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(54) **Title:** SYSTEMS AND METHODS FOR ANALYTE ANALYSIS

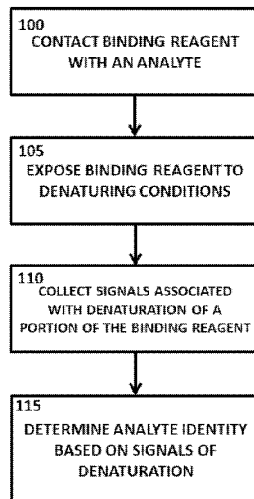


FIG. 1

(57) **Abstract:** The present disclosure provides methods and systems for analysis of an analyte. Analysis of an analyte may include contacting an analyte with a binding reagent, which binding reagent may include a binding probe with specificity for the analyte and a nucleic acid molecule. The nucleic acid molecule may be denatured and signals indicative of the denaturing of the analyte may be collected. The collected signals may be used to detect, identify, or quantify the analyte.

WO 2022/147025 A1

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