



- (51) **International Patent Classification:**
G06F 19/26 (2011.01)
- (21) **International Application Number:**
PCT/US2014/044732
- (22) **International Filing Date:**
27 June 2014 (27.06.2014)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/841,167 28 June 2013 (28.06.2013) US
- (71) **Applicant:** LIFE TECHNOLOGIES CORPORATION
[US/US]; 5791 Van Allen Way, Carlsbad, California
92008 (US).
- (72) **Inventors:** MAJUMDAR, Nivedita, Sumi; 5791 Van Allen Way, Carlsbad, California 92008 (US). LEONG, Harrison; 5791 Van Allen Way, Carlsbad, California 92008 (US). STRAUB, Theodore, E.; 5791 Van Allen Way, Carlsbad, California 92008 (US). HOARD, David; 5791 Van Allen Way, Carlsbad, California 92008 (US).
- (74) **Agent:** WONG, Denise, H.; Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, California 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, 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:

— *of inventorship (Rule 4.17(iv))*

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 AND SYSTEMS FOR VISUALIZING DATA QUALITY

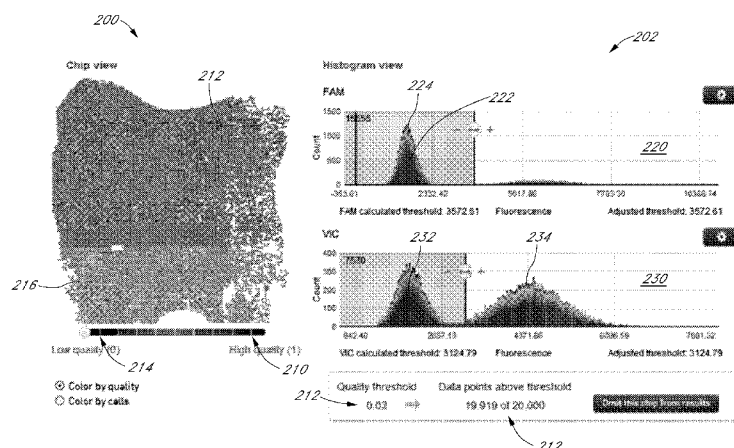


FIG. 2

(57) **Abstract:** A method for generating a data visualization is provided. The method includes receiving a plurality of data points related to fluorescent emissions values from a plurality of reaction sites. The fluorescent emission values include information for a first type of dye and a second type of dye. The method further includes displaying a first portion of the plurality of data points related to the first type of dye in a representation of location of the plurality of reaction sites, and displaying a second portion of the plurality of data points related to the second type of dye in the representation. The method further includes displaying the first portion of the plurality of data points in a scatter plot display. The scatter plot shows fluorescent values related to the first dye on the y-axis and fluorescent values related to the second dye on the x-axis. The method includes displaying the second portion of the plurality of data points in the scatter plot display.