Title (en)

METHOD FOR MEASURING THE FLOW OF A LIQUID MEDIUM HAVING VARIABLE GAS CONTENT, ON THE BASIS OF A DIFFERENTIAL-PRESSURE MEASUREMENT

Title (de)

VERFAHREN ZUR DURCHFLUSSMESSUNG EINES FLÜSSIGEN MEDIUMS MIT VERÄNDERLICHER GASBELADUNG AUF BASIS EINER DIFFERENZDRUCKMESSUNG

Title (fr)

PROCÉDÉ PERMETTANT DE MESURER L'ÉCOULEMENT D'UN MILIEU LIQUIDE PRÉSENTANT UNE TENEUR EN GAZ VARIABLE SUR LA BASE D'UNE MESURE DE PRESSION DIFFÉRENTIELLE

Publication

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Application

EP 20816979 A 20201201

Priority

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- EP 2020084116 W 20201201

Abstract (en)

[origin: WO2021121970A1] The invention relates to a method (100) measuring the flow of a liquid medium having variable gas content, on the basis of a differential-pressure measurement by means of a differential-pressure-generating primary element, through which the medium flows, which method comprises: ascertaining a differential-pressure measurement value (110) between two measurement points of the differential-pressure-generating primary element; ascertaining a flow regime (120); ascertaining a flow rate measurement value according to the differential-pressure measurement value and the flow regime (140), the flow rate measurement value being ascertained by ascertaining a provisional flow rate measurement value on the basis of the differential-pressure measurement value under the assumption of a first flow region, which provisional flow rate measurement value is corrected if a second flow regime different from the first flow regime is determined.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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