

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

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Application
EP 19714149 A 20190322

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• 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).

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B01L 3/00 (2006.01)

CPC (source: EP US)
B01L 3/50273 (2013.01 - EP US); **B01L 2400/0481** (2013.01 - EP US)

Citation (search report)
See references of WO 2019185480A1

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