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(71) Applicant: **ULTIMA GENOMICS, INC.** [US/US]; 7979 Gateway Boulevard, Suite 101, Newark, California 94560 (US).

(72) Inventors: **ALMOGY, Gilad**; 7979 Gateway Boulevard, Suite 101, Newark, California 94560 (US). **OBERS-TRASS, Florian**; 7979 Gateway Boulevard, Suite 101, Newark, California 94560 (US). **BARAD, Omer**; 7979

Gateway Boulevard, Suite 101, Newark, California 94560 (US). **SHEE, Chandan**; 7979 Gateway Boulevard, Suite 101, Newark, California 94560 (US).

(74) Agent: **LEE, Na Kyung**; WILSON SONSINI GOODRICH & ROSATI, 650 Page Mill Road, Palo Alto, California 94304-1050 (US).

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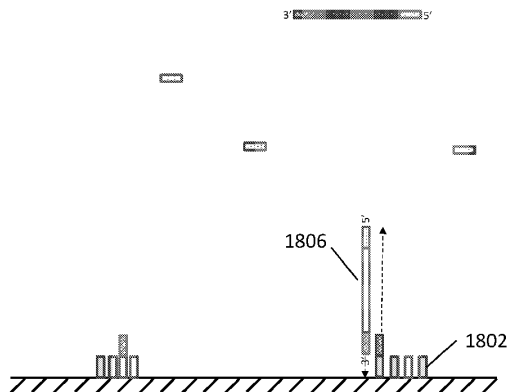


FIG. 18B

(57) Abstract: The present disclosure provides methods and processes for increasing the efficiency and accuracy of nucleic acid sequencing using techniques such as polymerase chain reaction (PCR). The methods described herein can be used to achieve clonal amplification even with a greater than Poisson distribution of beads and/or nucleic acid templates into an emulsion. A PCR method may comprise generating a partition (e.g., a droplet) comprising at least two beads and/or at least two nucleic acid molecules and generating clonal amplification products corresponding to the nucleic acid molecule, at least a subset of which may be attached to a bead.

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