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(54) **POINT-OF-CARE FLUIDIC SYSTEMS AND USES THEREOF**

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See application file for complete search history.

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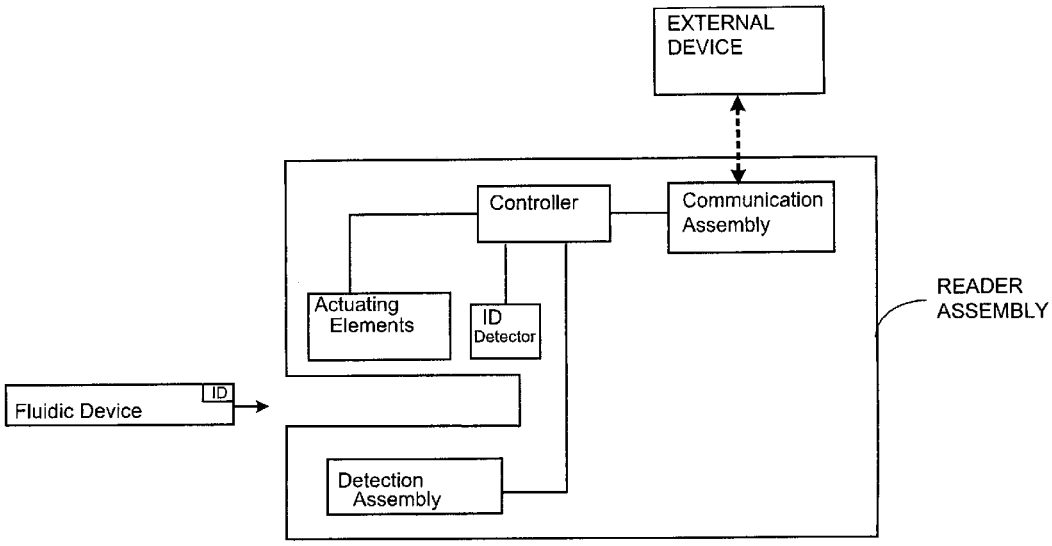
(57) **ABSTRACT**

This invention is in the field of medical devices. Specifically, the present invention provides portable medical devices that allow real-time detection of analytes from a biological fluid. The methods and devices are particularly useful for providing point-of-care testing for a variety of medical applications.

32 Claims, 37 Drawing Sheets