

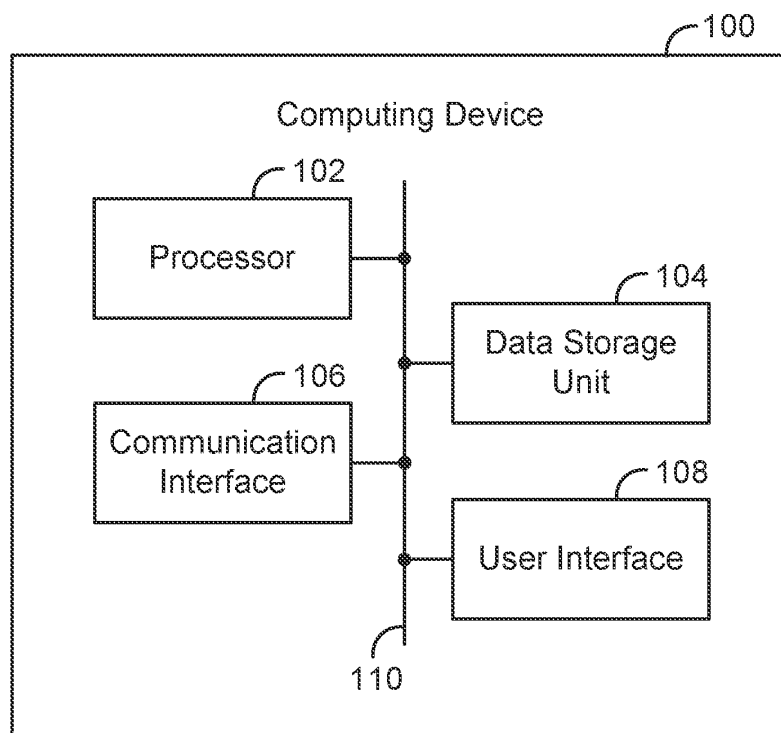


FIG. 1

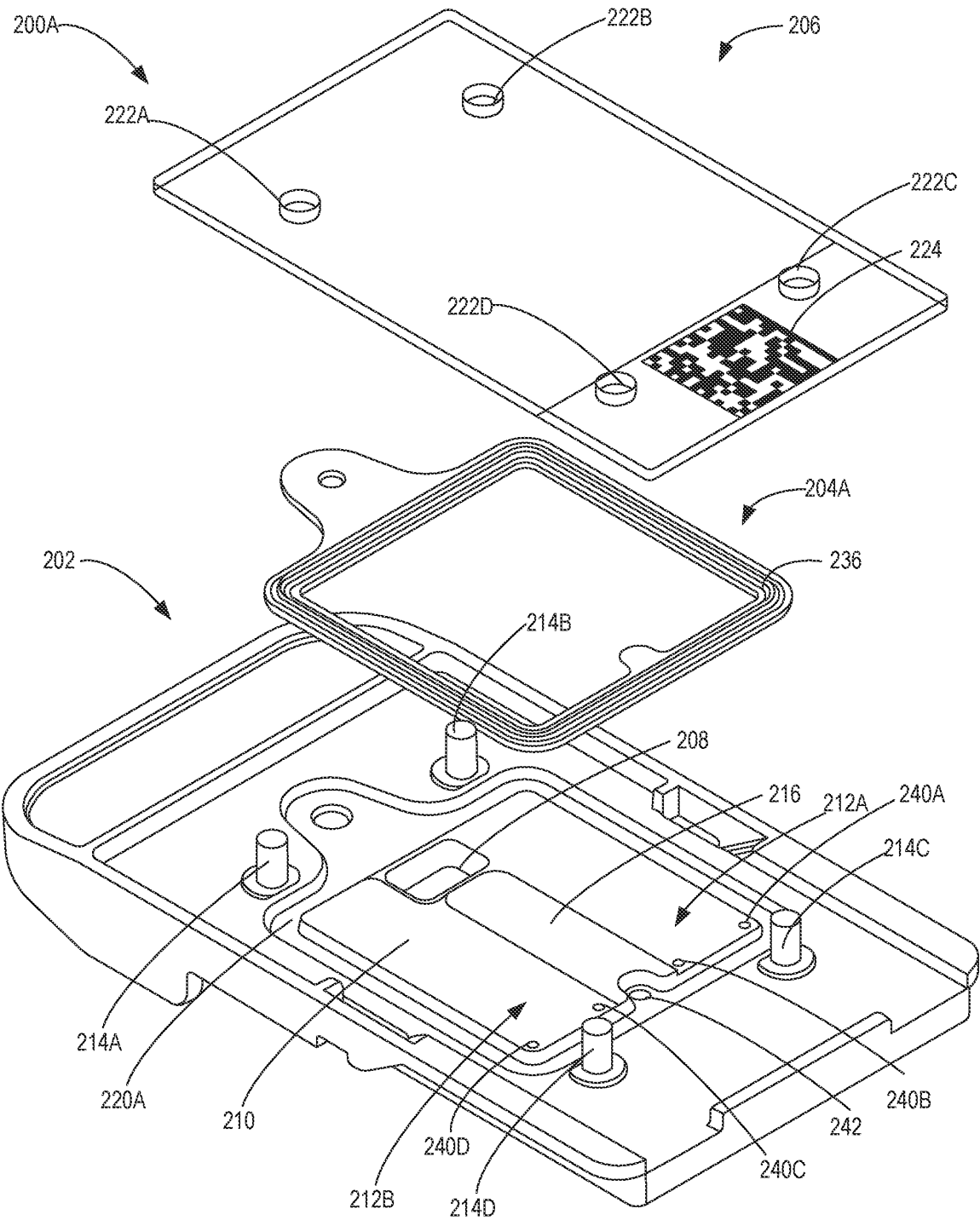


FIG. 2A

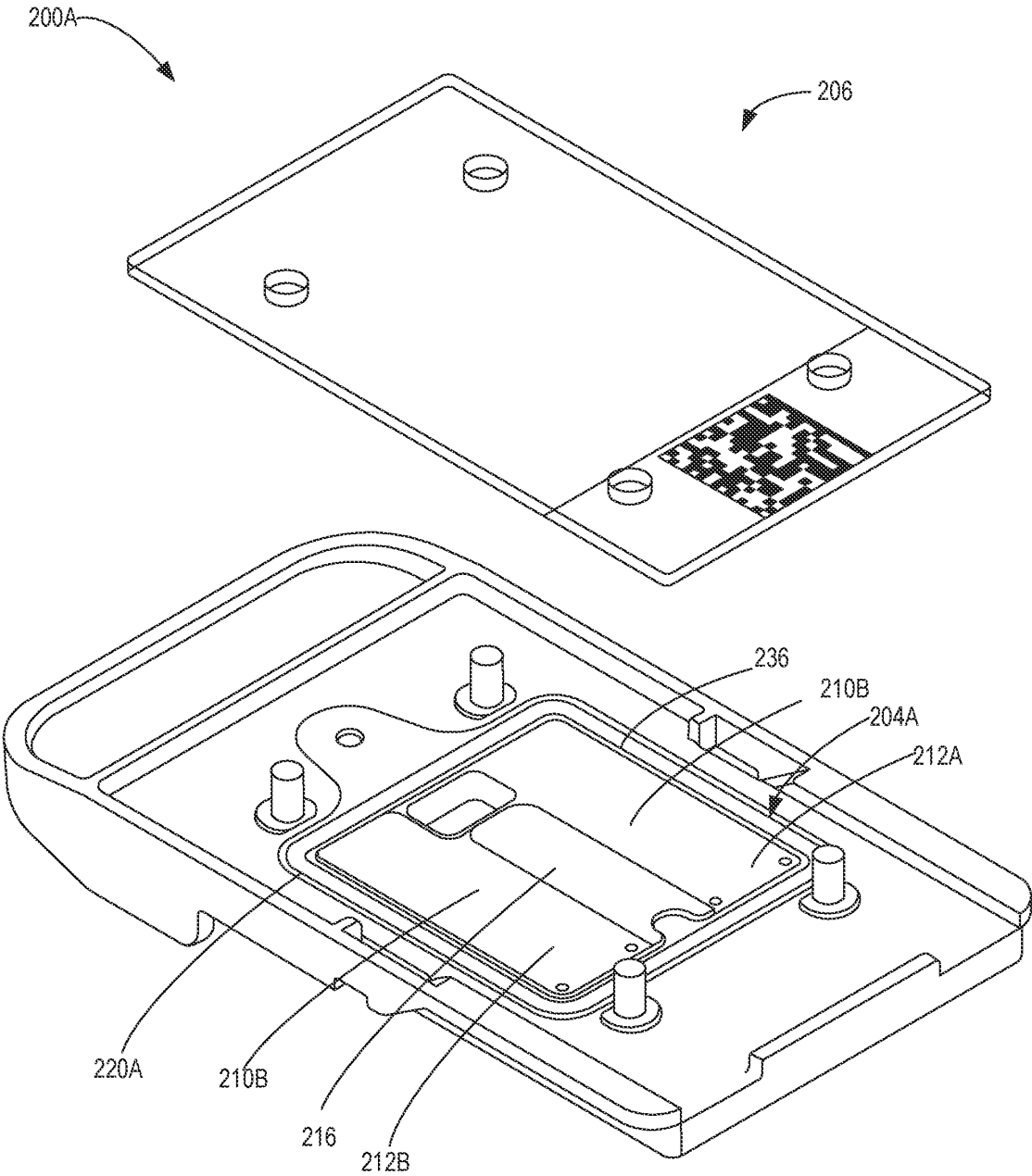


FIG. 2B

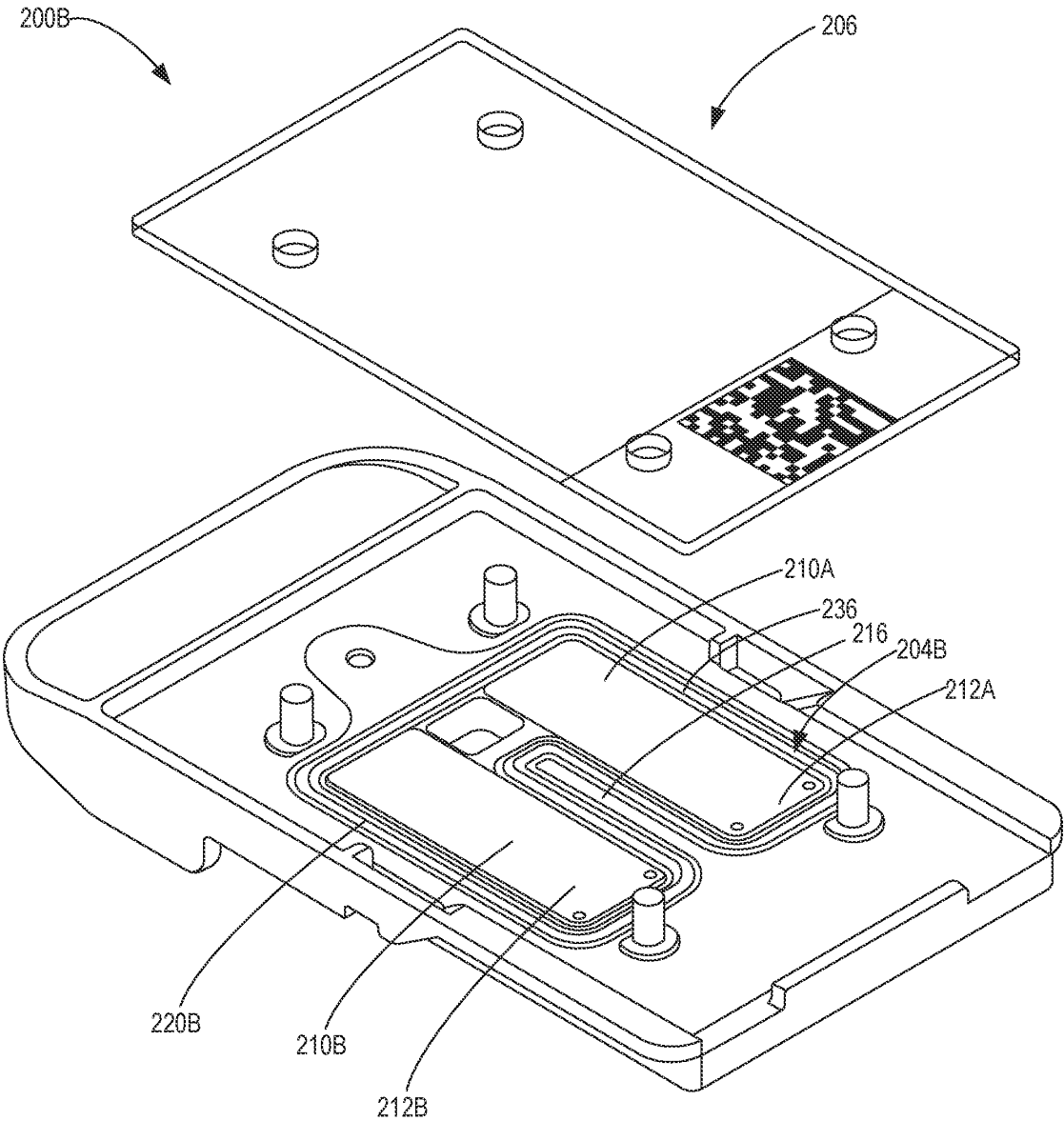


FIG. 2C

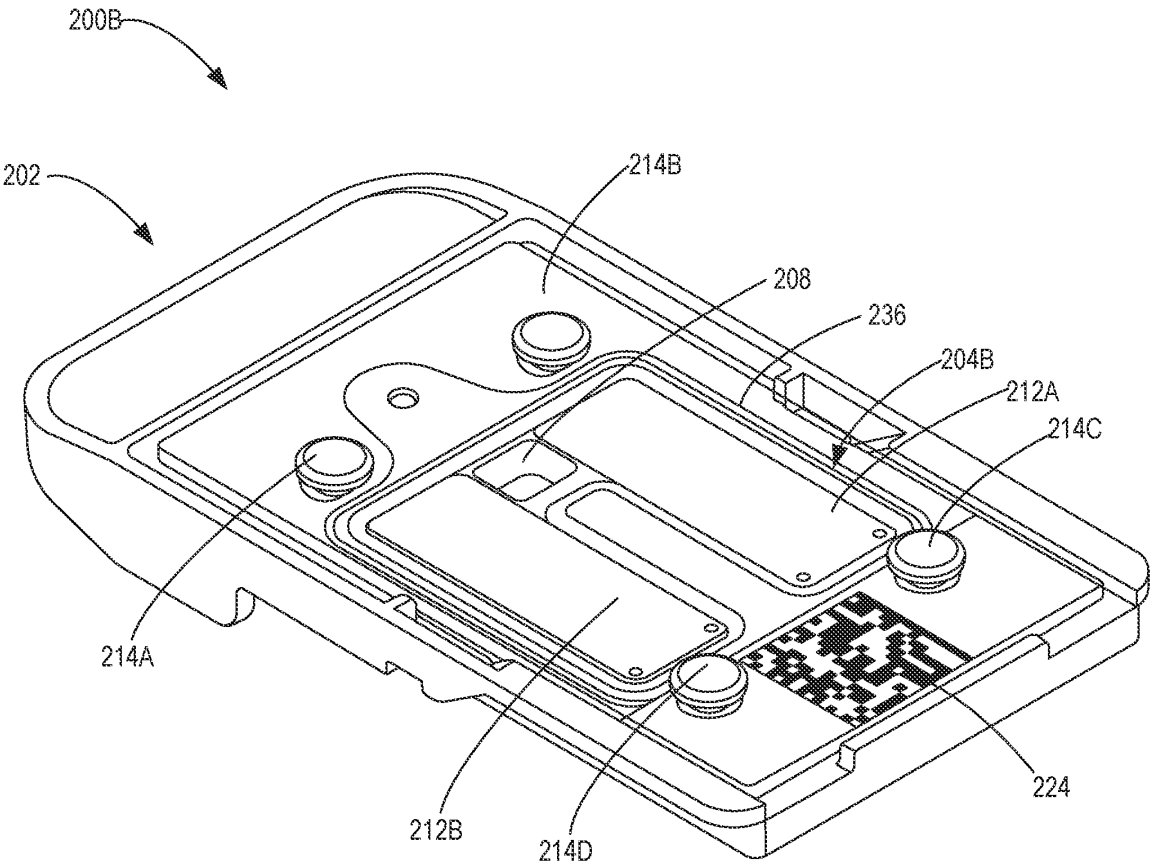


FIG. 2D

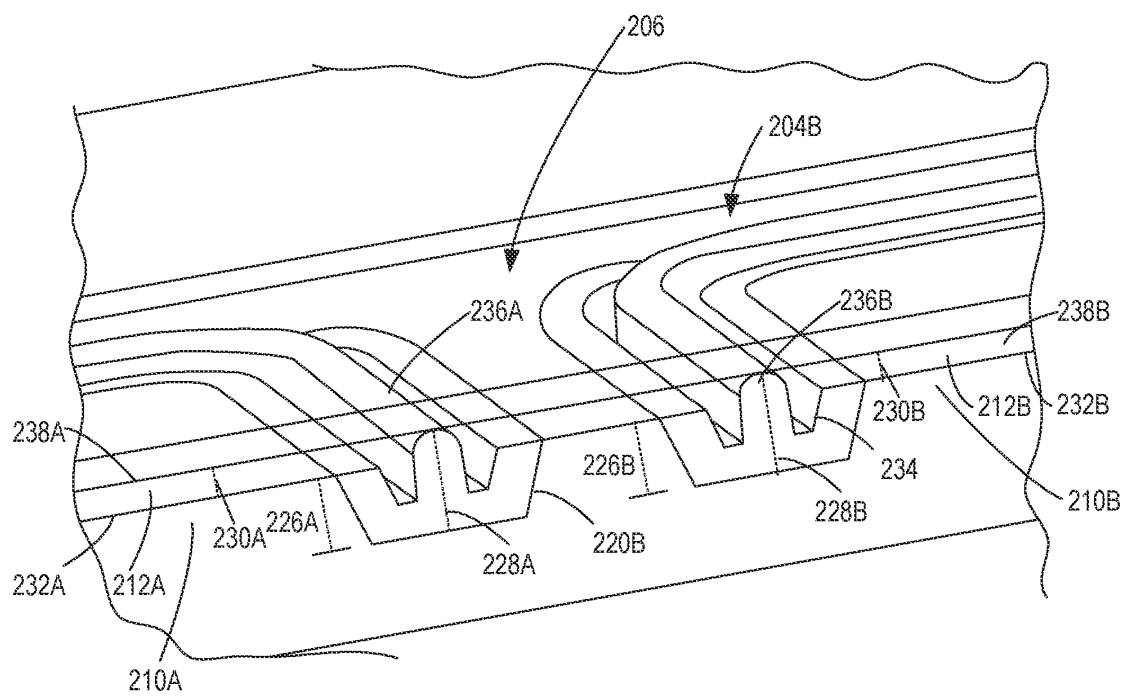


FIG. 2E

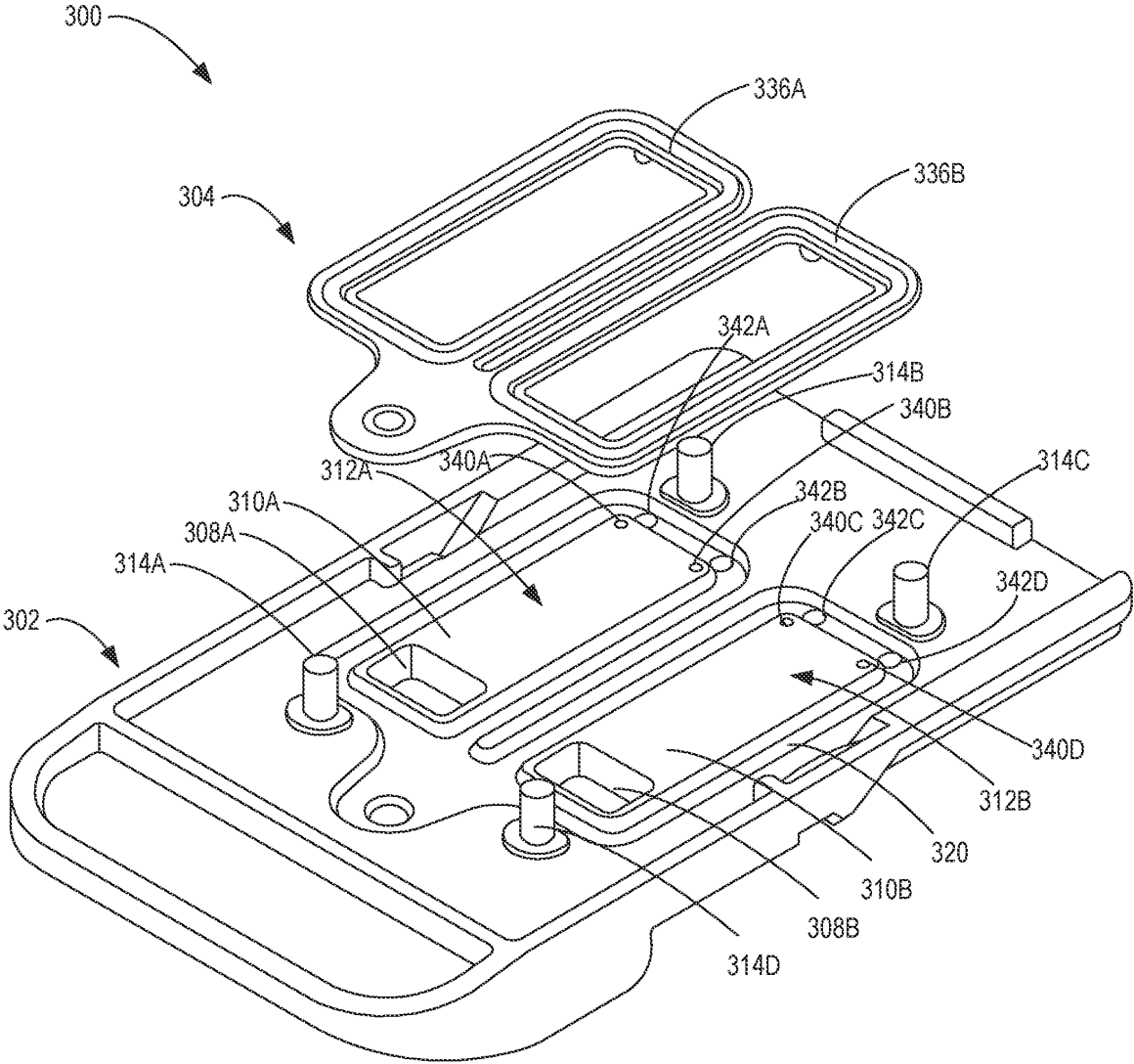


FIG. 3A

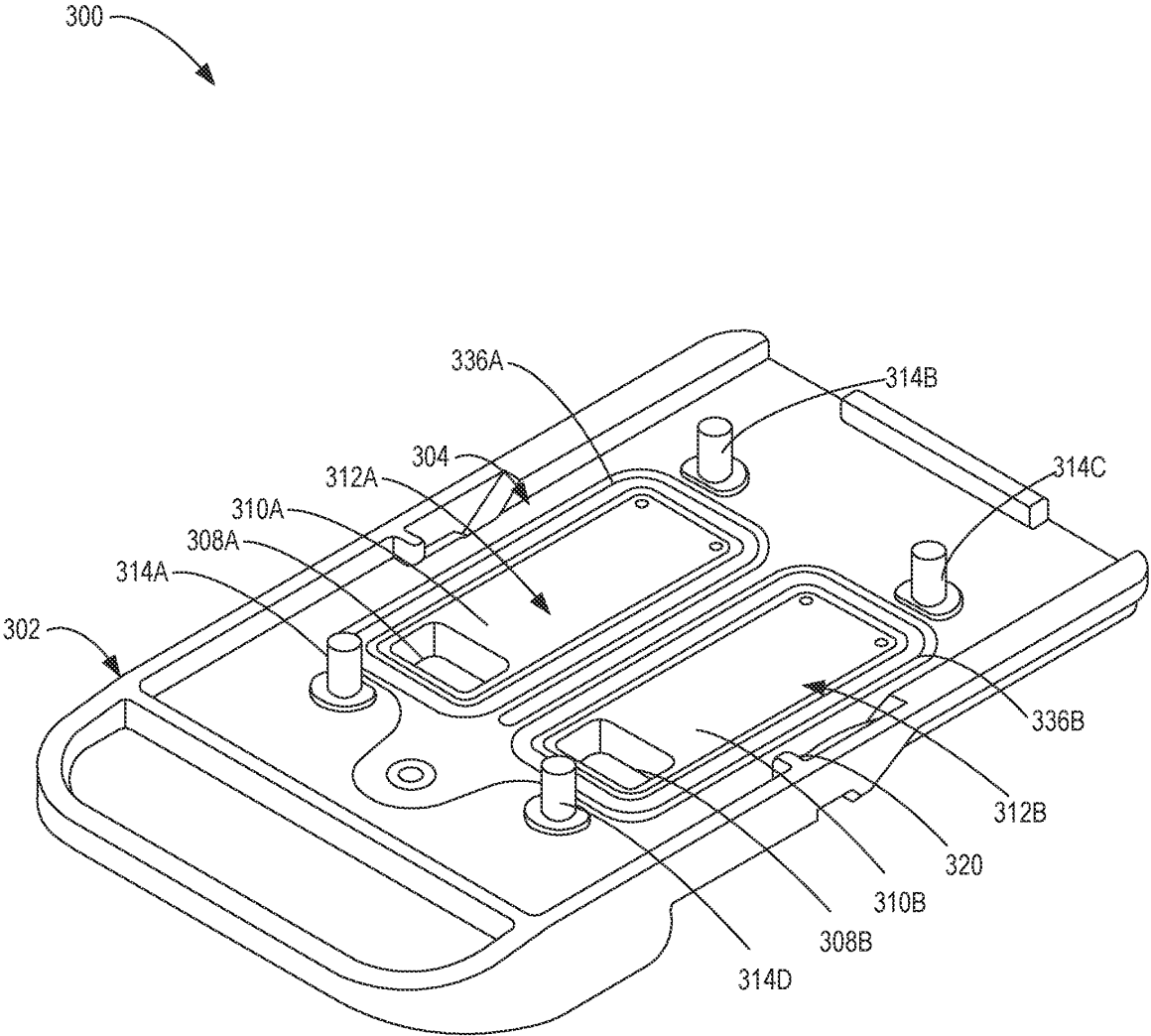


FIG. 3B

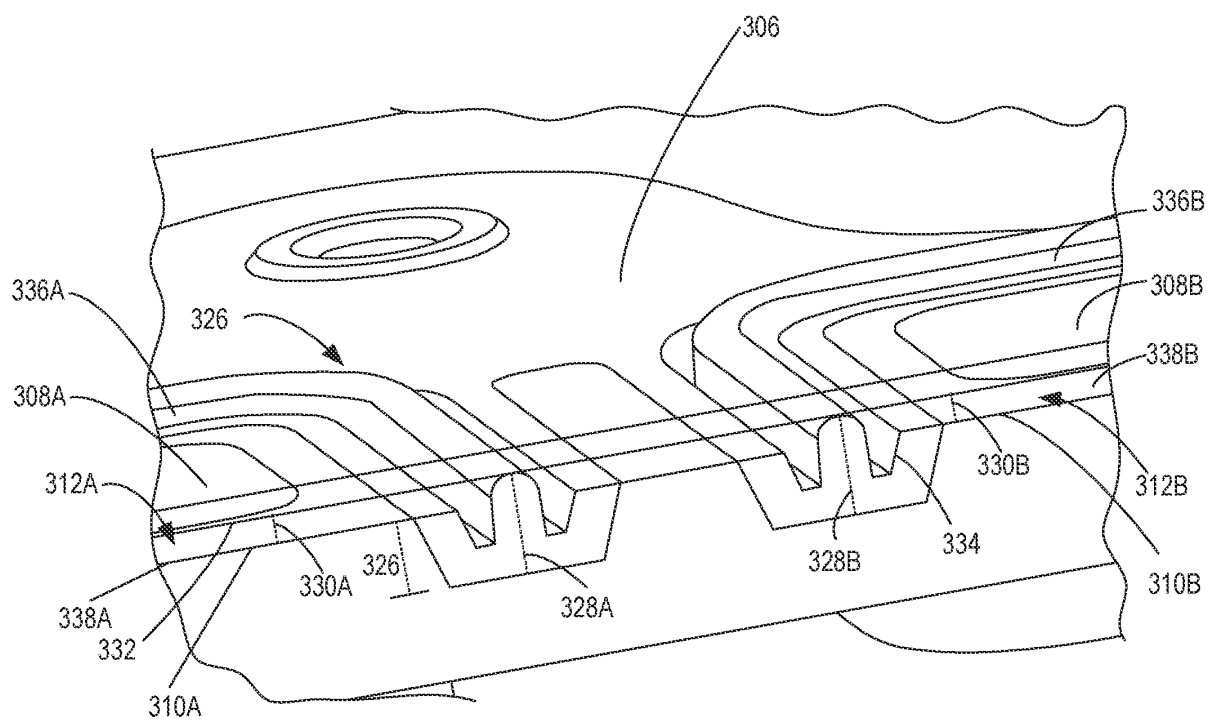


FIG. 3C

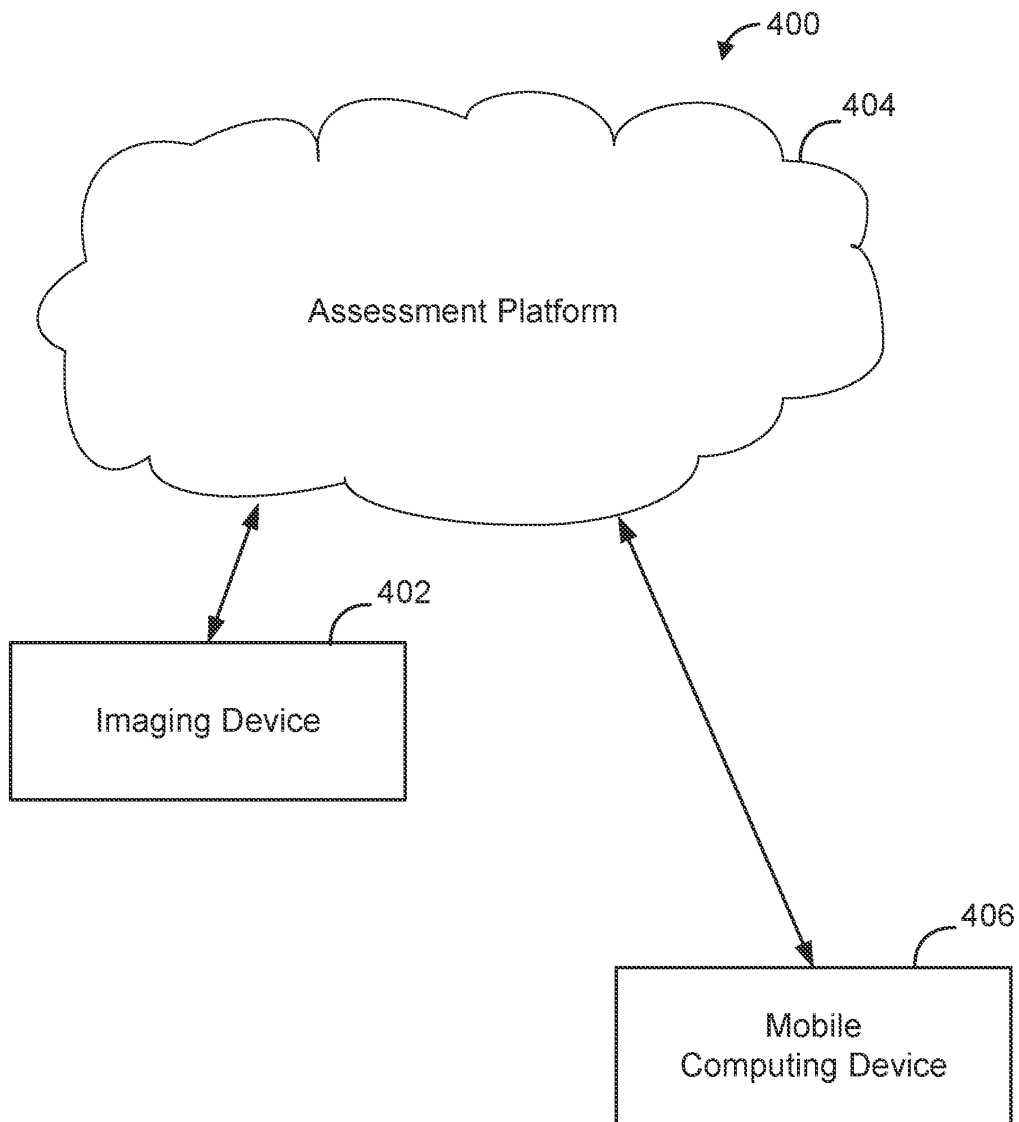


FIG. 4

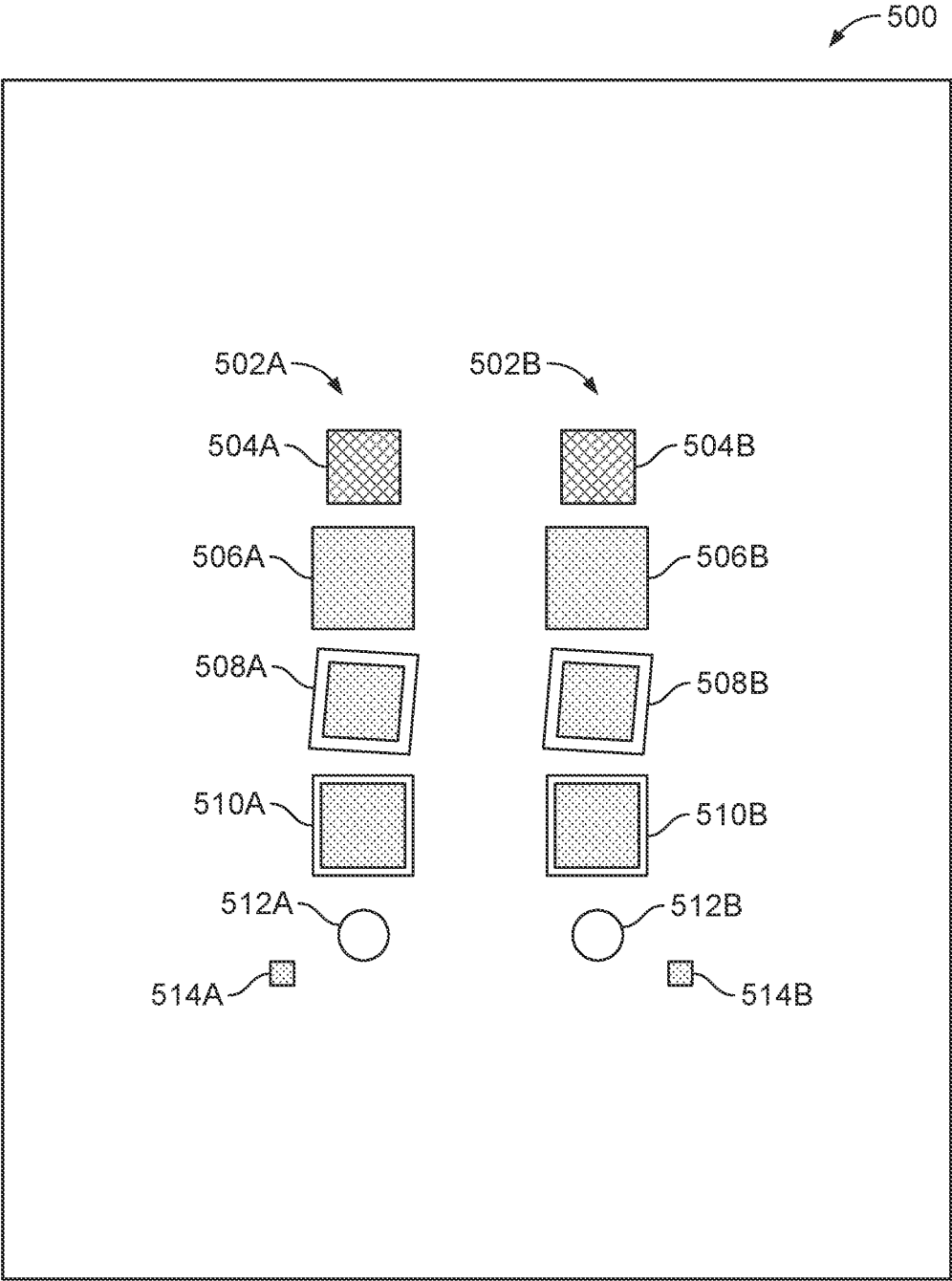


FIG. 5

600

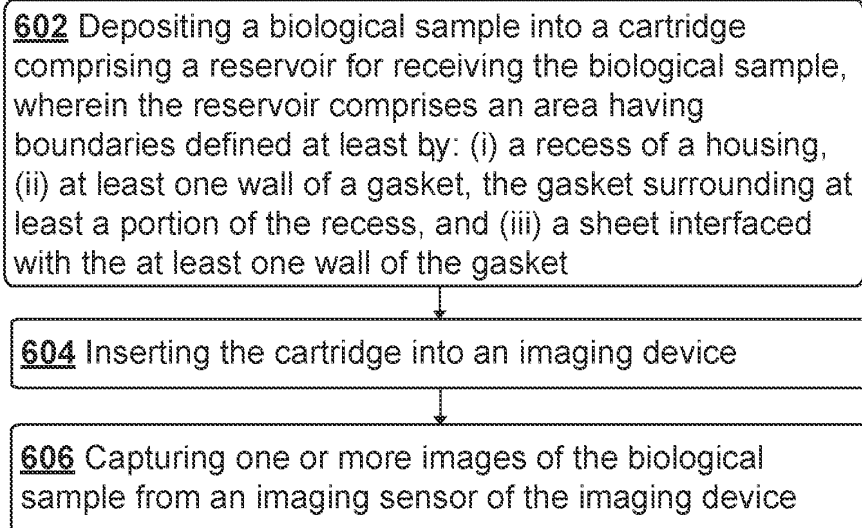


FIG. 6

700

702 Fabricating a housing comprising (i) a port and (ii) a recess for receiving a biological sample

704 Surrounding the recess with a gasket, wherein the gasket comprises at least one wall defining a boundary of a reservoir, wherein the reservoir comprises the recess, and wherein the reservoir is in fluid communication with the port

706 Disposing a sheet onto 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

FIG. 7

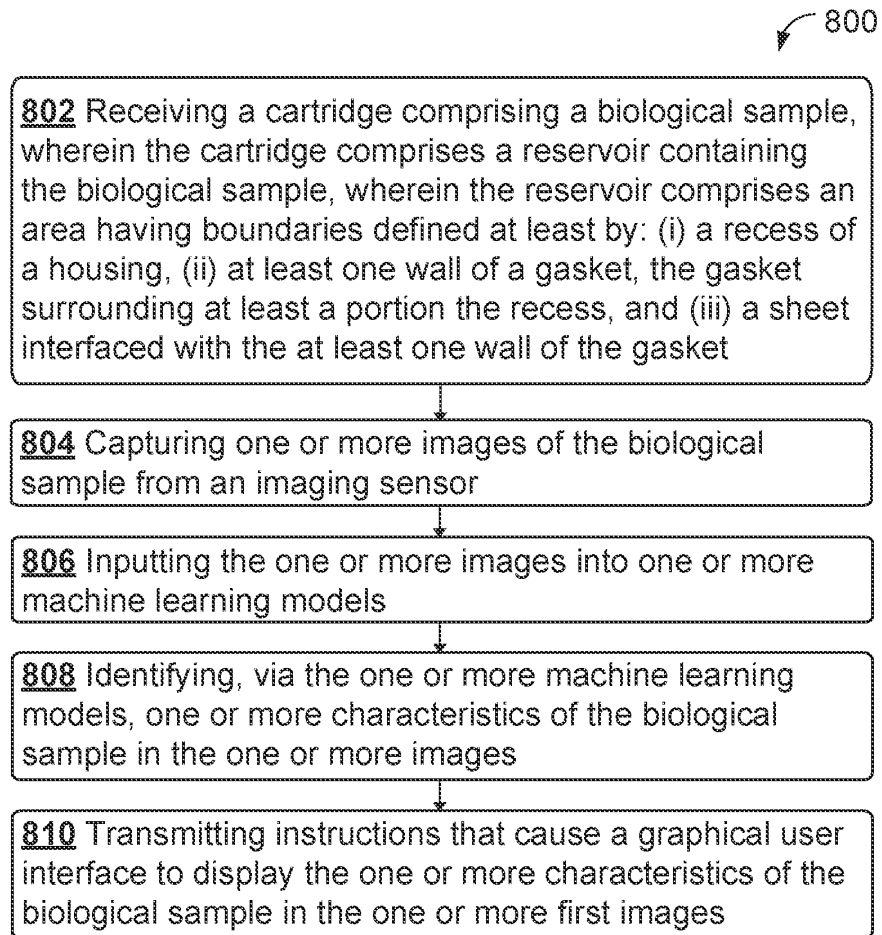


FIG. 8

900

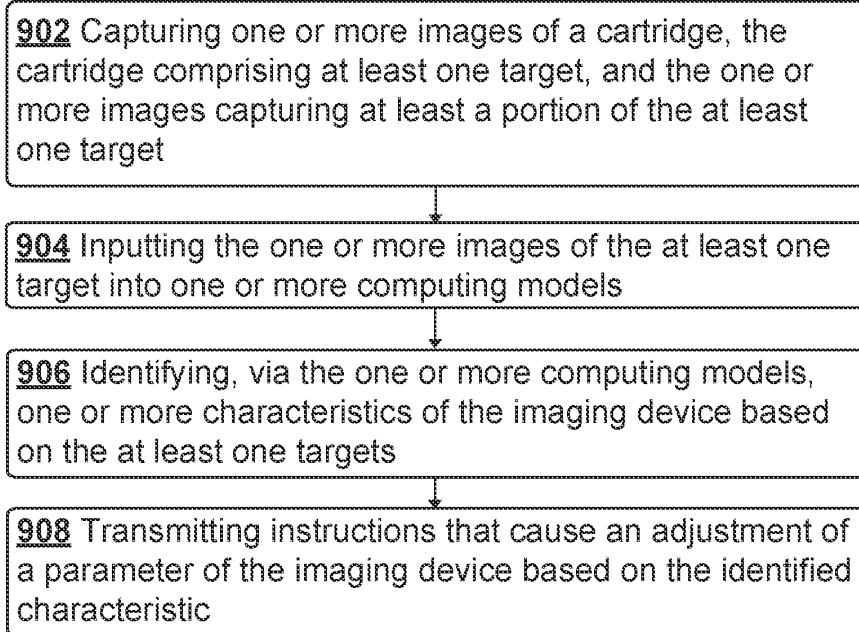


FIG. 9