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(54) Title: OBTAINING INFORMATION FROM A BIOLOGICAL SAMPLE IN A FLOW CELL

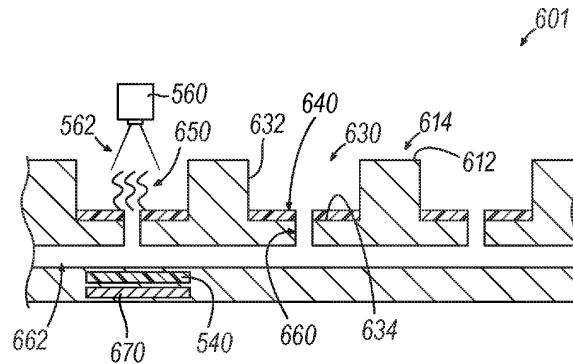


FIG. 10

(57) Abstract: Methods are used for obtaining, cataloguing, and/or storing data derived from a biological source using a flow cell body, electrodes, and an imaging assembly. The data may include DNA and/or RNA obtained from a biological source, such as from the cells of an organism. The methods may be used to obtain, catalog, and/or store data such as DNA or RNA sequence from a pathogen such as a virus and/or a bacteria, human health data over time, and immune system information from an individual. The data obtained using the disclosed methods may be used for a variety of different purposes, including the manufacture of vaccine compositions, and for restoring the immune system of an individual who has undergone an immune system depleting event. The methods may be used for storage of biological cells, which may be used for the screening of compounds, such as small molecules with potential for therapeutic indications.

[Continued on next page]

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