Title (en)

APPARATUS ENABLING LIQUID TRANSFER BY CAPILLARY ACTION THEREIN

Title (de)

GERÄT ZUM KAPILLAREN FLÜSSIGKEITSTRANSFER IN SEINEM INNEREN

Title (fr)

APPAREIL PERMETTANT EN SON SEIN LE TRANSFERT DE LIQUIDES PAR CAPILLARITE

Publication

EP 1159070 A1 20011205 (FR)

Application

EP 00910911 A 20000309

Priority

- FR 0000581 W 20000309
- FR 9903034 A 19990309

Abstract (en)

[origin: US7169353B1] An apparatus (1) which includes at least one planar surface (2) having compartments (3) which are defined by a partition (4), the compartments creating a space which makes it possible to displace at least one liquid sample (5 and/or 15) and, when there are at least two liquid samples (5 and 15), makes it possible to displace them both in an independent way and bring them together so that they can react with one another. The compartments (3) include at least two different types of groove: a deep groove (6), capable of partitioning the sample(s) (5 and/or 15), and a shallow groove capable of receiving the sample (s) (5 and/or 15), the two types of groove (6 and 16) making it possible to direct sample movements (5 and/or 15) by altering the orientation of the apparatus (1). The invention is particularly applicable for the micromanipulation of fluids in biological applications.

IPC 1-7

B01L 3/00

IPC 8 full level

B01L 3/00 (2006.01)

CPC (source: EP US)

B01L 3/502792 (2013.01 - EP US); B01L 2300/0816 (2013.01 - EP US); B01L 2300/089 (2013.01 - EP US); B01L 2400/0406 (2013.01 - EP US)

Citation (search report)

See references of WO 0053321A1

Cited by

EP1716404A4

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)

US 7169353 B1 20070130; AT E256499 T1 20040115; AU 3295300 A 20000928; AU 761808 B2 20030612; CA 2362412 A1 20000914; CA 2362412 C 20080826; DE 60007285 D1 20040129; DE 60007285 T2 20040902; EP 1159070 A1 20011205; EP 1159070 B1 20031217; ES 2212990 T3 20040816; FR 2790684 A1 20000915; FR 2790684 B1 20010511; JP 2002538482 A 20021112; JP 4360454 B2 20091111; WO 0053321 A1 20000914

DOCDB simple family (application)

US 93607701 A 20011203; AT 00910911 T 20000309; AU 3295300 A 20000309; CA 2362412 A 20000309; DE 60007285 T 20000309; EP 00910911 A 20000309; ES 00910911 T 20000309; FR 0000581 W 20000309; FR 9903034 A 19990309; JP 2000603804 A 20000309