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(54) Title: COLD-TEMPERATURE ISOTHERMAL AMPLIFICATION OF POLYNUCLEOTIDES

Step 1: ssDNA conversion to dsDNA with nickase site



Note: Non-extendable 3' primer prevents primer dimer formation
at low temperatures, 16C-25C amplification possible



FIG. 1A

(57) Abstract: In some aspects, the present disclosure provides methods and compositions for isothermal low temperature amplification of target polynucleotides, and detection thereof.



WO 2023/107998 A1