Title (en)

IMPROVED MICROFLUIDIC DEVICES USEFUL FOR SELECTIVE EXPOSURE OF ONE OR MORE SAMPLE LIQUIDS TO ONE OR MORE SAMPLE REGIONS

Title (de)

VERBESSERTE MIKROFLUIDISCHE VORRICHTUNGEN ZUR SELEKTIVEN EXPOSITION EINER ODER MEHRERER PROBEFLÜSSIGKEITEN GEGENÜBER EINEM ODER MEHREREN PROBEBEREICHEN

Title (fr)

DISPOSITIFS MICROFLUIDIQUES PERFECTIONNÉS UTILES POUR L'EXPOSITION SÉLECTIVE D'UN OU PLUSIEURS LIQUIDES ÉCHANTILLONS À UNE OU PLUSIEURS RÉGIONS ÉCHANTILLONS

Publication

EP 2741857 A1 20140618 (EN)

Application

EP 12750561 A 20120807

Priority

- EP 11176811 A 20110808
- EP 2012065390 W 20120807
- EP 12750561 A 20120807

Abstract (en)

[origin: EP2556887A1] The present invention relates to improved microfluidic devices, apparatuses that include, and components of, said microfluidic devices. Further, the present invention also relates to methods involving the foregoing. The improved microfluidic devices may, in particular, include a surface acoustic wave (SAW) sensor as the sample region to which a sample liquid is exposed. The microfluidic devices of this invention provide a simple and flexible solution to one or more problems of prior art microfluidic devices, for example enabling one or more subsets of a plurality of sample regions to be exposed, such as in a selective and/or predetermined manner, to one or more sample liquids. Such functionality has particular advantages for the operation, flexibility, throughput, reliability and otherwise for the performance of the devices when in use

IPC 8 full level

B01L 3/00 (2006.01); **G01N 29/02** (2006.01)

CPC (source: EP)

B01L 3/502738 (2013.01); **G01N 29/022** (2013.01); **G01N 29/222** (2013.01); B01L 2300/0663 (2013.01); B01L 2300/0864 (2013.01); B01L 2300/0867 (2013.01); B01L 2300/087 (2013.01); B01L 2300/0877 (2013.01); B01L 2400/0622 (2013.01); B01L 2400/0644 (2013.01); G01N 2291/0423 (2013.01)

Citation (search report)

See references of WO 2013020965A1

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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2556887 A1 20130213; EP 2741857 A1 20140618; WO 2013020965 A1 20130214

DOCDB simple family (application)

EP 11176811 A 20110808; EP 12750561 A 20120807; EP 2012065390 W 20120807