

Title (en)

DEVICE AND METHOD FOR MIXING FLUIDS AND FOR PRODUCING A FLUID MIXTURE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM MISCHEN VON FLUIDEN UND ZUM ERZEUGEN EINES FLUIDGEMISCHES

Title (fr)

DISPOSITIF ET PROCÉDÉ DE MÉLANGE DE FLUIDES ET DE PRODUCTION D'UN MÉLANGE DE FLUIDES

Publication

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Application

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Abstract (en)

[origin: CA3216487A1] The invention relates to a device (1) for mixing fluids and for producing a fluid mixture, comprising - a mixing chamber (20) having a first inlet opening (201) via which a first fluid (7) can be introduced into the mixing chamber (20), a second inlet opening (2011) via which a second fluid (8) can be introduced into the mixing chamber (20), and an outlet opening (202) via which the fluid mixture (9) comprising the first fluid (7) and the second fluid (8) can be discharged; - a first supply unit (40), which is fluidically connected to the mixing chamber (20) via the first inlet opening (201) and is designed to carry the first fluid (7) along a first fluid flow direction (F1) into the mixing chamber (20); and - a second supply unit (50), which is fluidically connected to the mixing chamber (20) via the second inlet opening (2011) and is designed to carry the second fluid (8) along a second fluid flow direction (F2) into the mixing chamber (20). The first supply unit (40) comprises a fluidic component (10), comprising an outlet opening (102), which is fluidically connected to the first inlet opening (201) of the mixing chamber (20), and at least one means (104a, 104b) for specifically changing the direction of the first fluid (7) that flows through the fluidic component (10), in particular in order to cause an oscillation in space of the fluid (7) at the outlet opening (102).

IPC 8 full level

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