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(54) **METHODS OF IN VITRO PROTEIN SYNTHESIS**

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(58) **Field of Classification Search**
None
See application file for complete search history.

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(57) **ABSTRACT**

Improved methods are provided in vitro synthesis of biological molecules, providing for improved yields, lowered costs, and enhanced utility. Improved yield and lowered cost is obtained by the use of a phosphate free energy source in the presence of exogenous phosphate, and optionally in the absence of exogenous nucleoside triphosphates.

13 Claims, 10 Drawing Sheets