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(54) **Title:** METHODS OF POLYNUCLEOTIDE SYNTHESIS

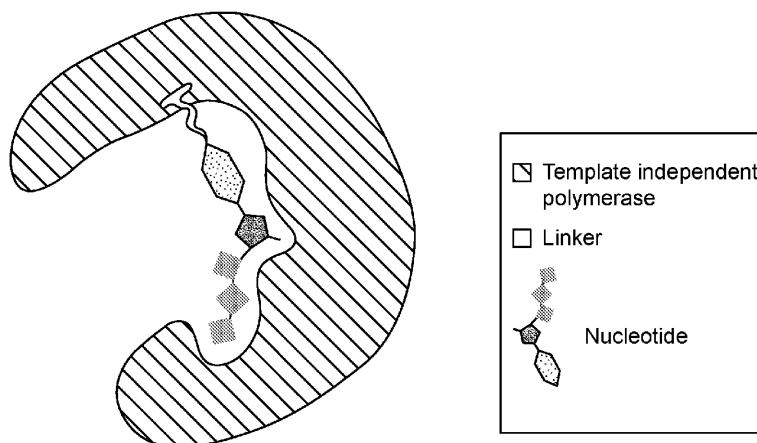


FIG. 1D

(57) **Abstract:** Disclosed herein are compositions and methods for *de novo* enzymatic synthesis of nucleic acid molecules. In particular, and among other things, compositions and methods of the present disclosure provide for reduction of non-terminations in a nucleic acid molecule product generated by *de novo* enzymatic synthesis. Compositions and methods of the present disclosure also include the use of a phosphatase enzyme to facilitate the reduction of non-terminations.

[Continued on next page]

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