

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
05 March 2020 (05.03.2020)

WIPO | PCT

(10) International Publication Number
WO 2020/047010 A8

(51) International Patent Classification:			62/788,905	06 January 2019 (06.01.2019)	US	
	<i>C12Q 1/6837</i> (2018.01)	<i>C12Q 1/6841</i> (2018.01)	62/812,219	28 February 2019 (28.02.2019)	US	
(21) International Application Number:			62/819,486	15 March 2019 (15.03.2019)	US	
	PCT/US2019/048434		62/819,467	15 March 2019 (15.03.2019)	US	
(22) International Filing Date:			62/819,468	15 March 2019 (15.03.2019)	US	
	27 August 2019 (27.08.2019)		62/819,448	15 March 2019 (15.03.2019)	US	
(25) Filing Language:	English		62/819,456	15 March 2019 (15.03.2019)	US	
			62/819,478	15 March 2019 (15.03.2019)	US	
(26) Publication Language:	English		62/819,449	15 March 2019 (15.03.2019)	US	
			62/819,496	15 March 2019 (15.03.2019)	US	
(30) Priority Data:			62/819,458	15 March 2019 (15.03.2019)	US	
	62/723,950	28 August 2018 (28.08.2018)	US	62/822,649	22 March 2019 (22.03.2019)	US
	62/723,957	28 August 2018 (28.08.2018)	US	62/822,618	22 March 2019 (22.03.2019)	US
	62/723,960	28 August 2018 (28.08.2018)	US	62/822,592	22 March 2019 (22.03.2019)	US
	62/723,964	28 August 2018 (28.08.2018)	US	62/822,565	22 March 2019 (22.03.2019)	US
	62/723,970	28 August 2018 (28.08.2018)	US	62/822,554	22 March 2019 (22.03.2019)	US
	62/723,972	28 August 2018 (28.08.2018)	US	62/822,575	22 March 2019 (22.03.2019)	US
	62/724,483	29 August 2018 (29.08.2018)	US	62/822,605	22 March 2019 (22.03.2019)	US
	62/724,561	29 August 2018 (29.08.2018)	US	62/822,627	22 March 2019 (22.03.2019)	US
	62/724,487	29 August 2018 (29.08.2018)	US	62/822,632	22 March 2019 (22.03.2019)	US
	62/724,489	29 August 2018 (29.08.2018)	US	62/839,223	26 April 2019 (26.04.2019)	US
	62/779,342	13 December 2018 (13.12.2018)	US	62/839,320	26 April 2019 (26.04.2019)	US
	62/788,867	06 January 2019 (06.01.2019)	US	62/839,346	26 April 2019 (26.04.2019)	US
	62/788,871	06 January 2019 (06.01.2019)	US	62/839,526	26 April 2019 (26.04.2019)	US
	62/788,897	06 January 2019 (06.01.2019)	US	62/842,463	02 May 2019 (02.05.2019)	US
	62/788,885	06 January 2019 (06.01.2019)	US	62/858,331	07 June 2019 (07.06.2019)	US

(54) Title: INCREASING SPATIAL ARRAY RESOLUTION

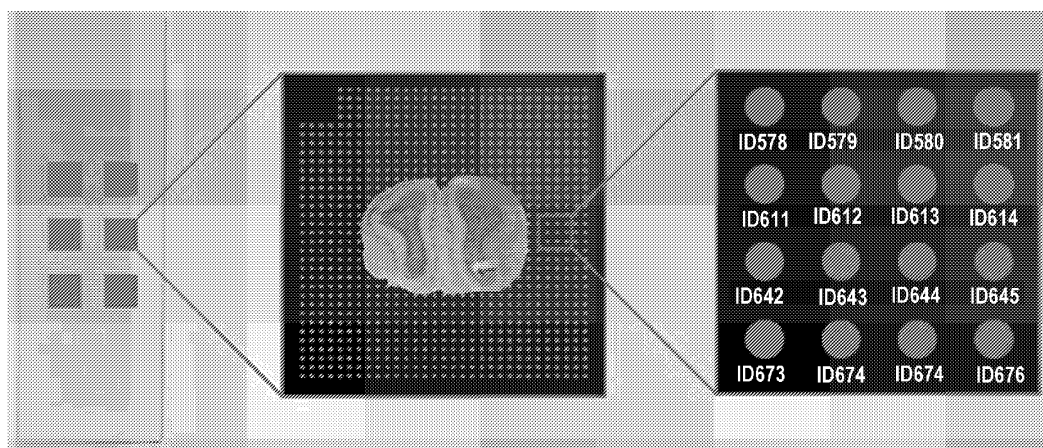


FIG 12

(57) Abstract: This disclosure relates to methods of manufacturing of spatial arrays and determining the location of an analyte present in a biological sample (e.g., by utilizing a cell-tagging agent).

[Continued on next page]

62/860,993 13 June 2019 (13.06.2019) US

- (71) **Applicant:** **10X GENOMICS, INC.** [US/US]; 6230 Stoneridge Mall Road, Pleasanton, California 94588-3260 (US).
- (72) **Inventors:** **PFEIFFER, Katherine**; 6230 Stoneridge Mall Road, Pleasanton, California 94588-3260 (US). **BHARAD- WAJ, Rajiv**; 6230 Stoneridge Mall Road, Pleasanton, CA 94588-3260 (US). **BOUTET, Stephane**; 6230 Stoneridge Mall Road, Pleasanton, CA 94588-3260 (US). **FRENZ, Lucas**; 6230 Stoneridge Mall Road, Pleasanton, CA 94588-3260 (US).
- (74) **Agent:** **LUITJENS, Cameron M.** et al.; Fish & Richardson P.C., PO Box 1022, Minneapolis, Minnesota 55440-1022 (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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, 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, 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))
— with amended claims (Art. 19(1))
- (88) **Date of publication of the international search report:**
16 April 2020 (16.04.2020)
- Date of publication of the amended claims:**
16 July 2020 (16.07.2020)
- (48) **Date of publication of this corrected version:**
26 August 2021 (26.08.2021)
- (15) **Information about Correction:**
see Notice of 26 August 2021 (26.08.2021)