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(54) **REDUCING OPTICAL INTERFERENCE IN A FLUIDIC DEVICE**

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G01N 33/53 (2006.01)

(52) **U.S. Cl.** **435/7.91**; 435/4; 435/7.72; 435/69.2; 435/288.5; 427/2.11; 436/518; 436/543

(58) **Field of Classification Search** ..... None
See application file for complete search history.

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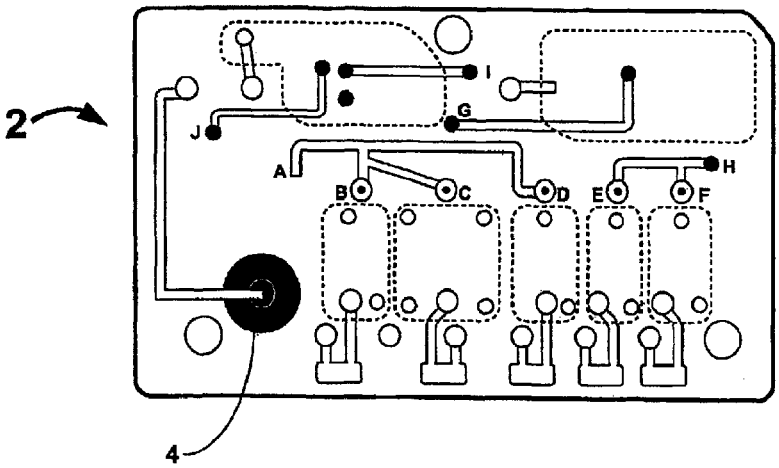
(57) **ABSTRACT**

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. In particular, the medical device reduces interference with an optical signal which is indicative of the presence of an analyte in a bodily sample.

19 Claims, 6 Drawing Sheets