

Title (en)

MICROFLUIDIC CHIP, MICROFLUIDIC LAB-ON-A-CHIP, METHOD FOR PRODUCING SUCH A CHIP AND ANALYSIS METHOD

Title (de)

MIKROFLUIDISCHER CHIP, MIKROFLUIDISCHES LAB-ON-A-CHIP, VERFAHREN ZUR HERSTELLUNG SOLCH EINES CHIPS UND ANALYSEVERFAHREN

Title (fr)

PUCE MICRO-FLUIDIQUE, LABORATOIRE SUR PUCE MICRO-FLUIDIQUE, PROCÉDÉ DE FABRICATION D'UNE TELLE PUCE ET PROCÉDÉ D'ANALYSE

Publication

EP 3728556 A1 20201028 (FR)

Application

EP 18845401 A 20181221

Priority

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- FR 2018053524 W 20181221

Abstract (en)

[origin: WO2019122788A1] The microfluidic chip (1) comprises: • at least one inlet channel (4) connected to at least one well (2), each well (2) being associated with an outlet channel (5), • at least one analysis chamber (3a, 3b) connected to at least one well (2). • an analysis surface (6) comprising collection elements (6a) collecting biomarkers present in the liquid originating from the well (2) and representative of the cellular response of a biological sample contained in the well (2). A flow of liquid flows from the well (2) towards the analyse surface (6) comprising the collection elements (6a). The flow of liquid flows at between 0.1 µL/min. and 2 ml/min. and flows in a laminar manner through the analysis chamber (3a, 3b). The chip (1) is part of a microfluidic lab-on-a-chip provided with a flow generator applying a plurality of different liquids.

IPC 8 full level

C12M 3/06 (2006.01); **C12M 1/34** (2006.01); **C12M 3/00** (2006.01)

CPC (source: EP US)

B01L 3/502707 (2013.01 - US); **B01L 3/502776** (2013.01 - US); **C12M 23/16** (2013.01 - EP); **G01N 33/6863** (2013.01 - US); **B01L 2200/10** (2013.01 - US); **B01L 2300/0816** (2013.01 - US); **B01L 2300/0864** (2013.01 - US)

Citation (search report)

See references of WO 2019122788A1

Designated contracting state (EPC)

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