

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
24 February 2022 (24.02.2022)



(10) International Publication Number
WO 2022/040147 A1

(51) International Patent Classification:

C12N 15/10 (2006.01) *C12Q 1/6869* (2018.01)
C12N 15/11 (2006.01) *C12Q 1/6876* (2018.01)
C12Q 1/68 (2018.01) *C12Q 1/6883* (2018.01)

(21) International Application Number:

PCT/US2021/046246

(22) International Filing Date:

17 August 2021 (17.08.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/067,800 19 August 2020 (19.08.2020) US

(71) Applicant: **ACCURAGEN HOLDINGS LIMITED**
[GB/GB]; P.O. Box 472, Harbour Place, 2nd Floor,

103 South Church Street, George Town, Grand Cayman,
KY1-1106 (KY).

(72) Inventor; and

(71) Applicant (for MW only): **WENG, Li** [CN/US]; 33991
Shylock Drive, Fremont, California 94555 (US).

(72) Inventors: **FAHAM, Malek**; 1140 Balboa Avenue,
Burlingame, California 94010 (US). **WITTKOP, Tobias**;
821 N. Delaware Street, San Mateo, California 94401 (US).

(74) Agent: **FLOYD, Jennifer A.**; Wilson Sonsini, 650 Page
Mill Road, Palo Alto, California 94304 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN,
KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD,

(54) Title: METHODS FOR SELECTIVE CELL-FREE NUCLEIC ACID ANALYSIS

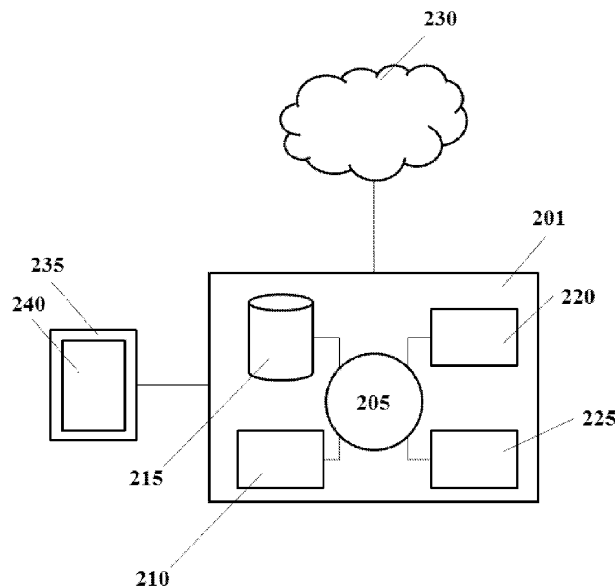


FIG. 1

(57) Abstract: Provided herein are methods for processing a plurality of nucleic acid molecules derived from a cell-free biological sample, comprising bringing said plurality of nucleic acid molecules or derivatives thereof in contact with a plurality of binding agents, to provide a first subset of said plurality of nucleic acid molecules coupled to said plurality of binding agents and a second subset of said plurality of nucleic acid molecules; separating said first subset of said plurality of nucleic acid molecules coupled to said plurality of binding agents from said second subset of said plurality of nucleic acid molecules; circularizing a nucleic acid molecule derived from said first subset of said plurality of nucleic acid molecules to obtain a circularized nucleic acid molecule; and identifying said circularized nucleic acid molecule or derivative thereof.

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ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO,
NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW,
SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

Published:

— *with international search report (Art. 21(3))*