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(71) Applicant: **TWIST BIOSCIENCE CORPORATION**
[US/US]; 455 Mission Bay Blvd. South, Suite 545, San
Francisco, California 94158 (US).

(72) Inventors: **BRAMLETT, Brian Wayne**; 455 Mission Bay
Blvd. South, Suite 545, San Francisco, California 94158
(US). **PECK, Bill James**; 455 Mission Bay Blvd. South,
Suite 545, San Francisco, California 94158 (US).

(74) Agent: **HARBURGER, David**; WILSON SONSINI
GOODRICH & ROSATI, 650 Page Mill Road, Palo Alto,
California 94304 (US).

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(54) Title: DNA-BASED DIGITAL INFORMATION STORAGE

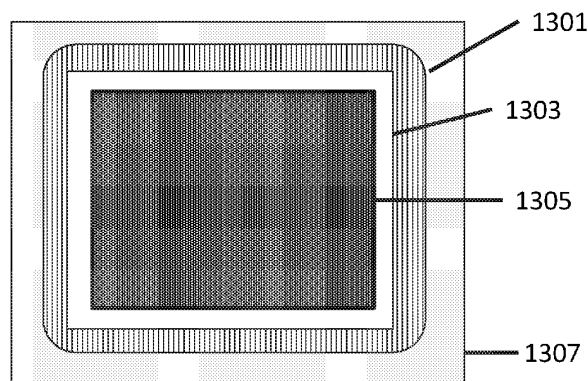


FIG. 13

(57) Abstract: Provided herein are compositions, devices, systems and methods for generation and use of biomolecule-based information for storage. Further provided are devices comprising addressable electrodes controlling polynucleotide synthesis (deprotection, extension, or cleavage, etc.) The compositions, devices, systems and methods described herein provide improved storage, density, and retrieval of biomolecule-based information.

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WO 2019/136175 A1

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