

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

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Application

**EP 21204273 A 20100514**

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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

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Citation (applicant)

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DOCDB simple family (application)

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