

Title (en)

CARTRIDGE COMPRISING A PLURALITY OF ANALYSIS CHAMBERS FOR RECEIVING A BIOLOGICAL LIQUID

Title (de)

KARTUSCHE MIT MEHREREN ANALYSEKAMMERN ZUR AUFNAHME EINER BIOLOGISCHEN FLÜSSIGKEIT

Title (fr)

CARTOUCHE COMPORTANT UNE PLURALITE DE CHAMBRES D'ANALYSE POUR RECEVOIR UN LIQUIDE BIOLOGIQUE

Publication

EP 4247557 A1 20230927 (FR)

Application

EP 21819917 A 20211109

Priority

- FR 2011788 A 202011117
- FR 2021051978 W 20211109

Abstract (en)

[origin: CA3196987A1] The invention relates to a cartridge (1) for analysing a biological fluid, comprising an array of channels (4, 4') defining a plurality of analysis paths. Each channel is defined by at least two channel walls facing each other and defining a channel height. According to the invention, a wall of at least one channel has a step (M) for defining, on either side of the step: - a first segment (S1) of the channel in which the wall has a first surface energy (E1) and a first elevation (e1) defining a first height of the channel (h1); - a second segment (S2) of the channel in which the wall has a second surface energy (E2) and a second elevation (e2) defining a second height of the channel (h2). The first height (h1) of the channel and the first surface energy (E1) of the wall are greater than the second height (h2) of the channel and the second surface energy (E2), respectively.

IPC 8 full level

B01L 3/00 (2006.01)

CPC (source: EP KR US)

B01L 3/502 (2013.01 - EP); **B01L 3/50273** (2013.01 - KR US); **B01L 3/50273** (2013.01 - KR US); **B01L 2200/04** (2013.01 - KR US);
B01L 2200/0684 (2013.01 - EP KR US); **B01L 2300/0851** (2013.01 - EP KR); **B01L 2300/0864** (2013.01 - EP KR US);
B01L 2300/0887 (2013.01 - EP US); **B01L 2300/161** (2013.01 - EP KR US); **B01L 2400/0406** (2013.01 - EP KR US);
B01L 2400/0688 (2013.01 - EP); **B01L 2400/086** (2013.01 - EP); **B01L 2400/088** (2013.01 - EP US)

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)

FR 3116215 A1 20220520; FR 3116215 B1 20240329; CA 3196987 A1 20220527; CN 116600897 A 20230815; EP 4247557 A1 20230927;
JP 2023550376 A 20231201; KR 20230117365 A 20230808; MX 2023005824 A 20230824; US 2023415156 A1 20231228;
WO 2022106770 A1 20220527; ZA 202305210 B 20240131

DOCDB simple family (application)

FR 2011788 A 20201117; CA 3196987 A 20211109; CN 202180077423 A 20211109; EP 21819917 A 20211109; FR 2021051978 W 20211109;
JP 2023529912 A 20211109; KR 20237020388 A 20211109; MX 2023005824 A 20211109; US 202118252752 A 20211109;
ZA 202305210 A 20230511