

Title (en)

DEVICE FOR PUMPING FLUIDS, METHOD FOR PRODUCTION THEREOF AND PIPETTE WITH SAID DEVICE

Title (de)

VORRICHTUNG ZUR FÖRDERUNG VON FLUIDEN, VERFAHREN ZUR HERSTELLUNG DERSELBEN UND PIPETTE MIT EINER SOLCHEN VORRICHTUNG

Title (fr)

DISPOSITIF DE TRANSPORT DE FLUIDES, PROCEDE DE FABRICATION DUDIT DISPOSITIF ET PIPETTE EQUIPEE D'UN DISPOSITIF DE CE TYPE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2006069730A1] The invention relates to a device for the active or passive pumping of fluids with a micro-fluid component, comprising an inlet and, optionally, an outlet, a strip conductor, electrically-connected to the micro-fluid component and a support, on which the micro-fluid component is fixed. According to the invention, a simple and economical liquid connection for the micro-fluid component may be achieved, whereby the support is formed by a circuit board including the strip conductor, comprising a through channel connecting to the inlet and optionally similarly connecting to the outlet of the micro-fluid component and a supply line for the inlet and a drain line for the outlet are formed by channels opening into the through channel, whereby the channel is provided on the side of the circuit board away from the micro-fluid component, each in the form of a trough-like recess. The micro-fluid component can be in the form of a micro-pump, a micro-valve or a micro-sensor, in particular, for pressure measurement. The invention further relates to a method for production of such a device and a pipetting and pressure-measuring device, provided with a device of the above type.

IPC 8 full level

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Citation (search report)

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