

Title (en)

MEASURING DEVICE FOR MEDIA-INDEPENDENT MEASURING OF A FLOW RATE OF A MEDIUM

Title (de)

MESSEINRICHTUNG ZUM MEDIENUNABHÄNGIGEN MESSEN EINER STRÖMUNGSGESCHWINDIGKEIT EINES MEDIUMS

Title (fr)

DISPOSITIF DE MESURE POUR LA MESURE, DEPENDANT DU MILIEU, DE LA VITESSE D'ECOULEMENT D'UN MILIEU

Publication

EP 1904814 A1 20080402 (DE)

Application

EP 05761896 A 20050721

Priority

EP 2005007961 W 20050721

Abstract (en)

[origin: WO2007009478A1] Measuring device for the media-independent measuring of a flow rate of a medium (138), which may also be a multi-component or heterogeneous medium, a signal generating unit (130) generating a transmitted signal (42) on the basis of a reference signal (152A) of a signal generator (152) and transmitting it via the flowing medium (138) by means of a stimulator (132). The signal is received by a sensor (134) and passed on to an evaluation unit (136), which is designed to determine a signal transmission time on the basis of a number of points respectively corresponding to one another of a signal profile of the received signal (44) and of the signal profile corresponding to the reference signal (152A) and to determine the flow rate of the medium (138) on the basis of the signal transmission time and the given distance between the stimulator (132) and the sensor (134).

IPC 8 full level

G01F 1/7084 (2022.01); **G01F 1/712** (2006.01)

CPC (source: EP US)

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Citation (search report)

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DE

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