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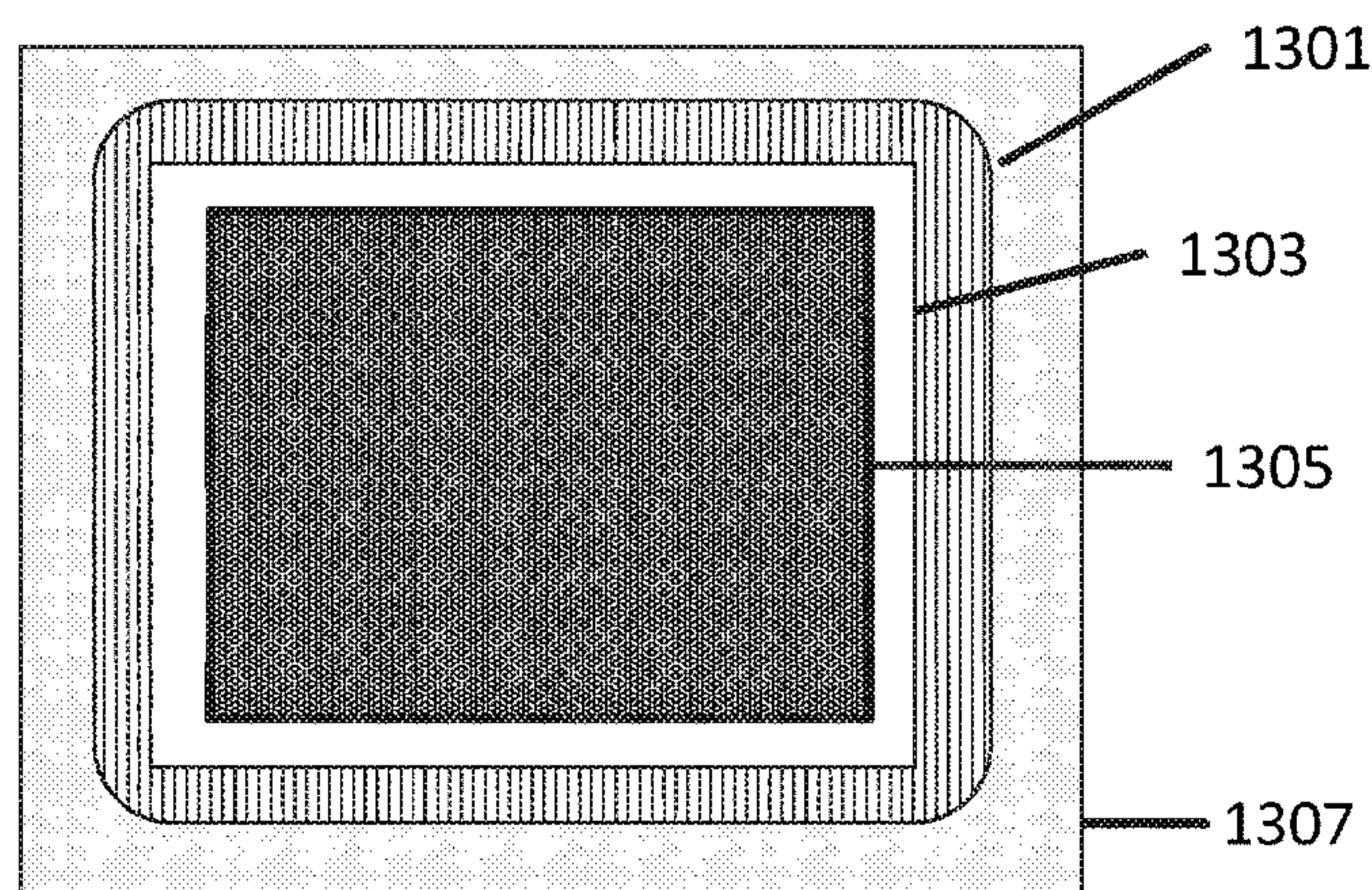
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(54) Title of the Invention: **DNA-based digital information storage**  
Abstract Title: **DNA-based digital information storage**

(57) 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.



**FIG. 13**

**GB 2585506 A**