

(51) International Patent Classification:
C12Q 1/68 (2006.01)(21) International Application Number:
PCT/US2013/042086(22) International Filing Date:
21 May 2013 (21.05.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/649,845 21 May 2012 (21.05.2012) US(71) Applicant (for all designated States except US): **FLUIDIGM CORPORATION** [US/US]; 7000 Shoreline Court, Suite 100, South San Francisco, California 94080 (US).

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(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).

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(54) Title: SINGLE-PARTICLE ANALYSIS OF PARTICLE POPULATIONS

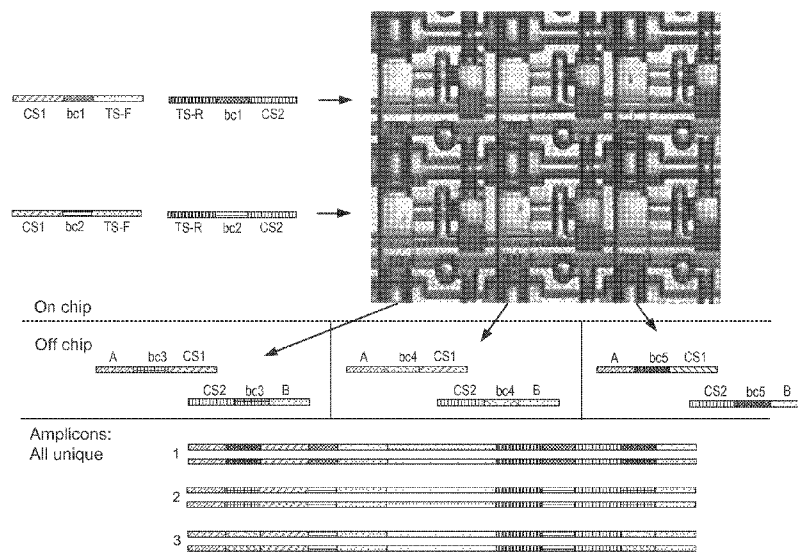


FIG. 10A

(57) Abstract: In certain embodiments, the invention provides methods and devices for assaying single particles in a population of particles, wherein at least two parameters are measured for each particle. One or more parameters can be measured while the particles are in the separate reaction volumes. Alternatively or in addition, one or more parameters can be measured in a later analytic step, e.g., where reactions are carried out in the separate reaction volumes and the reaction products are recovered and analyzed. In particular embodiments, one or more parameter measurements are carried out "in parallel," i.e., essentially simultaneously in the separate reaction volumes.

**Published:****(88) Date of publication of the international search report:**

30 January 2014

- *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))*