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Declarations under Rule 4.17:

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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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(54) **Title:** DETECTING NUCLEIC ACIDS USING SUGAR-LECTIN COUPLINGS

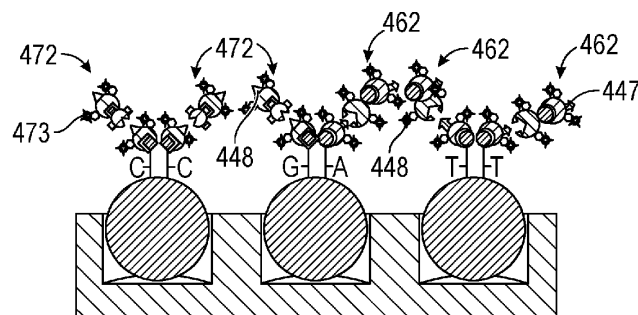


FIG. 4D

(57) **Abstract:** A method is provided for detecting an element. The method includes coupling an element-sugar complex to a substrate. The element-sugar complex includes an element coupled to a sugar. The method includes coupling a lectin to the sugar; detecting the lectin; and detecting the element using at least the detection of the lectin. A system is provided that includes a substrate, and an element-sugar complex coupled to the substrate. The element-sugar complex includes an element coupled to a sugar. The system includes a lectin coupled to the sugar; and detection circuitry to detect the element using at least detection of the lectin.

