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(54) **Title:** COMPOSITIONS AND METHODS FOR DETECTING AN ABASIC SITE OF A NUCLEIC ACID

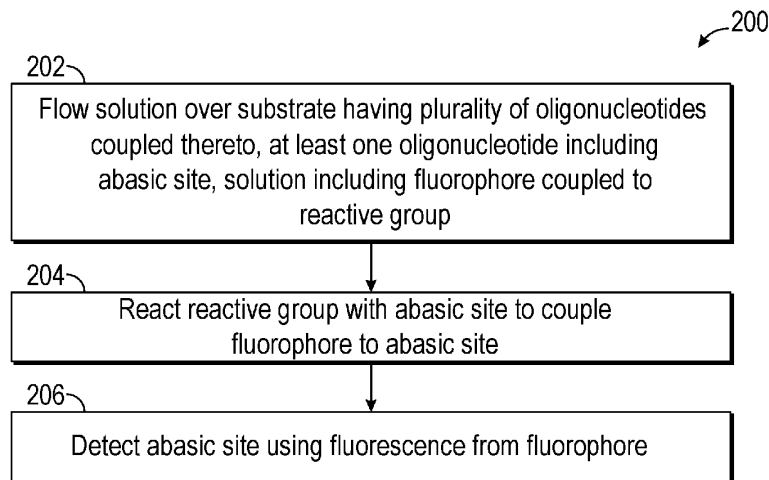


FIG. 2

(57) **Abstract:** A method for detecting an abasic site is provided. The method may include flowing a solution over a substrate having a plurality of oligonucleotides coupled thereto. At least one of the oligonucleotides includes an abasic site. The solution may include a fluorophore coupled to a reactive group. The method may include reacting the reactive group with the abasic site to couple the fluorophore to the abasic site; and detecting the abasic site using fluorescence from the fluorophore.



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