

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
• FR 1762895 A 20171221
• FR 1762896 A 20171221
• 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)
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

DOCDB simple family (publication)
WO 2019122788 A1 20190627; EP 3728556 A1 20201028; US 2020406263 A1 20201231

DOCDB simple family (application)
FR 2018053524 W 20181221; EP 18845401 A 20181221; US 201816956632 A 20181221