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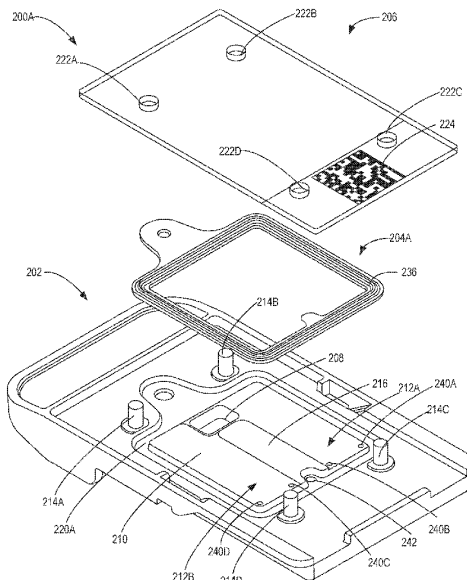


FIG. 2A

(57) Abstract: A cartridge for imaging a biological sample is disclosed. The cartridge includes a housing including: (i) a port and (ii) a recess for receiving the biological sample. The cartridge additionally includes a gasket surrounding at least a portion of the recess of the housing, wherein the gasket includes at least one wall defining a boundary of a reservoir, wherein the reservoir includes the recess, and wherein the reservoir is in fluid communication with the port. The cartridge further includes a sheet interfaced with the at least one wall of the gasket, wherein when the at least one wall is interfaced with the sheet, the reservoir is defined as an area between the at least one wall, the recess of the housing, and a surface of the sheet, and wherein the sheet is optically transparent.

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