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(54) Title: DETERMINATION OF NUCLEIC ACID USING ELECTROCATALYTIC INTERCALATORS

(57) Abstract: Compositions and methods for electrochemical detection of nucleic acid are disclosed. The compositions comprise electrocatalytic intercalators that bind to double-stranded nucleic acid and oxidize nucleic acid. Methods of detecting nucleic acid in a sample comprise forming double-stranded nucleic acid that is bound by electrocatalytic intercalators wherein the intercalators catalyze oxidation of the nucleic acid at the surface of an electrode.

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