

Title (en)

PUMPING DEVICE FOR TRANSFERRING AT LEAST A FLUID INTO A CONSUMABLE

Title (de)

PUMPGERÄT ZUM TRANSFER MINDESTENS EINES FLUIDS IN EINEM WEGWERF-BEHÄLTER

Title (fr)

DISPOSITIF DE POMPAGE PERMETTANT DE TRANSFERER AU MOINS UN FLUIDE DANS UN CONSOMMABLE

Publication

EP 1159069 A1 20011205 (FR)

Application

EP 00910910 A 20000309

Priority

- FR 0000580 W 20000309
- FR 9903031 A 19990309

Abstract (en)

[origin: WO0053320A1] The invention concerns a pumping device (1) for transferring a fluid sample (2) into a sealed consumable (3), the transfer being performed between at least a first compartment, said to be initial, (4) and at least a second compartment, said to be, receiving, (5) via a narrowed section such as a flow path (6). The invention is characterised in that the point of intersection between an initial compartment (4) and the narrowed section is located in the lower part, and preferably at the lowest level, of said initial compartment (4), that the point of intersection between the receiving compartment (5) and said narrowed part is located in the upper part, and preferably at the highest level, of said receiving compartment (5), and at least one of the initial (4) and/or receiving (5) compartment can be deformed, such that each deformation activates the transfer of all or part of the sample (2). The invention is particularly applicable to microfluidic devices used in biology.

IPC 1-7

B01L 3/00

IPC 8 full level

B01J 4/00 (2006.01); **B01L 3/00** (2006.01); **G01N 1/00** (2006.01)

CPC (source: EP)

B01L 3/50273 (2013.01); **B01L 2300/0816** (2013.01); **B01L 2300/0864** (2013.01); **B01L 2400/0481** (2013.01); **B01L 2400/0633** (2013.01)

Citation (search report)

See references of WO 0053320A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

FR 2790681 A1 20000915; **FR 2790681 B1 20010511**; AU 3295200 A 20000928; CA 2362739 A1 20000914; EP 1159069 A1 20011205; JP 2003517368 A 20030527; WO 0053320 A1 20000914

DOCDB simple family (application)

FR 9903031 A 19990309; AU 3295200 A 20000309; CA 2362739 A 20000309; EP 00910910 A 20000309; FR 0000580 W 20000309; JP 2000603803 A 20000309