

Title (en)

METHOD AND MIXING DEVICE FOR MIXING TWO FLUIDS, AND USE THEREOF

Title (de)

VERFAHREN UND MISCHVORRICHTUNG ZUM MISCHEN VON ZWEI FLUIDEN SOWIE DEREN VERWENDUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR MÉLANGER DEUX FLUIDES ET UTILISATION CORRESPONDANTE

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Application

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Abstract (en)

[origin: WO2012022324A1] The invention relates to a method for mixing two fluids, wherein the method has the following steps: generating a flow of a fluid along a flow duct (1), providing a pulsating/oscillating injection flow of a further fluid by virtue of the further fluid being conducted through a cavity structure of a passive microfluidic actuator device (2), the outlet of which is coupled via an injection device to the flow duct (1) and which is configured so as to generate the pulsating/oscillating injection flow with a pulsation/oscillation frequency in a self-inducing manner, and mixing the fluid and the further fluid by virtue of the pulsating/oscillating injection flow of the further fluid via the injection device being introduced into the flow of the fluid perpendicular to the flow direction of the fluid in the flow duct (1). Also provided is a device and the use of the method.

IPC 8 full level

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