

Title (en)
DEVICE FOR RECEIVING AND DISCHARGING LIQUID SUBSTANCES

Title (de)
VORRICHTUNG ZUR AUFNAHME UND ABGABE VON FLÜSSIGEN SUBSTANZEN

Title (fr)
DISPOSITIF D'EXTRACTION ET D'EMISSION DE SUBSTANCES LIQUIDES

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Application
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Abstract (en)
[origin: WO0249763A2] The invention relates to a device for controlling the amount of liquid substances received and discharged. The aim of the invention is to produce a device, enabling a plurality of different liquid substances to be received and discharged from micro or nano titer plates. According to the invention, it is possible to carry out one or more chemical or biological reactions in said device and to receive liquid substances with differing viscosities, as a result of capillary channels (1) which are arranged at an equal distance from each other and are provided in a row, said channels being brought together in a communicative link with a chamber (2) which is impinged upon by high and low pressure, whereby the capillary channels (1) are embedded in the plate (3) and one sieve-type membrane (4) is associated with the ends of the capillary channels (11) on the inner side of the pressure chamber. According to the invention, an area (5) is provided above each end of the capillary channels for receiving a liquid substance. Said areas (5) are arranged separately from each other and are disposed inside the chamber (2) which can be impinged upon by high and low pressure.

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