/00** (2006.01)

CPC (source: EP US)

G01F 1/588 (2013.01 - EP US); **G01F 1/60** (2013.01 - EP US); **G01F 25/10** (2022.01 - EP US)

Citation (search report)

See references of WO 2006058862A1

Cited by

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DOCDB simple family (publication)

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