

Title (en)

SYSTEM AND METHOD FOR TARGET MATERIAL RETRIEVAL FROM MICROWELLS

Title (de)

SYSTEM UND VERFAHREN ZUR ENTNAHME VON ZIELMATERIAL AUS MIKROVERTIEFUNGEN

Title (fr)

SYSTÈME ET PROCÉDÉ DE RÉCUPÉRATION DE MATÉRIAU CIBLE À PARTIR DE MICROPUIITS

Publication

EP 3990926 A4 20230913 (EN)

Application

EP 20833529 A 20200619

Priority

- US 201962866726 P 20190626
- US 202016867235 A 20200505
- US 2020038647 W 20200619

Abstract (en)

[origin: WO2020263700A1] A system and method for target material retrieval and processing, the system comprising: an adaptor configured to interface with a capture region of a capture substrate for capturing particles in single-particle format within a set of wells, wherein the adaptor comprises a first region configured to interface with the capture region, a second region, and a cavity extending from the first region to the second region; and a support structure coupled to the adaptor and providing a set of operation modes for movement of the adaptor relative to the capture substrate. The system enables methods for magnetic and/or other force-based methods of retrieval of target material (e.g., derived from single cells).

IPC 8 full level

B01L 3/00 (2006.01); **B01L 9/00** (2006.01); **C12Q 1/6806** (2018.01); **G01N 1/40** (2006.01); **G01N 35/00** (2006.01); **G01N 35/10** (2006.01)

CPC (source: EP KR)

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Citation (search report)

- [XII] US 2015225714 A1 20150813 - TAKAHASHI MAKIKO [JP], et al
- [XI] WO 9942832 A1 19990826 - BIO NOBILE OY [FI], et al
- [XII] WO 2016115025 A1 20160721 - GILSON INC [US]
- [XI] WO 2009076560 A2 20090618 - UNIV LELAND STANFORD JUNIOR [US], et al
- [A] US 2019060902 A1 20190228 - HANDIQUE KALYAN [US], et al
- [A] US 2018036731 A1 20180208 - HANDIQUE KALYAN [US], et al
- [A] US 2016008814 A1 20160114 - HANDIQUE KALYAN [US], et al
- See references of WO 2020263700A1

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)

WO 2020263700 A1 20201230; AU 2020304355 A1 20211125; AU 2020304355 B2 20230406; CA 3138949 A1 20201230; CN 113924494 A 20220111; EP 3990926 A1 20220504; EP 3990926 A4 20230913; JP 2022539739 A 20220913; KR 20220024734 A 20220303; SG 11202112150R A 20211230

DOCDB simple family (application)

US 2020038647 W 20200619; AU 2020304355 A 20200619; CA 3138949 A 20200619; CN 202080038904 A 20200619; EP 20833529 A 20200619; JP 2021577040 A 20200619; KR 20227001894 A 20200619; SG 11202112150R A 20200619