



(51) International Patent Classification:

C12N 15/10 (2006.01) *C12Q 1/68* (2006.01)
C12N 15/11 (2006.01) *C12M 1/00* (2006.01)

(21) International Application Number:

PCT/US2014/030028

(22) International Filing Date:

15 March 2014 (15.03.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/800,340 15 March 2013 (15.03.2013) US

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

(72) Inventor: PATEL, Pranav; 1601 S. California Avenue, Palo Alto, CA 94304 (US).

(74) Agent: MOYER, Stephen; 1601 S. California Avenue, Palo Alto, CA 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,

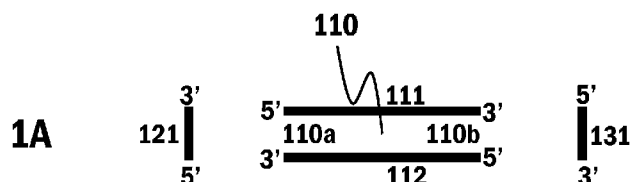
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, 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).

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))
- with sequence listing part of description (Rule 5.2(a))

(54) Title: NUCLEIC ACID AMPLIFICATION



(57) Abstract: Methods and compositions for the amplification of nucleic acids are disclosed. Amplification methods provided herein may be performed under isothermal conditions. Methods and compositions may include reagents such as restriction enzymes, polymerases, ligases, primers, and polynucleotide adaptors.

Fig. 1