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**Declarations under Rule 4.17:**

— as to the identity of the inventor (Rule 4.17(i))

(54) **Title:** UNBIASED AND SIMULTANEOUS AMPLIFICATION METHOD FOR PREPARING A DOUBLE-STRANDED DNA LIBRARY FROM A SAMPLE OF MORE THAN ONE TYPE OF NUCLEIC ACID

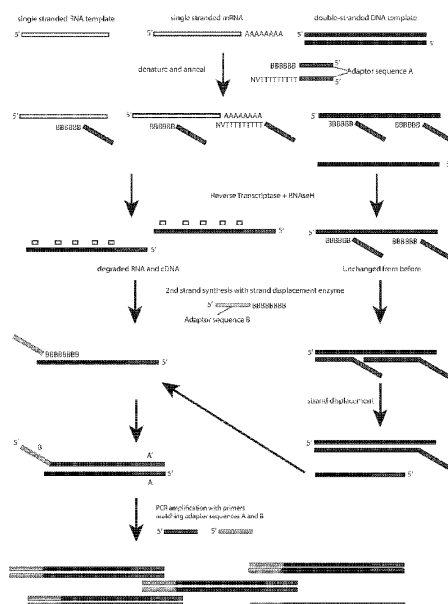


FIG. 1

(57) **Abstract:** The present invention relates to an unbiased and simultaneous amplification method for preparing a double-stranded DNA library from a sample of more than one type of nucleic acid. The method includes providing single-stranded and/or double-stranded DNA and/or RNA as a template; preparing a first DNA strand by annealing to the template a first DNA strand generation primer including (I) a first adaptor sequence followed by a poly-thymidine sequence, a random nucleotide V, and a random nucleotide N and (II) the first adaptor sequence followed by six random nucleotides jointly or independently selected from B, D, H, or V; preparing a second DNA strand by annealing to the first DNA strand a second DNA strand generation primer comprising a second adaptor sequence followed by eight repeating random nucleotides jointly or independently selected from B, D, H, or V, and extending therefrom; and amplifying the second DNA strand via a polymerase chain reaction.

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