



(51) International Patent Classification:

G01N 33/48 (2006.01) G06M 11/02 (2006.01)
C12M 3/00 (2006.01)

(21) International Application Number:

PCT/US2014/032071

(22) International Filing Date:

27 March 2014 (27.03.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/805,900 27 March 2013 (27.03.2013) US

(71) Applicant: THERANOS, INC. [US/US]; 1601 S. California Ave, Palo Alto, California 94304 (US).

(72) Inventors: YOUNG, Daniel; 1601 S. California Ave, Palo Alto, California 94304 (US). HOLMES, Elizabeth A.; 1601 S. California Ave, Palo Alto, California 94304 (US).

(74) Agents: FOX, James A. et al.; 1601 S. California Ave, 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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,

KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, 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, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, 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, 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))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(54) Title: METHODS, DEVICES, AND SYSTEMS FOR SAMPLE ANALYSIS

(57) Abstract: Methods, devices, and systems for analyzing biological samples are provided. A biological sample may be analyzed for the presence of an analyte by an initial assay, and the performance of, or method of performance of, a subsequent assay may be contingent upon the results of the initial assay. For example, the following may be contingent on the results of a prior assay: whether or not a subsequent assay is performed; which subsequent assay is performed; the method of performing a subsequent assay; the order of performance of a sequence of subsequent assays; the steps, or order of steps, performed in a subsequent assay; the timing of the performance of a subsequent assay; the choice of a reagent used in a subsequent assay; the detection method used in a subsequent assay; and other particulars of assays may be contingent on the results of a prior assay.

