



(51) International Patent Classification:
C12Q 1/68 (2006.01)

(21) International Application Number:
PCT/US2012/057716

(22) International Filing Date:
28 September 2012 (28.09.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/541,342 30 September 2011 (30.09.2011) US
61/660,960 18 June 2012 (18.06.2012) US

(71) Applicant: LIFE TECHNOLOGIES CORPORATION
[US/US]; 5791 Van Allen Way, Carlsbad, CA 92008 (US).

(72) Inventors: JANAWAY, Gordon; 5791 Van Allen Way, Carlsbad, CA 92008 (US). ALIMINATI, Manjula; 5791 Van Allen Way, Carlsbad, CA 92008 (US). WU, Ruoyun; #05-03, 33, Marsiling Industrial Estate Road 3, Singapore 739256 (SG). FORTESCUE, David; 5791 Van Allen Way, Carlsbad, CA 92008 (US). SHEN, Ming; #05-03, 33, Marsiling Industrial Estate Road 3, Singapore 739256 (SG).

(74) Agent: WONG, Denise H.; 5791 Van Allen Way, Carlsbad, CA 92008 (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, IS, JP, KE, KG, KM, 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, 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, ML, MR, NE, SN, TD, TG).

Published:

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

(54) Title: METHODS AND SYSTEMS FOR VISUALIZING AND EVALUATING DATA

(57) Abstract: A computer-implemented method of generating a digital polymerase chain reaction (dPCR) result is provided. The method includes detecting a first set of emission data from a plurality of samples, each included in a sample region of a plurality of sample regions, at a first time during an amplification period. The method further includes determining a positive or negative amplification determination for each sample of the plurality of samples based in part on the first set of emission data. A dPCR result is generated based on the positive or negative amplification determinations for the plurality of samples.



WO 2013/049443 A1