Title (en)

METHOD FOR COMBINING TWO FLUID VOLUMES, FLUIDIC STRUCTURE AND MICROFLUIDIC CHIP FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUM VEREINIGEN ZWEIER FLÜSSIGKEITSVOLUMINA, FLUIDIKSTRUKTUR UND MIKROFLUIDISCHER CHIP ZUM AUSFÜHREN DES VERFAHRENS

Title (fr)

PROCÉDÉ POUR RASSEMBLER DEUX VOLUMES DE LIQUIDE, STRUCTURE FLUIDIQUE ET PUCE MICROFLUIDIQUE POUR RÉALISER LE PROCÉDÉ

Publication

EP 3268130 A1 20180117 (DE)

Application

EP 16722046 A 20160310

Priority

- DE 102015204235 A 20150310
- EP 2016000429 W 20160310

Abstract (en)

[origin: WO2016142067A1] The invention relates to a fluidic structure for controlling one or more fluids. A fluid line (12, 32, 62, 82, 122) has a holding region (20, 40, 70, 90) which extends in the direction of flow (13) in which region the fluid line has a narrow portion (24, 44, 74, 94, 134, 170) and laterally adjacent a wide portion (26, 46, 76, 96, 136, 172), the narrow portion, in at least a first direction perpendicular to the direction of flow, having a smaller wall distance he than the minimum wall distance hw of the wide portion. The invention further relates to a method for combining at least two fluid volumes, a first liquid (140) being conveyed through the fluid line to the narrow or the wide portion of the holding region, then a second liquid (150) which was previously separated from the first fluid by a buffer medium (146) being conveyed to the same portion while the buffer medium is conveyed out from the holding region through the wide or the narrow portion past the first fluid.

IPC 8 full level

B01L 3/00 (2006.01)

CPC (source: CN EP)

B01L 3/502746 (2013.01 - CN EP); **B01L 3/502784** (2013.01 - CN EP); B01L 2200/0673 (2013.01 - CN EP); B01L 2400/0406 (2013.01 - CN EP); B01L 2400/086 (2013.01 - CN EP)

Citation (search report)

See references of WO 2016142067A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102015204235 A1 20160915; **DE 102015204235 B4 20161215**; CN 107427832 A 20171201; CN 107427832 B 20201002; EP 3268130 A1 20180117; EP 3268130 B1 20210526; WO 2016142067 A1 20160915

DOCDB simple family (application)

DE 102015204235 A 20150310; CN 201680014413 A 20160310; EP 16722046 A 20160310; EP 2016000429 W 20160310