

Title (en)

METHOD AND DEVICE FOR DETERMINING AN AVERAGE PARAMETER OF A FLUID IN A CLOSABLE CONTAINER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG EINES DURCHSCHNITTlichen PARAMETERS EINES FLUIDS IN EINEM VERSCHLIESSBAREN BEHÄLTER

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR DÉTERMINER UN PARAMÈTRE MOYEN D'UN FLUIDE DANS UN RÉCIPIENT POUVANT ÊTRE FERMÉ

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Application

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Priority

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Abstract (en)

[origin: WO2014194958A1] A method for determining an average temperature of a fluid in a closable container (1) comprising: providing a duct (4) with first opening (11a) and second opening (11b), positioning a flow preventing element (7) in the duct (4), positioning a density sensor (3) or first pressure sensor (3) inside the duct (4) or container (1), attaching the duct (4) to a container outside wall, stabilizing a temperature of the duct wall (10) to a constant reference value, determining a difference between a first pressure of the fluid on one side and a second pressure of the fluid on the other side of the flow preventing element (7), measuring a local density of the fluid by the density sensor (3) and/or a local pressure by the first pressure sensor (3), and deriving the average temperature from the local differential pressure, the local density and the reference duct temperature.

IPC 8 full level

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