

Title (en)

METHOD FOR WASHING A MICROFLUIDIC CAVITY

Title (de)

VERFAHREN ZUM WASCHEN EINER MIKROFLUIDISCHEN KAVITÄT

Title (fr)

PROCÉDÉ DE LAVAGE D'UNE CAVITÉ MICROFLUIDIQUE

Publication

EP 2624954 A1 20130814 (DE)

Application

EP 11764212 A 20111004

Priority

- EP 10186833 A 20101007
- EP 2011067341 W 20111004
- EP 11764212 A 20111004

Abstract (en)

[origin: WO2012045754A1] Method for washing a cavity in a microfluidic component and a microfluidic component for carrying out the method. The invention relates to a method for washing at least one cavity (20') in a microfluidic component, wherein, in the cavity (20'), a first liquid (F1) is present and at least one second liquid (F2) is supplied to the cavity (20') for washing. According to the invention, an air bubble (L) is fed to the cavity (20') before supply of the washing liquid (F2). The air bubble (L) which virtually acts as a barrier layer between the first liquid (F1) and the following washing liquid (F2), makes possible a notable increase in washing efficiency. Overall, this method leads to a saving in washing liquid (F2) and washing time. In addition, a microfluidic component is proposed for carrying out the method.

IPC 8 full level

B01L 3/00 (2006.01); **B01L 99/00** (2010.01)

CPC (source: EP US)

B01L 3/5027 (2013.01 - EP US); **B01L 3/502738** (2013.01 - EP US); **B01L 13/02** (2019.07 - EP US); **B08B 3/04** (2013.01 - US); **B01L 2200/141** (2013.01 - EP US); **Y10T 137/0424** (2015.04 - EP US)

Citation (search report)

See references of WO 2012045754A1

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

DOCDB simple family (publication)

WO 2012045754 A1 20120412; DK 2624954 T3 20201123; EP 2624954 A1 20130814; EP 2624954 B1 20200826; ES 2821373 T3 20210426; JP 2013539044 A 20131017; JP 6015659 B2 20161026; US 2014150890 A1 20140605; US 9089883 B2 20150728

DOCDB simple family (application)

EP 2011067341 W 20111004; DK 11764212 T 20111004; EP 11764212 A 20111004; ES 11764212 T 20111004; JP 2013532176 A 20111004; US 201113877719 A 20111004