Title (en)

METHOD FOR PROCESSING MEASUREMENT SIGNALS FROM A VORTEX VELOCITY FLOW SENSOR

Title (de)

VERFAHREN ZUR SIGNALVERARBEITUNG FÜR MESSSIGNALE EINES WIRBELDURCHFLUSSMESSAUFNEHMERS

Title (fr)

PROCÉDÉ POUR LE TRAITEMENT DE SIGNAUX DE MESURE D'UN ENREGISTREUR DE MESURE DE DÉBIT DE COURANTS DE FOUCAULT

Publication

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Application

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Abstract (en)

[origin: WO2007131918A1] The invention describes a method for processing measurement signals (U_S) from a vortex velocity flow sensor for measuring a flow of a medium through a measuring tube (1), said flow sensor having an accumulator body (3) which is arranged in the measuring tube (1) and a sensor (5) for detecting pressure fluctuations which occur in the region of the accumulator body (3) and for converting these pressure fluctuations into an electrical measurement signal (U_S), with a small demand for computing power and storage space, in which at least part of the measurement signal (U_S) is sampled and digitized, an autocorrelation (AK(T)) of the digitized measurement signal (U_S) is calculated, and the flow is derived using at least one property of the autocorrelation (AK(T)).

IPC 8 full level

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CPC (source: EP US)

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