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(54) Title: FLOW CELL ASSEMBLIES AND RELATED REAGENT SELECTOR VALVES

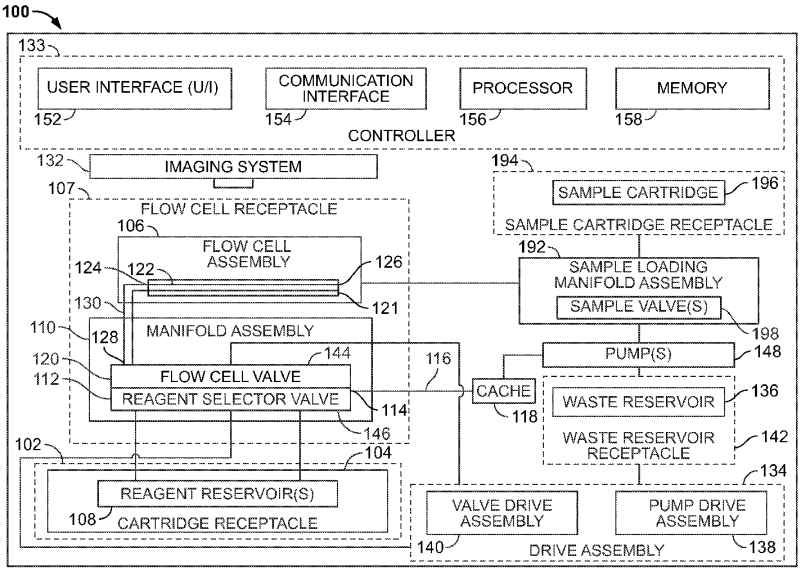

FIG. 1A

(57) Abstract: Flow cell assemblies and related reagent selector valves. In accordance with an implementation, an apparatus includes a system including a reagent cartridge receptacle. The apparatus includes a flow cell assembly. The apparatus includes a reagent cartridge receivable within the reagent cartridge receptacle. The reagent cartridge including a plurality of reagent reservoirs. The apparatus includes a manifold assembly. The manifold assembly including a reagent selector valve adapted to be fluidically coupled to the reagent reservoirs and to selectively flow reagent from a corresponding reagent reservoir to the flow cell assembly. At least a surface of the manifold assembly associated with the reagent selector valve is coupled to a portion of the flow cell assembly.

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