

Title (en)

MICROFLUIDIC CHIP AND PUMPING DEVICE

Title (de)

MIKROFLUIDISCHER CHIP UND PUMPVORRICHTUNG

Title (fr)

PUCE MICROBIOLOGIQUE ET DISPOSITIF DE POMPAGE

Publication

EP 4171813 A1 20230503 (EN)

Application

EP 20735333 A 20200626

Priority

EP 2020068079 W 20200626

Abstract (en)

[origin: WO2021259497A1] The present application relates to a microfluidic chip for a biological or medical staining or assay. The microfluidic chip comprises a base plate with a first main side and a second main side, a reaction chamber which is open towards said first main side, means for affixing a slide on said reaction chamber in a fluid-tight manner, at least one first channel connecting at least one input opening with the reaction chamber and at least one second channel connecting the reaction chamber to a waste. The at least one first channel comprises at least one solution in a quantity which is sufficient to carry out the staining or assay in the reaction chamber. Further, the present application also relates to a pumping device comprising a seat for a microfluidic chip as described above and a pump. The seat is configured such that at least one outlet of the pump is connectable to at least one input opening of a microfluidic chip arranged in said seat in order to pump a fluid into said at least one input opening by means of the pump.

IPC 8 full level

B01L 3/00 (2006.01); **G01N 1/31** (2006.01)

CPC (source: EP)

B01L 3/502715 (2013.01); **B01L 3/50273** (2013.01); **B01L 2200/025** (2013.01); **B01L 2200/027** (2013.01); **B01L 2200/0631** (2013.01); **B01L 2200/0684** (2013.01); **B01L 2300/0867** (2013.01); **B01L 2300/0883** (2013.01); **B01L 2400/0487** (2013.01)

Citation (search report)

See references of WO 2021259497A1

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2021259497 A1 20211230; EP 4171813 A1 20230503

DOCDB simple family (application)

EP 2020068079 W 20200626; EP 20735333 A 20200626