

Title (en)

METHOD FOR MONITORING AN ULTRASONIC FLOW METER

Title (de)

VERFAHREN ZUR ÜBERWACHUNG EINES ULTRASCHALLDURCHFLUSSMESSERS

Title (fr)

PROCÉDÉ DE SURVEILLANCE D'UN DÉBITMÈTRE À ULTRASONS

Publication

**EP 3436787 A1 20190206 (EN)**

Application

**EP 16711960 A 20160331**

Priority

EP 2016057168 W 20160331

Abstract (en)

[origin: WO2017167389A1] The current invention relates to a method for monitoring an ultrasonic flow meter (1) comprising the steps of generating a reference fingerprint comprising one or more initial system parameters of the ultrasonic flow meter (1) and comparing the generated reference fingerprint to the same system parameters being currently measured when the ultrasonic flow meter (1) is in use. According to the invention, a reference digital sample of an initial ultrasonic signal is generated in order to generate data for the reference fingerprint, the initial ultrasonic signal being sent and received by the ultrasonic flow meter (1) and the sent (Tx) and/or the received (Rx) initial ultrasonic signal being digitally sampled by the ultrasonic flow meter (1) so as to obtain a Tx and/or Rx reference digital sample, respectively. This allows easy monitoring of the ultrasonic flow meter (1).

IPC 8 full level

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CPC (source: EP)

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