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(54) Title: SYSTEMS, APPARATUS AND KITS FOR ENZYMATIC POLYNUCLEOTIDE SYNTHESIS

(57) Abstract: The invention is directed to systems, apparatus and kits for automated synthesis of a plurality of polynucleotides in an array of reaction chambers using a template-free polymerase. In some embodiments, adaptive elements and processes are provided to monitor and control disruption of the synthesis process and fluid movement by enzyme aggregation.

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