

Title (en)

METHOD FOR MEASURING THE FLOW RATE OF A FLUID IN A PIPE

Title (de)

VERFAHREN ZUR MESSUNG DER DURCHFLUSSRATE EINES FLUIDS IN EINER LEITUNG

Title (fr)

PROCÉDÉ DE MESURE DE DÉBIT D'UN FLUIDE DANS UNE CANALISATION

Publication

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Application

EP 21793981 A 20210921

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Abstract (en)

[origin: WO2022064133A1] The invention relates to a method for measuring the flow rate of a fluid in a pipe using at least two ultrasonic transducers, the method comprising a succession of cycles (35) of transmissions, each comprising a sub-cycle A in which an ultrasonic wave is transmitted by a first transducer and a sub-cycle B in which an ultrasonic wave is transmitted by a second transducer, wherein the propagation times of these two waves are measured, wherein the order between the sub-cycle A and the sub-cycle B is reversed between the successive transmission cycles, and a flow rate is calculated from an average of: o a difference between the two measured propagation times of a given transmission cycle, and o a difference between the two measured propagation times of a second transmission cycle following the given transmission cycle.

IPC 8 full level

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