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(54) **Title:** NON-CONTACT DISPENSER ASSEMBLIES AND RELATED SYSTEMS AND METHODS

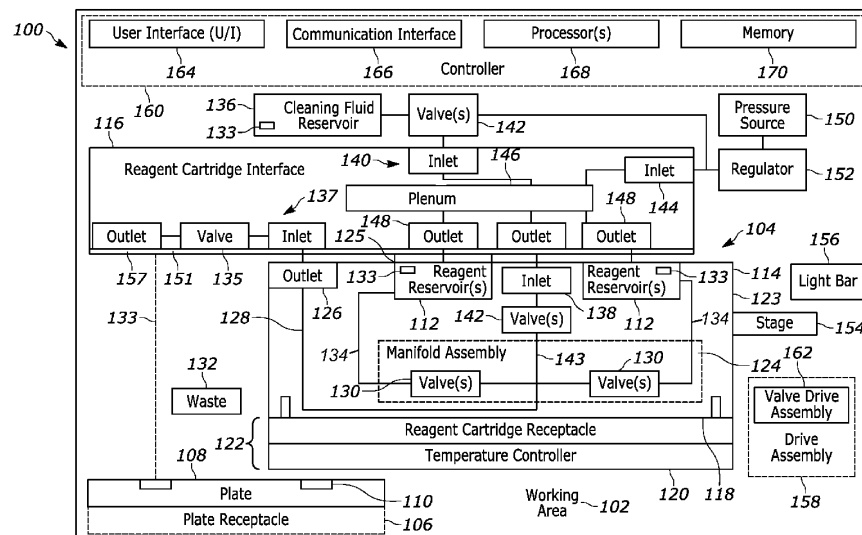


FIG. 1

- (57) **Abstract:** Non-contact dispenser assemblies and related systems and methods are disclosed. An implementation of an apparatus is disclosed that includes a reagent cartridge including a body defining a plurality of reservoirs. Each reservoir has an outlet and a distal end defining an opening, a manifold assembly including an outlet, a common fluidic line fluidly coupled to the outlet, a plurality of reagent fluidic lines coupled to the corresponding outlet of the reservoirs, and a plurality of membrane valves selectively fluidly coupling the common fluidic line and a corresponding one of the plurality of reagent fluidic lines.

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