

Title (en)

MICRO-FLUIDIC STRUCTURE AND METHOD FOR MEASURING AND/OR POSITIONING A LIQUID VOLUME

Title (de)

MIKROFLUIDISCHE STRUKTUR UND VERFAHREN ZUM ABMESSEN UND/ODER POSITIONIEREN EINES VOLUMENS EINER FLÜSSIGKEIT

Title (fr)

STRUCTURE MICROFLUIDIQUE ET PROCÉDÉ DE MESURE ET/OU DE POSITIONNEMENT DU VOLUME D'UN LIQUIDE

Publication

EP 2308597 B1 20161207 (DE)

Application

EP 10186100 A 20101001

Priority

DE 102009045404 A 20091006

Abstract (en)

[origin: EP2308597A2] The channel (10) has an end, and a gas and liquid permeable wall section arranged at the end of the channel, where the wall section provides a gas conduit (27). The channel is connected with a fluid pipeline at another end of the channel. A separating unit e.g. rotary valve, is arranged at the latter end, and a defined liquid volume is enclosed between the wall section and the separating unit in the channel. The gas and liquid permeable wall section is designed in the form of a membrane (26). The channel is closed or closeable on the former end. Independent claims are also included for the following: (1) a microfluidic structure in a substrate, comprising a measurement channel (2) a method for measuring and/or positioning volume of liquid in a microfluidic system.

IPC 8 full level

B01L 3/00 (2006.01)

CPC (source: EP US)

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Cited by

EP2842628A1; WO2022058267A1; US9440233B2; US9808802B2

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