

Title (en)

DEVICE FOR TRANSPORTING A FLUID IN A DUCT SECTION OF A MICROFLUIDIC ELEMENT

Title (de)

VORRICHTUNG ZUM TRANSPORTIEREN EINES FLUIDS IN EINEM KANALSTRANG EINES MIKROFLUIDELEMENS

Title (fr)

DISPOSITIF DE TRANSPORT D'UN FLUIDE DANS UN CANAL D'UN ÉLÉMENT MICROFLUIDIQUE

Publication

**EP 3978133 A1 20220406 (DE)**

Application

**EP 21204273 A 20100514**

Priority

- DE 202009008052 U 20090605
- EP 10725960 A 20100514
- DE 2010000541 W 20100514

Abstract (en)

[origin: US2012082599A1] The invention relates to an apparatus for transporting a fluid in a channel leg of a microfluidic element, especially of a flow cell. According to the invention, a pressure source for pressurizing a front end face (42) in transport direction of the liquid which completely fills the channel leg in cross section is provided. The pressure source preferably comprises a closed space (17; 22; 34; 36, 38, 40), in which a compressed gas, for example air, is compressible by moving the front end face (42) of the fluid transported in the channel leg.

Abstract (de)

Die Erfindung betrifft eine Vorrichtung zum Transportieren eines Fluids in einem Kanalstrang eines Mikrofluidelements, insbesondere einer Flusszelle. Erfindungsgemäß ist eine Druckquelle zur Druckbeaufschlagung einer in Transportrichtung vorderen Endfläche (42) des den Kanalstrang im Querschnitt vollständig ausfüllenden Fluids vorgesehen. Vorzugsweise umfasst die Druckquelle einen geschlossenen Raum (17; 22; 34; 36, 38, 40), in welchem ein Druckgas, z.B. Luft, durch Verschiebung der vorderen Endfläche (42) des in dem Kanalstrang transportierten Fluids komprimierbar ist.

IPC 8 full level

**B01L 3/00** (2006.01)

CPC (source: EP US)

**B01L 3/50273** (2013.01 - EP US); **B01L 2200/06** (2013.01 - EP); **B01L 2200/10** (2013.01 - EP US); **B01L 2200/16** (2013.01 - EP US); **B01L 2300/0816** (2013.01 - EP US); **B01L 2300/0864** (2013.01 - EP US); **B01L 2300/14** (2013.01 - EP US); **B01L 2400/0487** (2013.01 - EP US); **B01L 2400/0694** (2013.01 - EP); **B01L 2400/084** (2013.01 - EP)

Citation (applicant)

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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 SE SI SK SM TR

DOCDB simple family (publication)

**US 10315197 B2 20190611**; **US 2012082599 A1 20120405**; DE 102009015395 A1 20100930; DE 102009015395 B4 20221124; DE 202009008052 U1 20090827; EP 2437890 A1 20120411; EP 3978132 A1 20220406; EP 3978133 A1 20220406; WO 2010139295 A1 20101209

DOCDB simple family (application)

**US 201013375837 A 20100514**; DE 102009015395 A 20090323; DE 2010000541 W 20100514; DE 202009008052 U 20090605; EP 10725960 A 20100514; EP 21204270 A 20100514; EP 21204273 A 20100514