

Title (en)

MICROFLUIDIC DEVICE AND METHOD FOR PROCESSING A LIQUID

Title (de)

MIKROFLUIDISCHE VORRICHTUNG UND VERFAHREN ZUM PROZESSIEREN EINER FLÜSSIGKEIT

Title (fr)

DISPOSITIF MICROFLUIDIQUE ET PROCÉDÉ DESTINÉ À TRAITER UN LIQUIDE

Publication

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Application

EP 19714149 A 20190322

Priority

- DE 102018204633 A 20180327
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Abstract (en)

[origin: WO2019185480A1] The invention relates to a microfluidic device (100) for processing a liquid (105). The microfluidic device (100) has at least one pneumatic substrate (110) with a pneumatic cavity (115) and a fluidic substrate (120) with a fluidic cavity (125) for accommodating the liquid (105). The fluidic cavity (125) is arranged opposite the pneumatic cavity (115). In addition, the microfluidic device (100) has a flexible membrane (130) which is arranged between the pneumatic substrate (110) and the fluidic substrate (120). The flexible membrane (130) is designed to fluidically separate, from one another, a fluidic chamber (135) extending at least in part in the fluidic cavity (125) and a pneumatic chamber (140) extending at least in part in the pneumatic cavity (115). The microfluidic device (100) further comprises a first pneumatic channel (145) for applying a first pneumatic pressure to the pneumatic chamber (140) and a second pneumatic channel (150) for applying a second pneumatic pressure to the pneumatic chamber (140).

IPC 8 full level

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CPC (source: EP US)

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See references of WO 2019185480A1

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