



- (51) **International Patent Classification:**
B01L 3/00 (2006.01) *C12Q 1/68* (2006.01)
B08B 7/00 (2006.01)
- (21) **International Application Number:** PCT/US2015/047688
- (22) **International Filing Date:** 31 August 2015 (31.08.2015)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:** 62/044,823 2 September 2014 (02.09.2014) US
- (71) **Applicant:** BIONANO GENOMICS, INC. [US/US]; 9640 Towne Centre Drive, Suite 100, San Diego, CA 92121 (US).
- (72) **Inventors:** YAO, David, Xian, Wei; 9640 Towne Centre Drive, Suite 100, San Diego, CA 92121 (US). RIDGEWAY, William, K.; 9640 Towne Centre Drive, Suite 100, San Diego, CA 92121 (US).
- (74) **Agent:** ALTMAN, Daniel, E.; Knobbe Martens Olson & Bear, LLP, 2040 Main Street, 14th Floor, Irvine, CA 92614 (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, 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, ST, 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,

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(54) **Title:** PHOTOCLEAVAGE METHOD AND APPARATUS TO CLEAN FLUIDIC DEVICES

(57) **Abstract:** A method and system for improving throughput of a fluidic system such as a biopolymer analysis system by cleaning accumulated or clogging biopolymer from the fluidic system is disclosed. The method and system utilize a light energy source to photocleave the biopolymer molecules that may accumulate or aggregate in the fluidic system or clog a passageway. The accumulated biopolymer may be exposed to a light energy source for a sufficient period of time such that the biopolymer molecule is dosed with sufficient energy to photocleave the biopolymer molecules, thereby restoring the efficiency of and flow through the system.

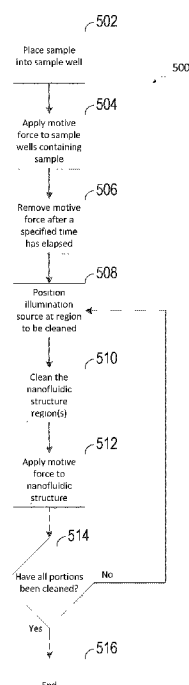


FIG. 5



SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

Published:

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