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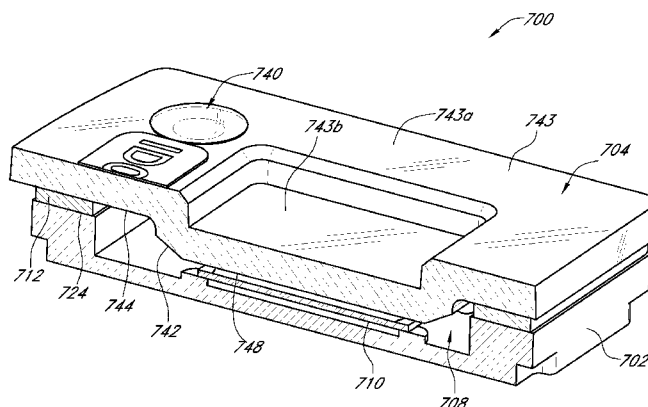
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(54) Title: CASE FOR CONTAINING BIOLOGICAL SAMPLES AND CORRESPONDING METHOD OF USE

**FIG. 25**

(57) **Abstract:** A case for containing biological samples includes a base, a substrate, and a cover. The substrate includes a plurality of reaction regions disposed along a surface of the substrate and configured to receive one or more biological samples. The cover includes a downward facing surface, is configured to be attached to the base to provide a cavity containing the substrate, and is configured so that the downward facing surface of the cover is parallel or approximately parallel to the substrate surface. The cover may comprise a fill port disposed along the inner surface and is configured for at least partially filling the cavity when the cover is attached to the base. The base may comprise a plurality of tabs located on an upward facing surface thereof, wherein the substrate is attached to the base by physical contact between at least some of the tabs and the substrate.