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(54) **Title:** METHOD, KITS AND SYSTEM FOR DUAL LABELING OF NUCLEIC ACIDS

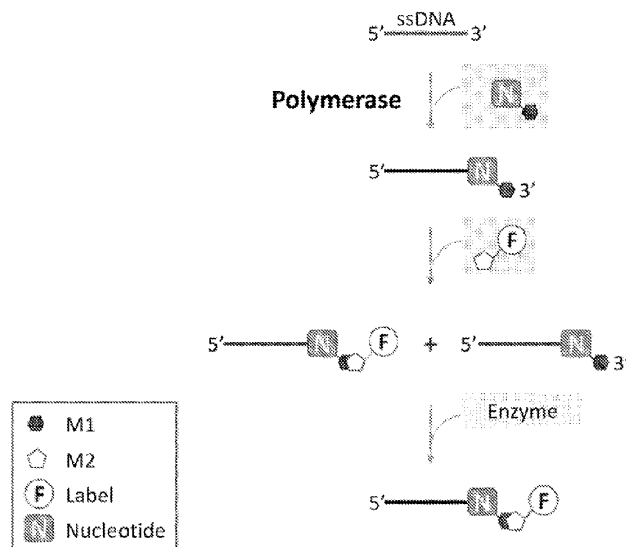


FIG. 1

(57) **Abstract:** Provided are methods for introducing a modification to an end of a nucleic acid, thereby labeling the nucleic acid with desired moiety, including to a 3'-end, a 5'-end or both 3'-end and 5'-end of a nucleic acid. Also provided are kits for introducing such modification to ends of a nucleic acid.

[Continued on next page]

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