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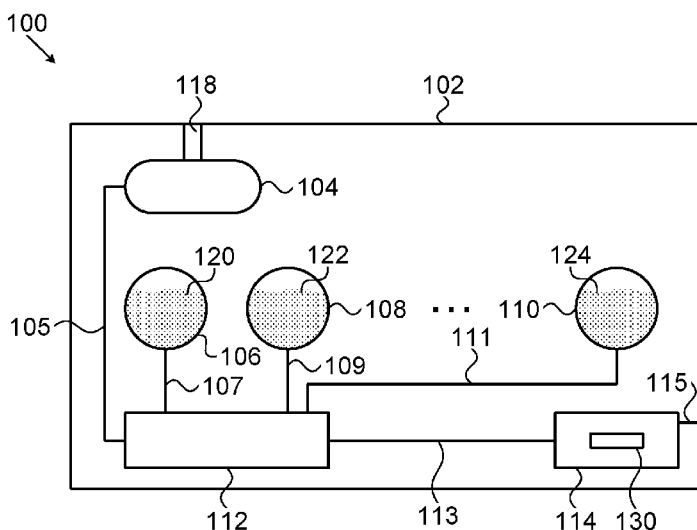


FIG. 1

(57) Abstract: The present invention provides self-contained systems for performing an assay for determining a chemical state, the system including a stationary cartridge for performing the assay therein, at least one reagent adapted to react with a sample; and at least one reporter functionality adapted to report a reaction of the at least one reagent with said sample to report a result of the assay, wherein the at least one reagent, the sample and the at least one reporter functionality are contained within the cartridge.

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