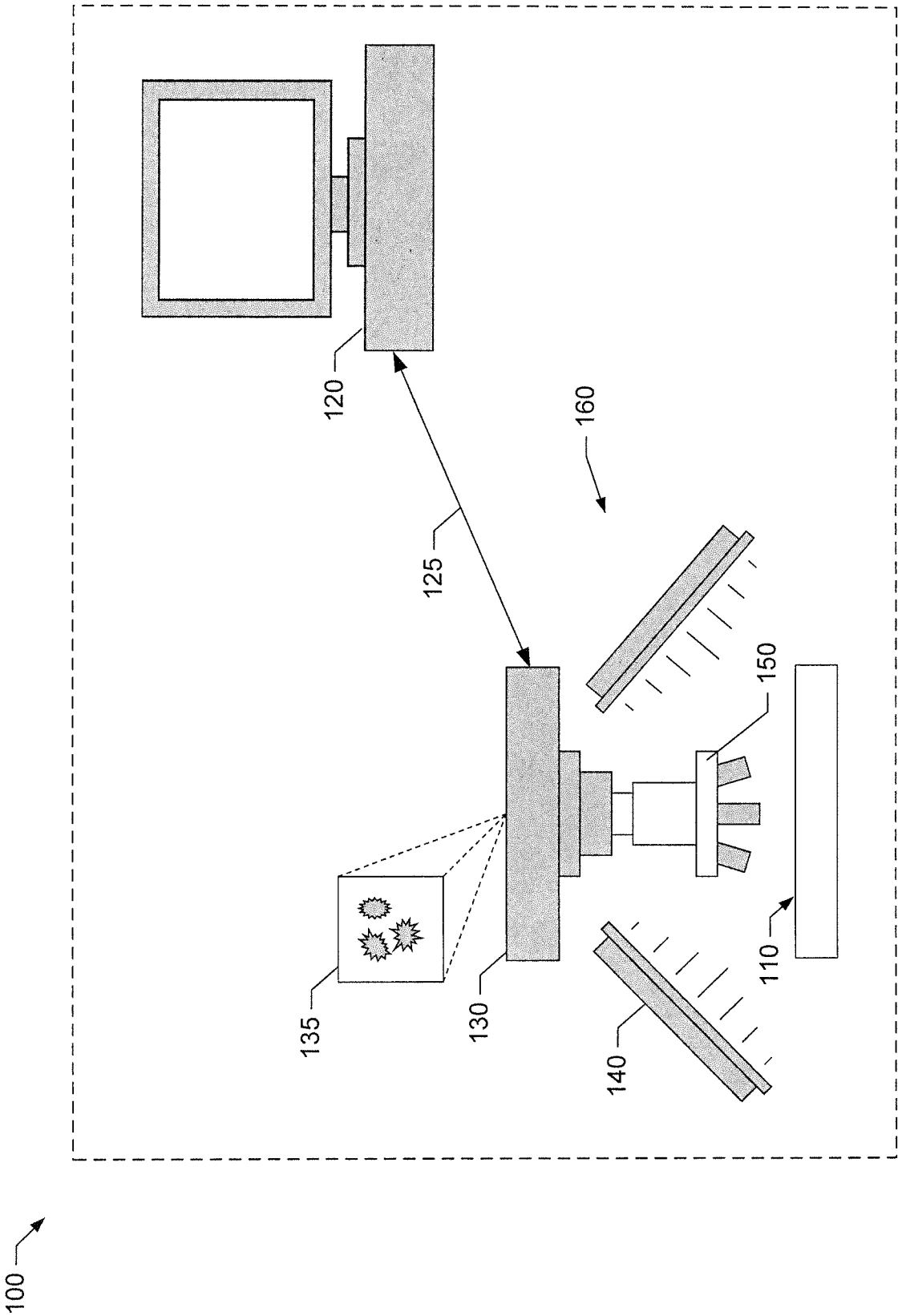


FIG. 1

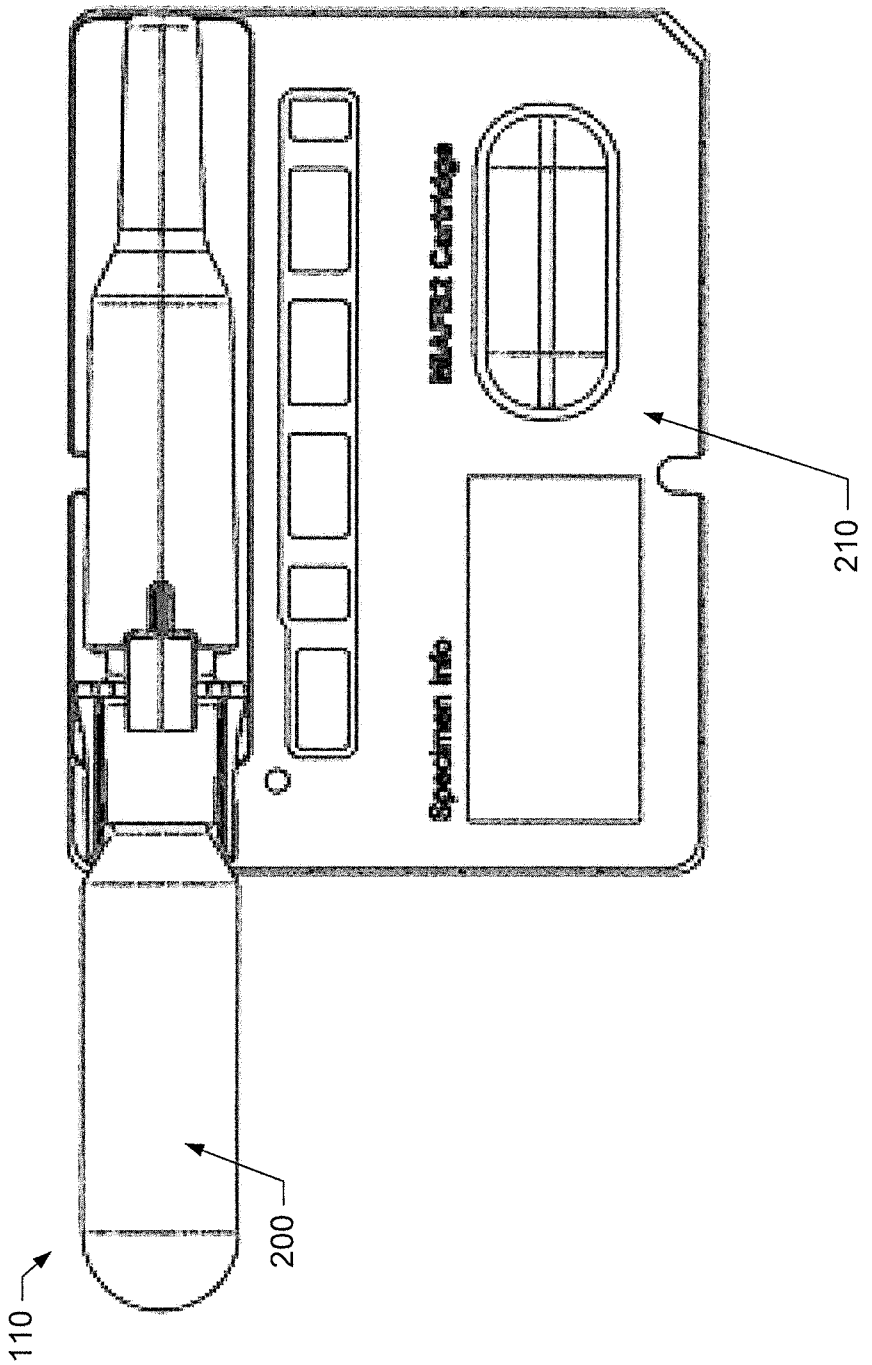


FIG. 2

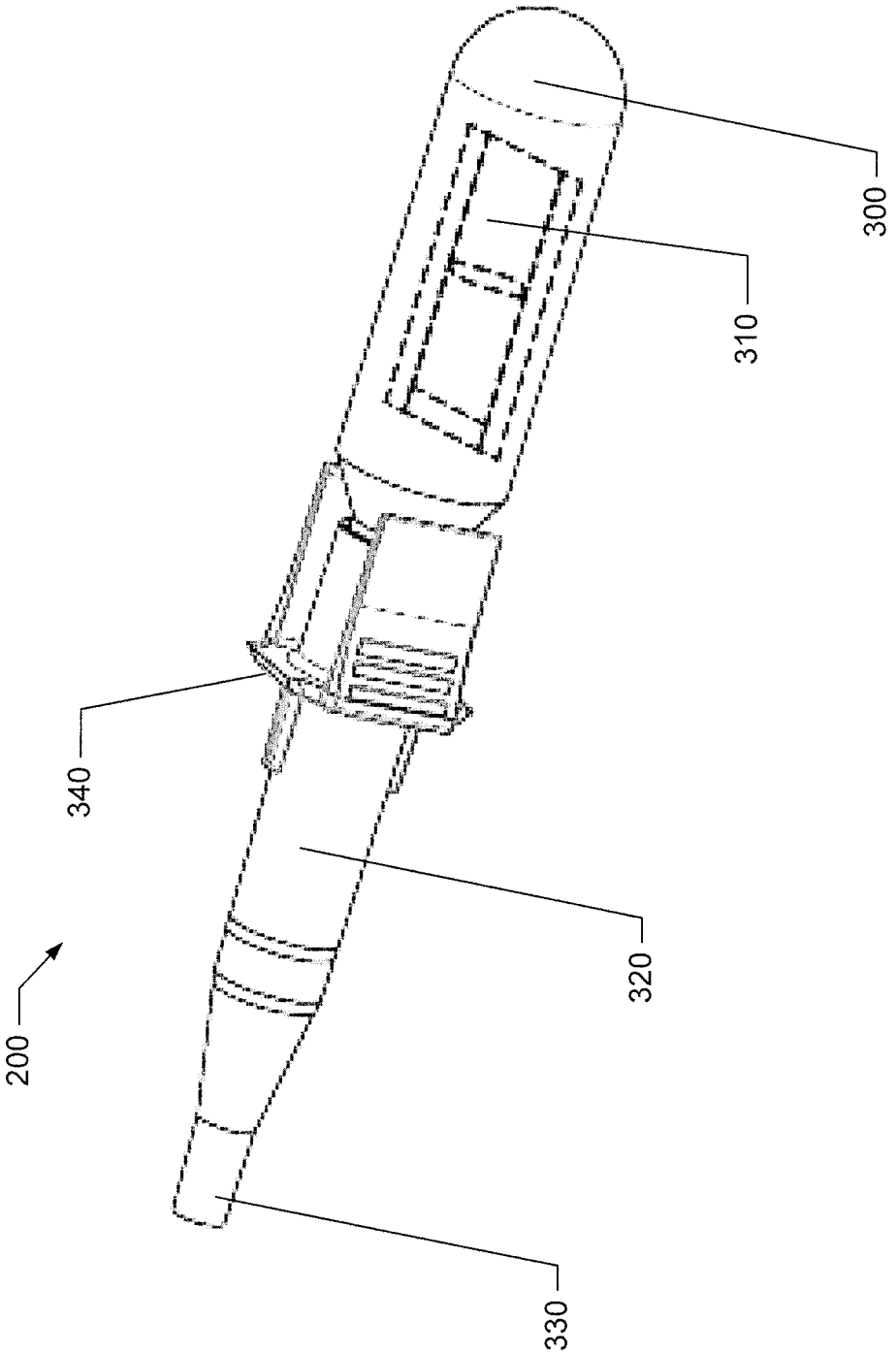


FIG. 3

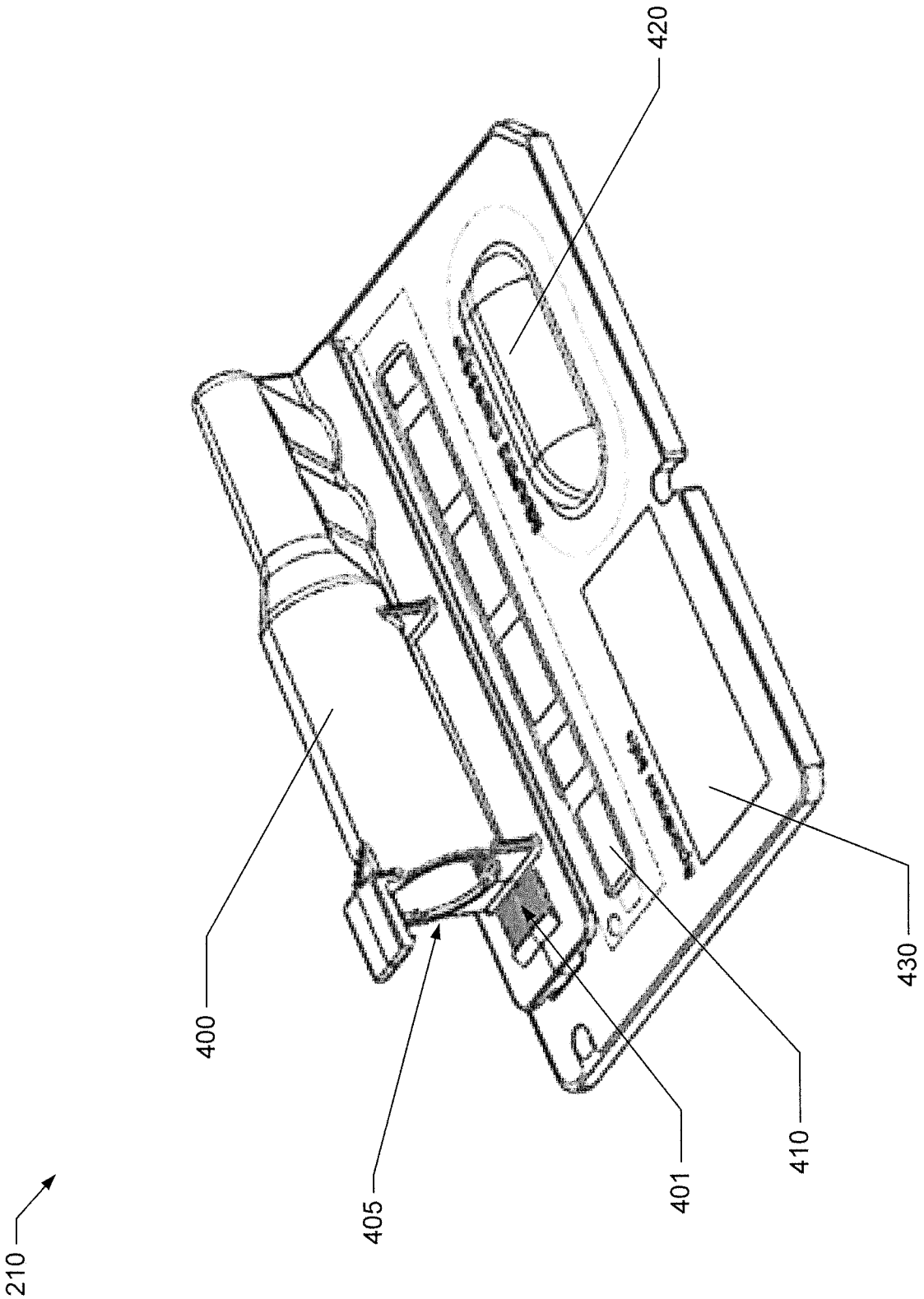


FIG. 4A

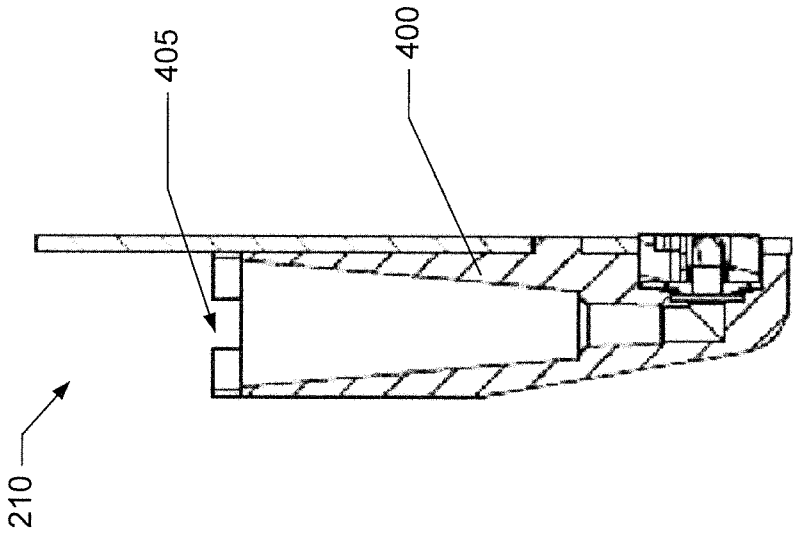


FIG. 4C

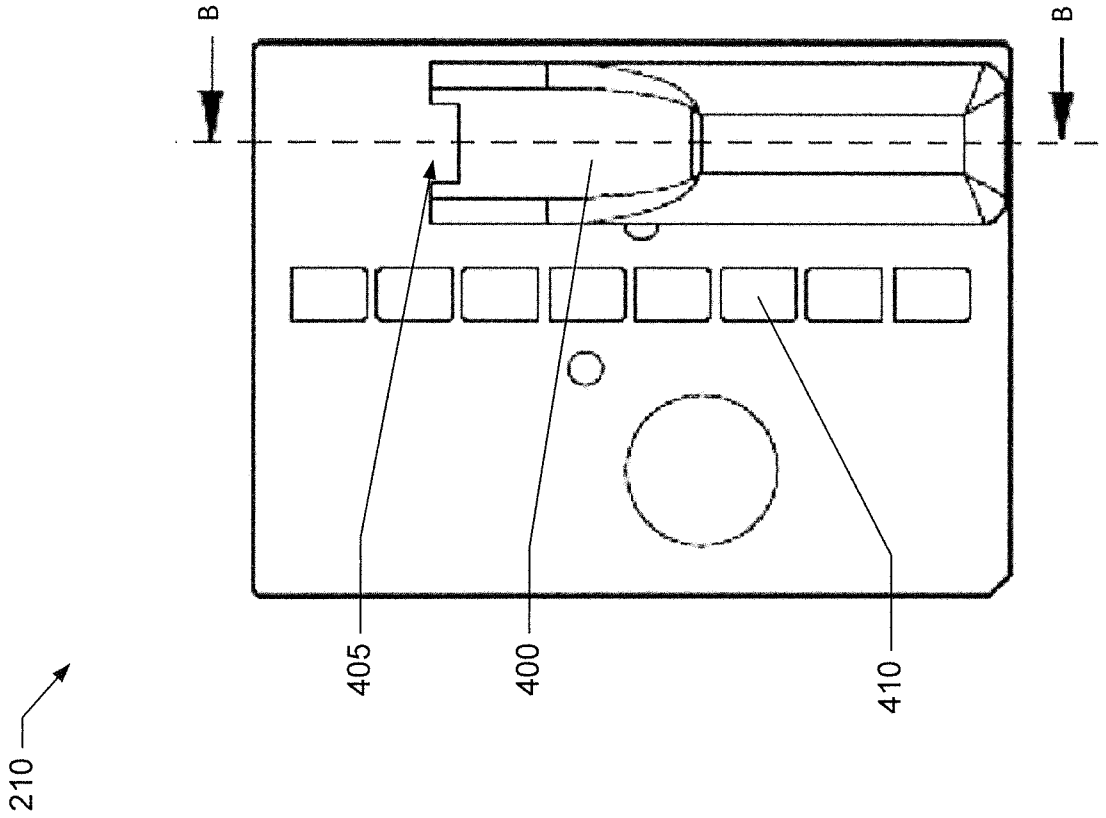


FIG. 4B

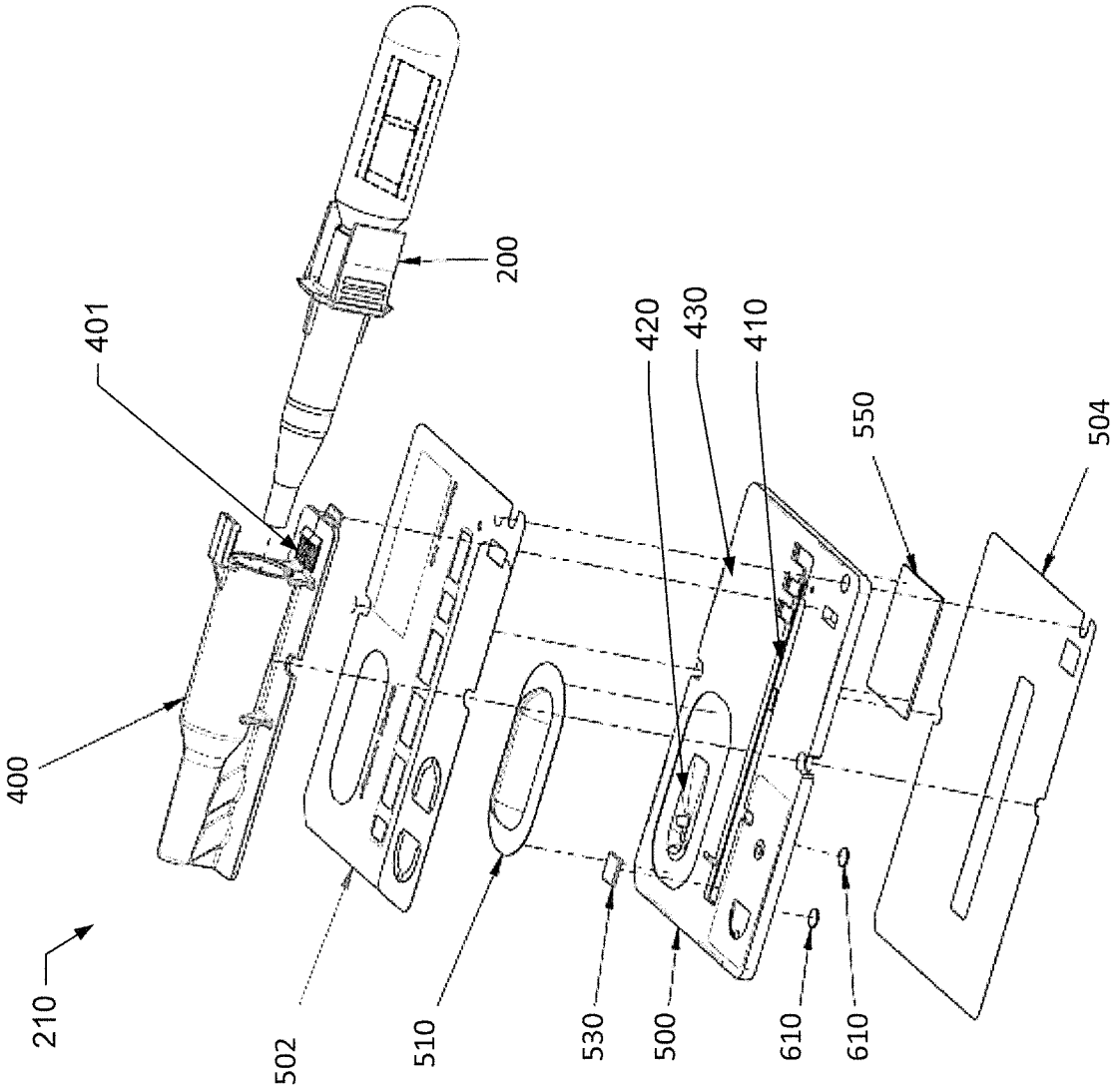


FIG. 5A

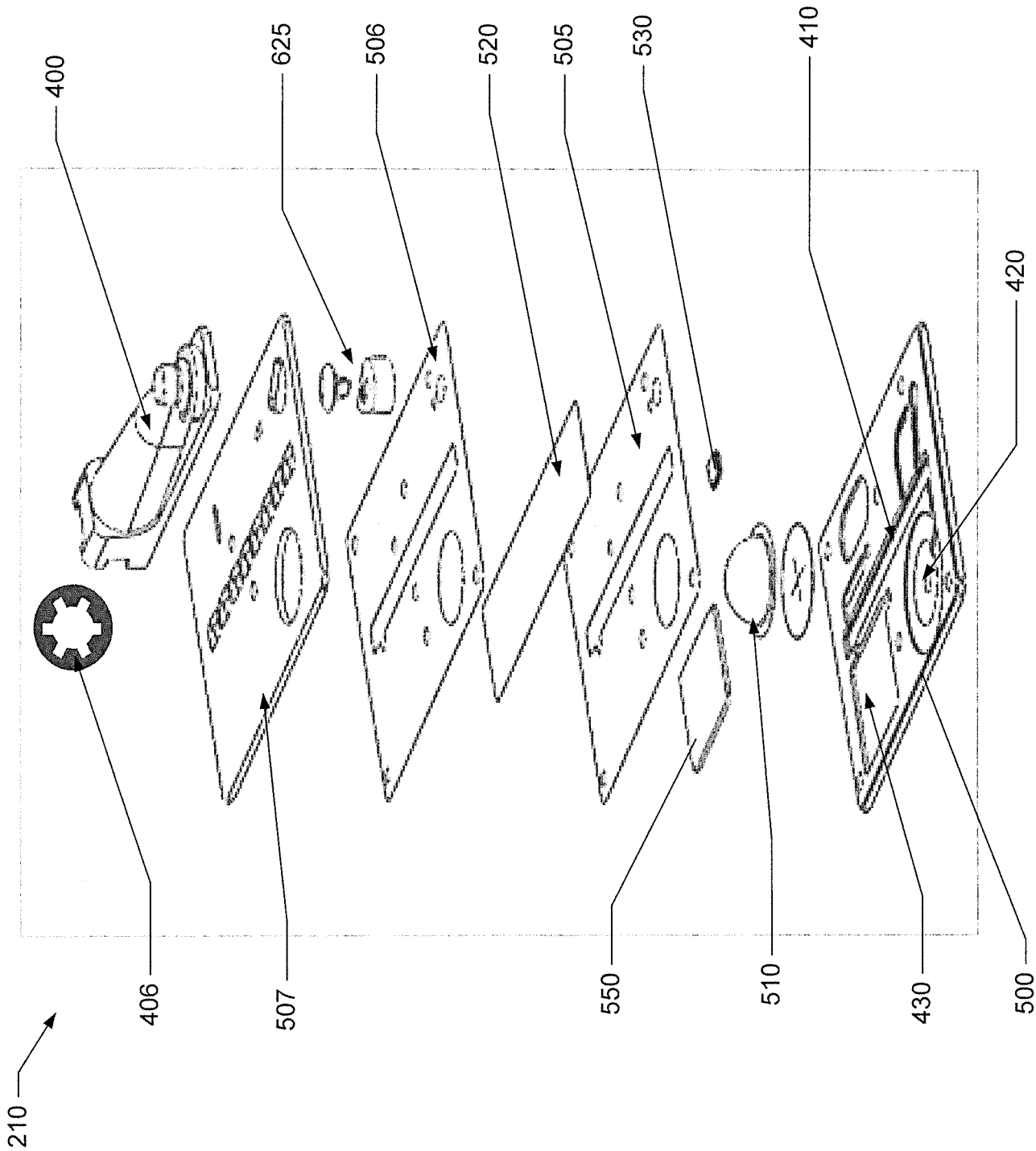


FIG. 5B

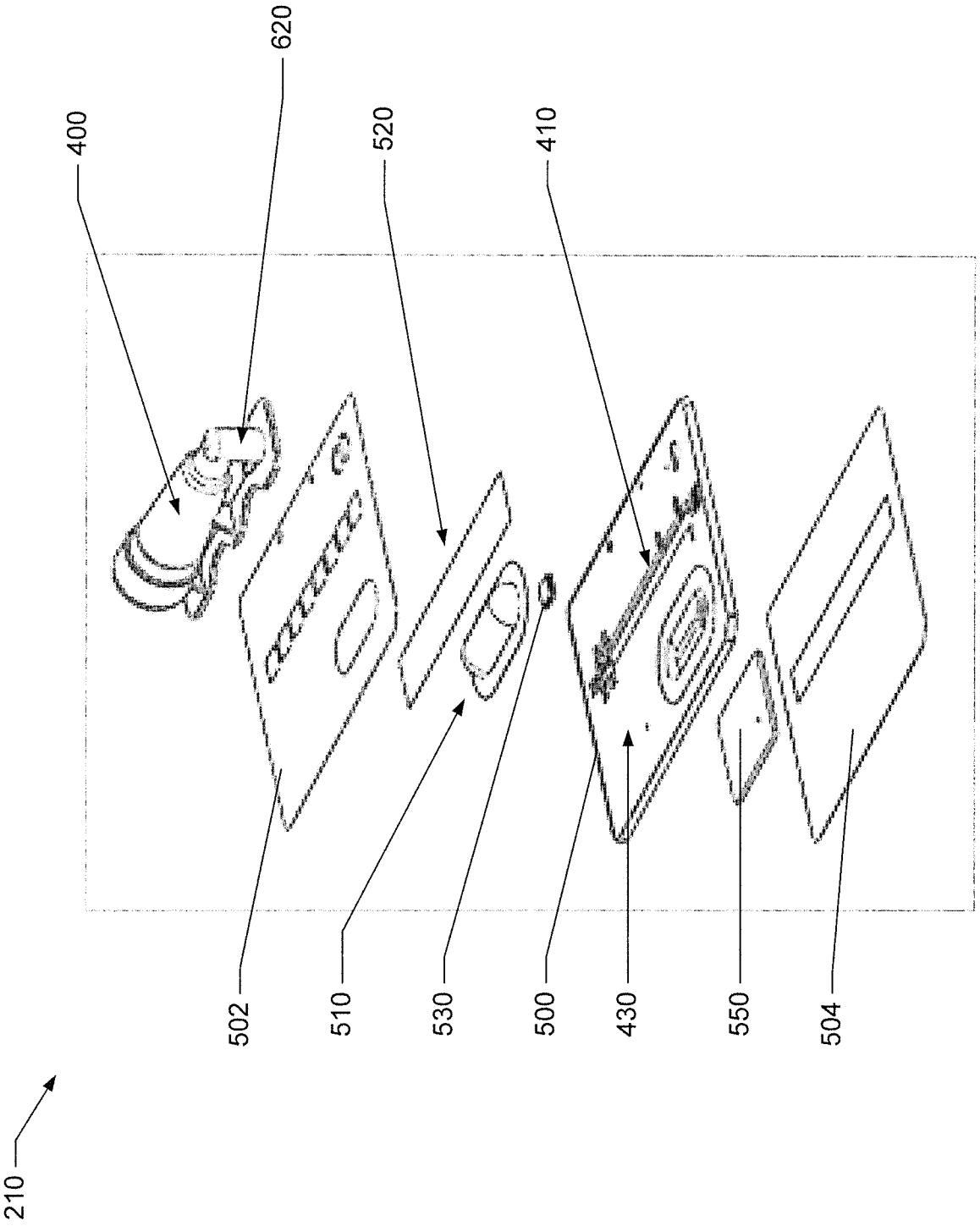


FIG. 5C

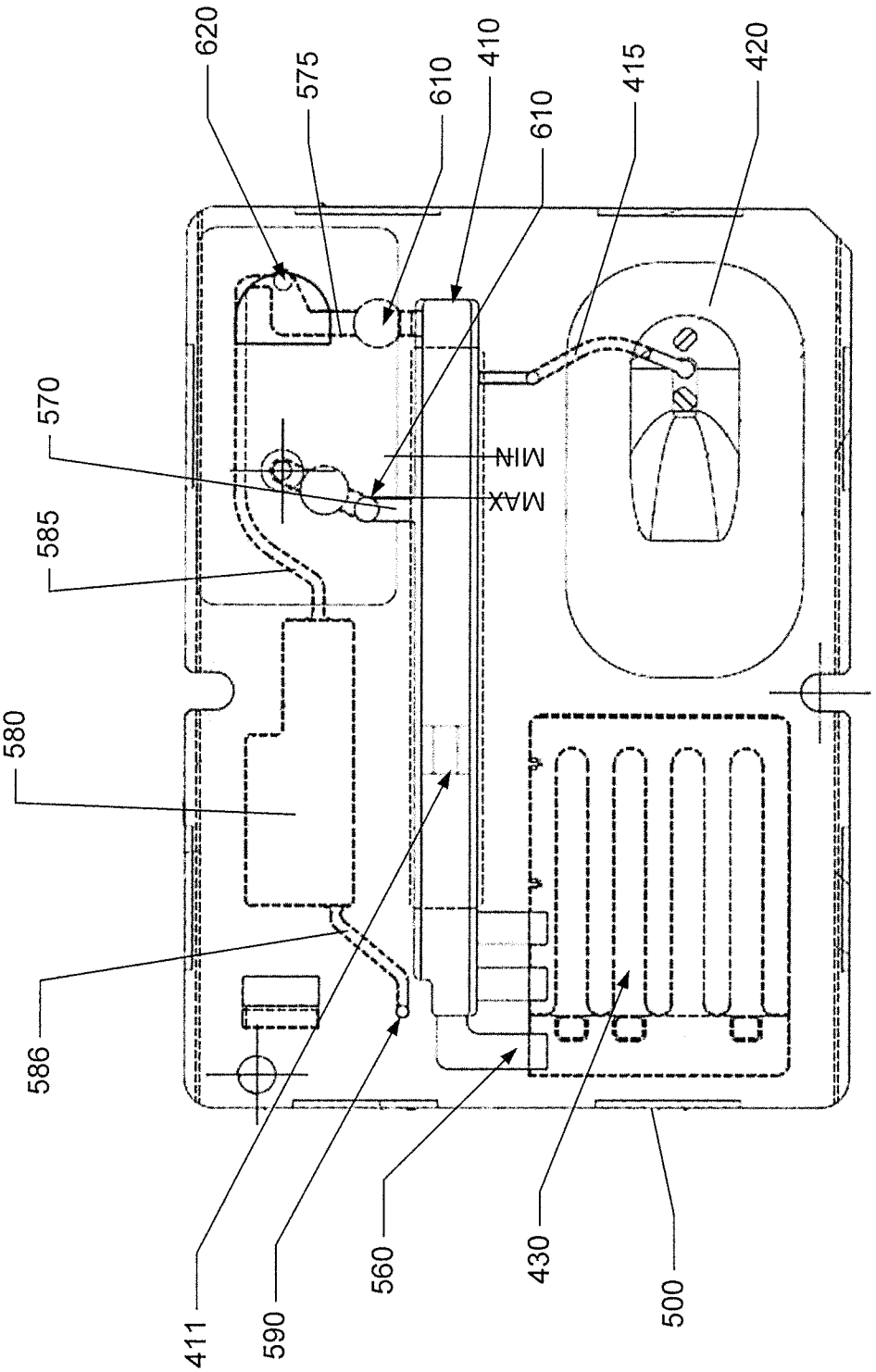

620
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580
586
411
590
560
430
500

FIG. 6A

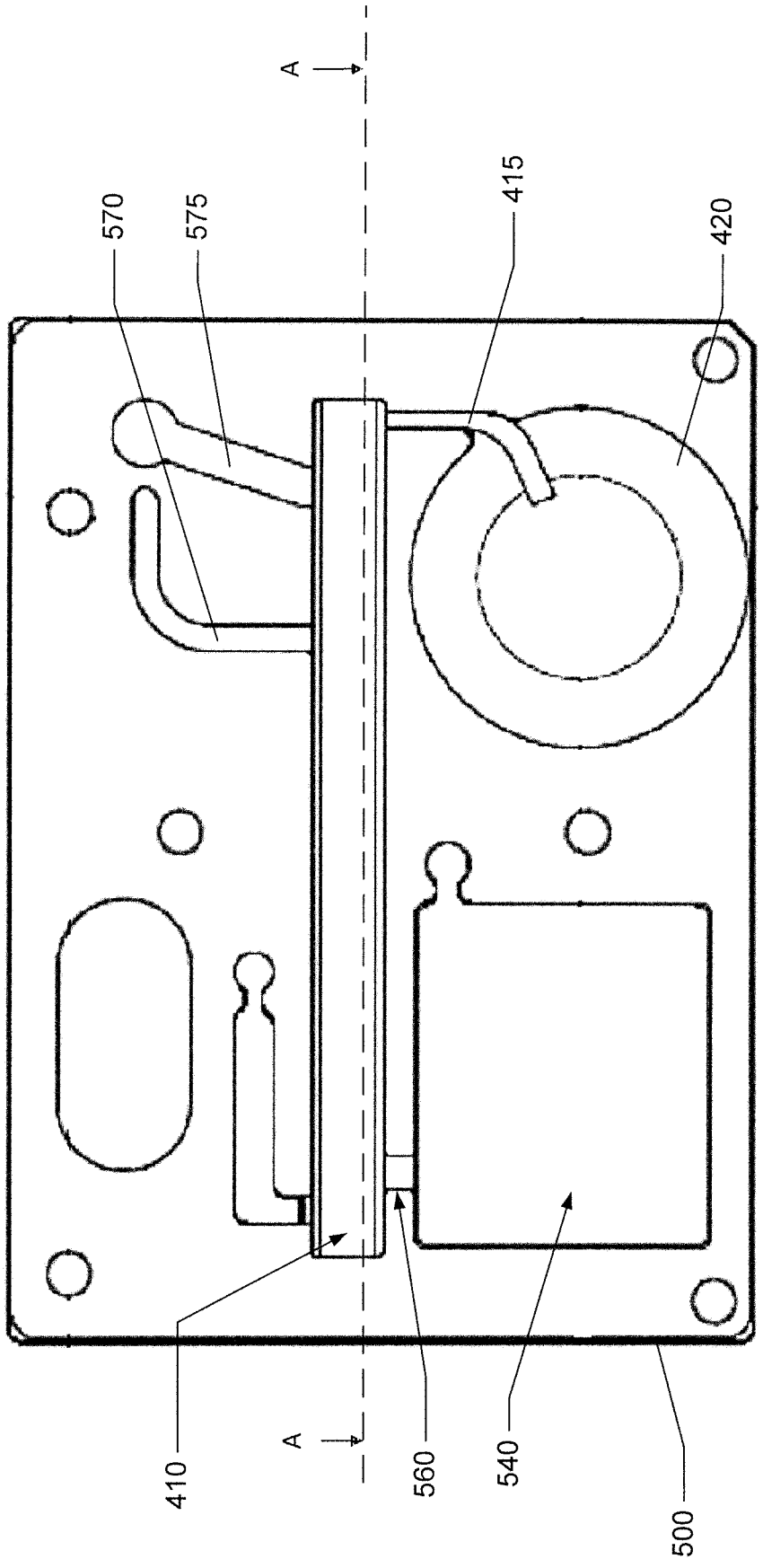


FIG. 6B

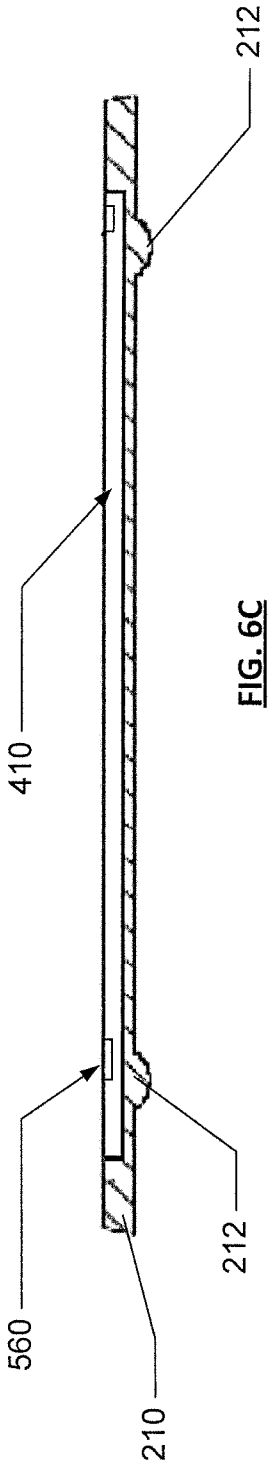


FIG. 6C

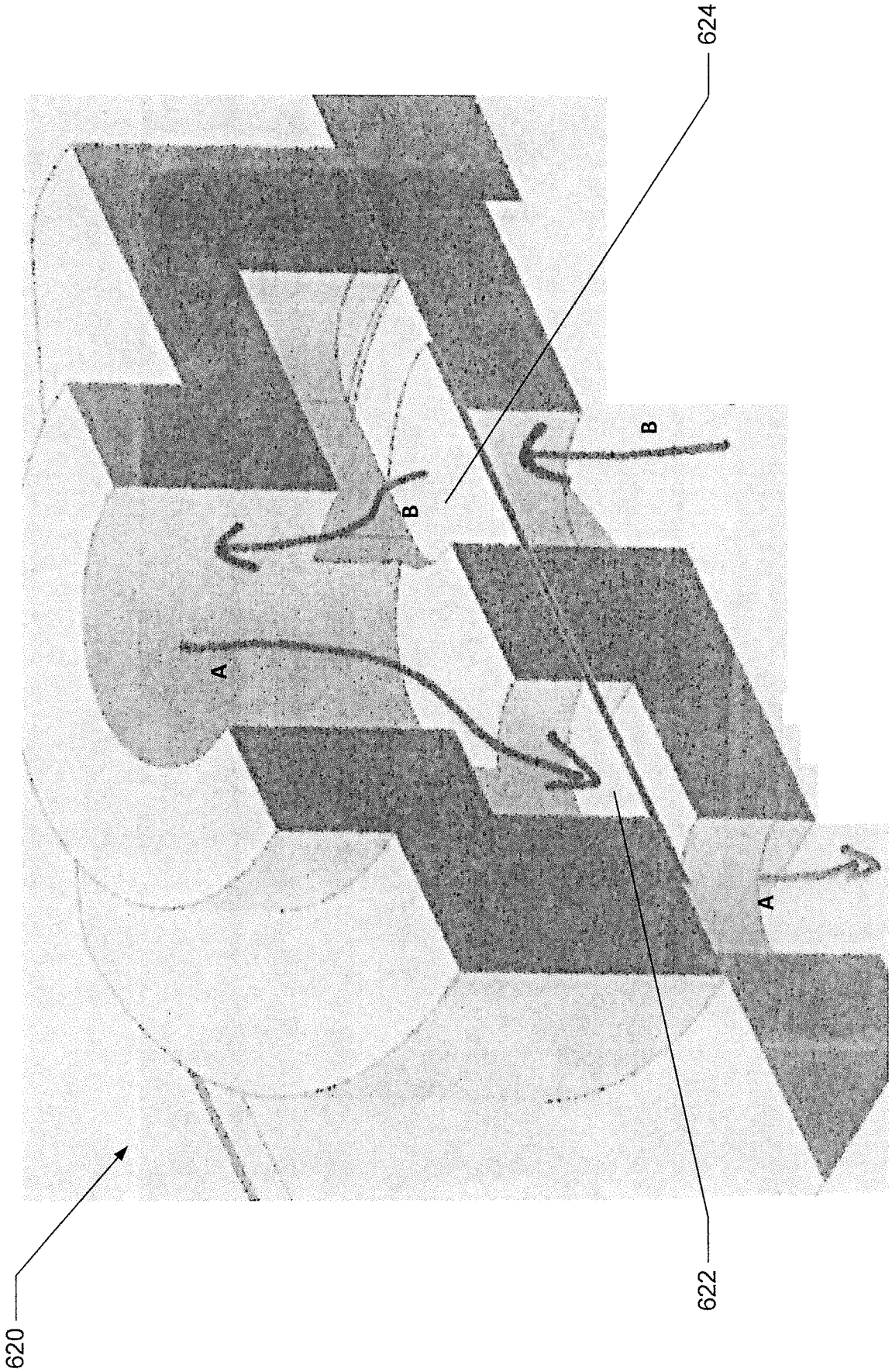


FIG. 7

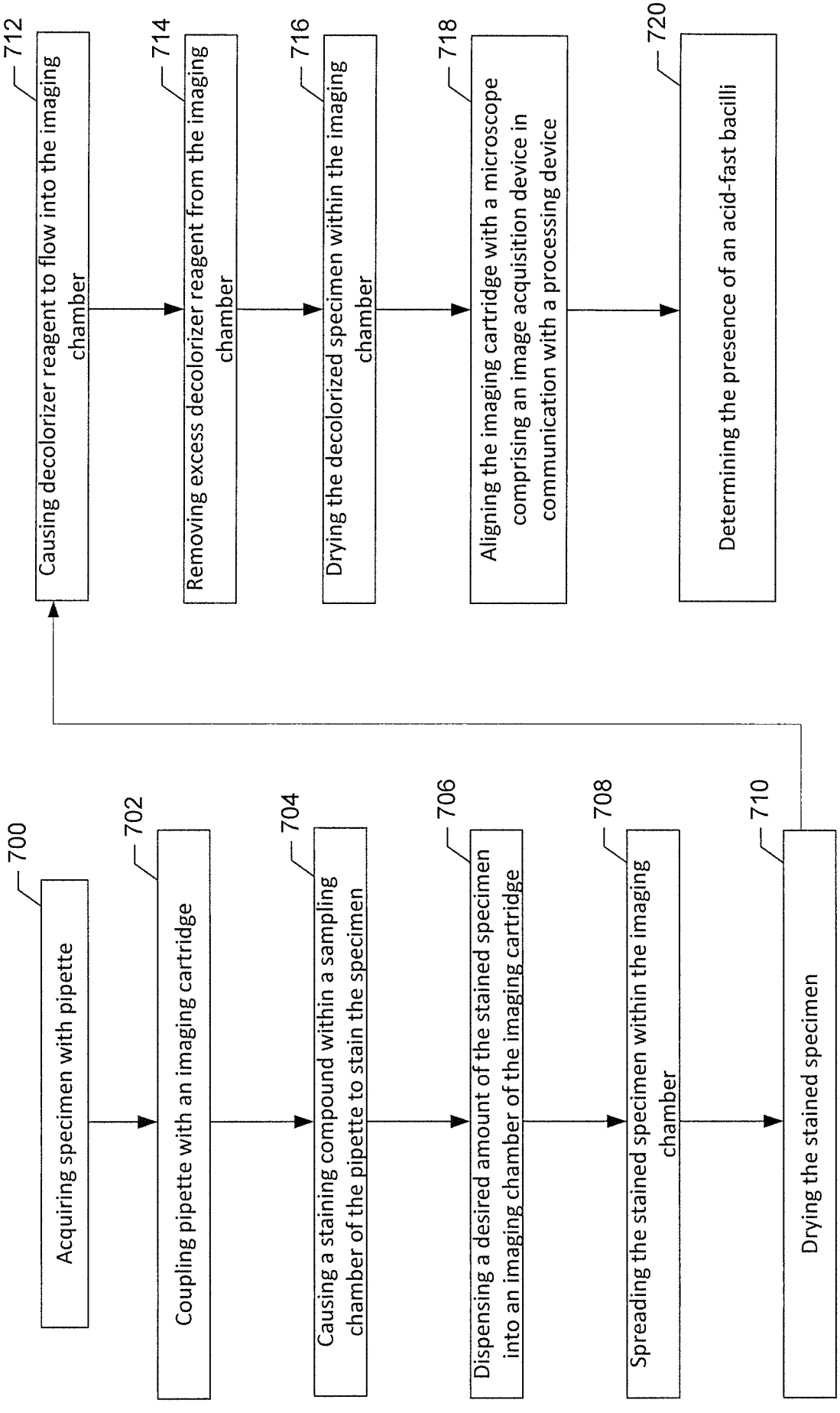

700
Acquiring specimen with pipette
702
Coupling pipette with an imaging cartridge
704
Causing a staining compound within a sampling chamber of the pipette to stain the specimen
706
Dispensing a desired amount of the stained specimen into an imaging chamber of the imaging cartridge
708
Spreading the stained specimen within the imaging chamber
710
Drying the stained specimen
712
Causing decolorizer reagent to flow into the imaging chamber
714
Removing excess decolorizer reagent from the imaging chamber
716
Drying the decolorized specimen within the imaging chamber
718
Aligning the imaging cartridge with a microscope comprising an image acquisition device in communication with a processing device
720
Determining the presence of an acid-fast bacilli

FIG. 8

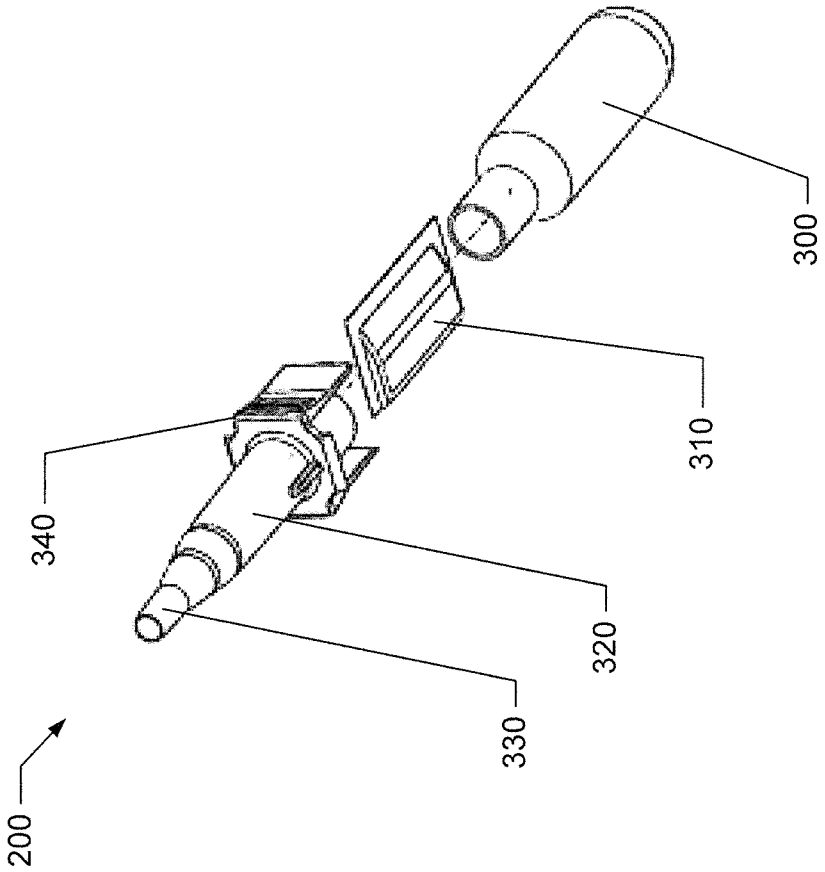


FIG. 9

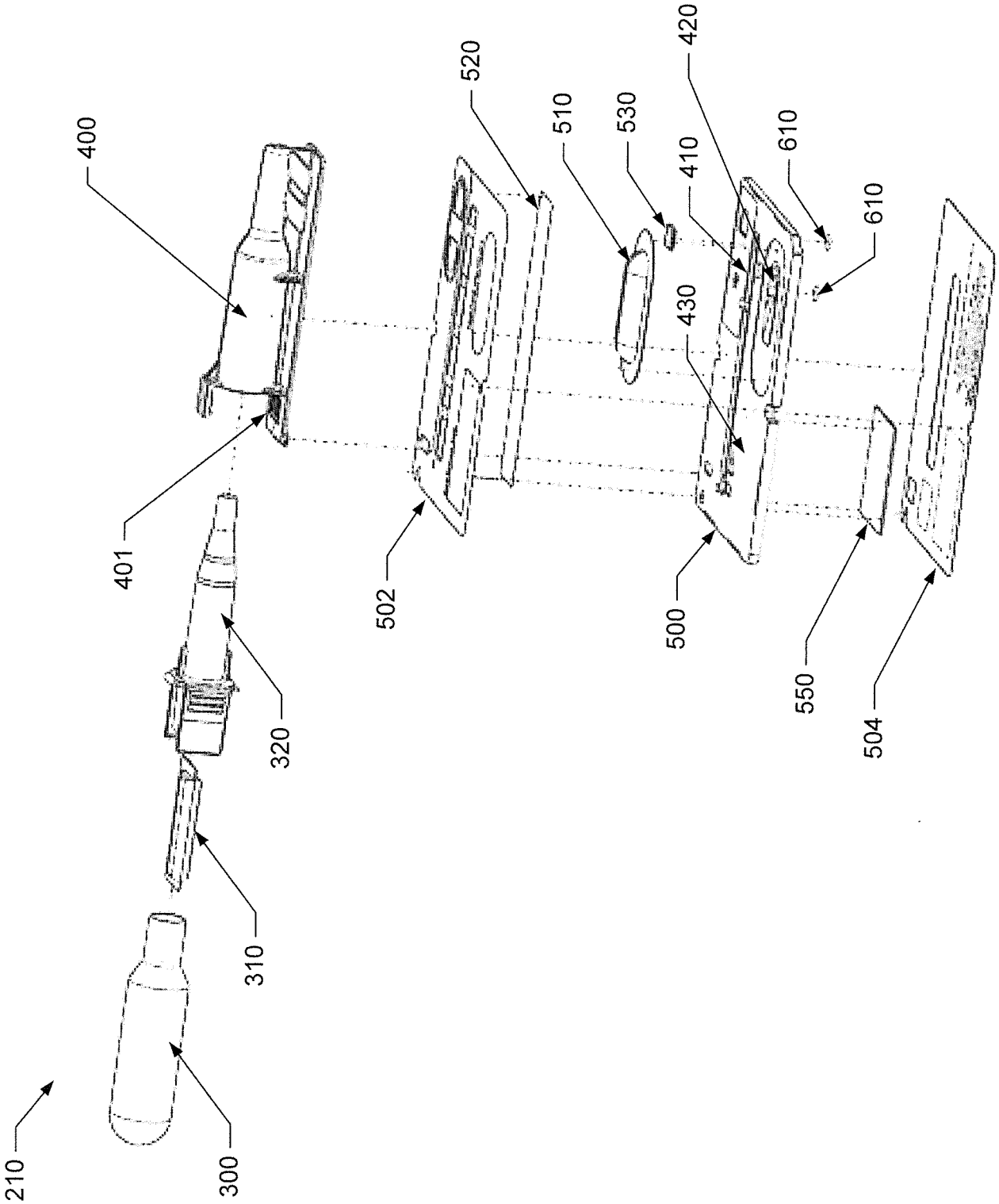

210
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FIG. 10

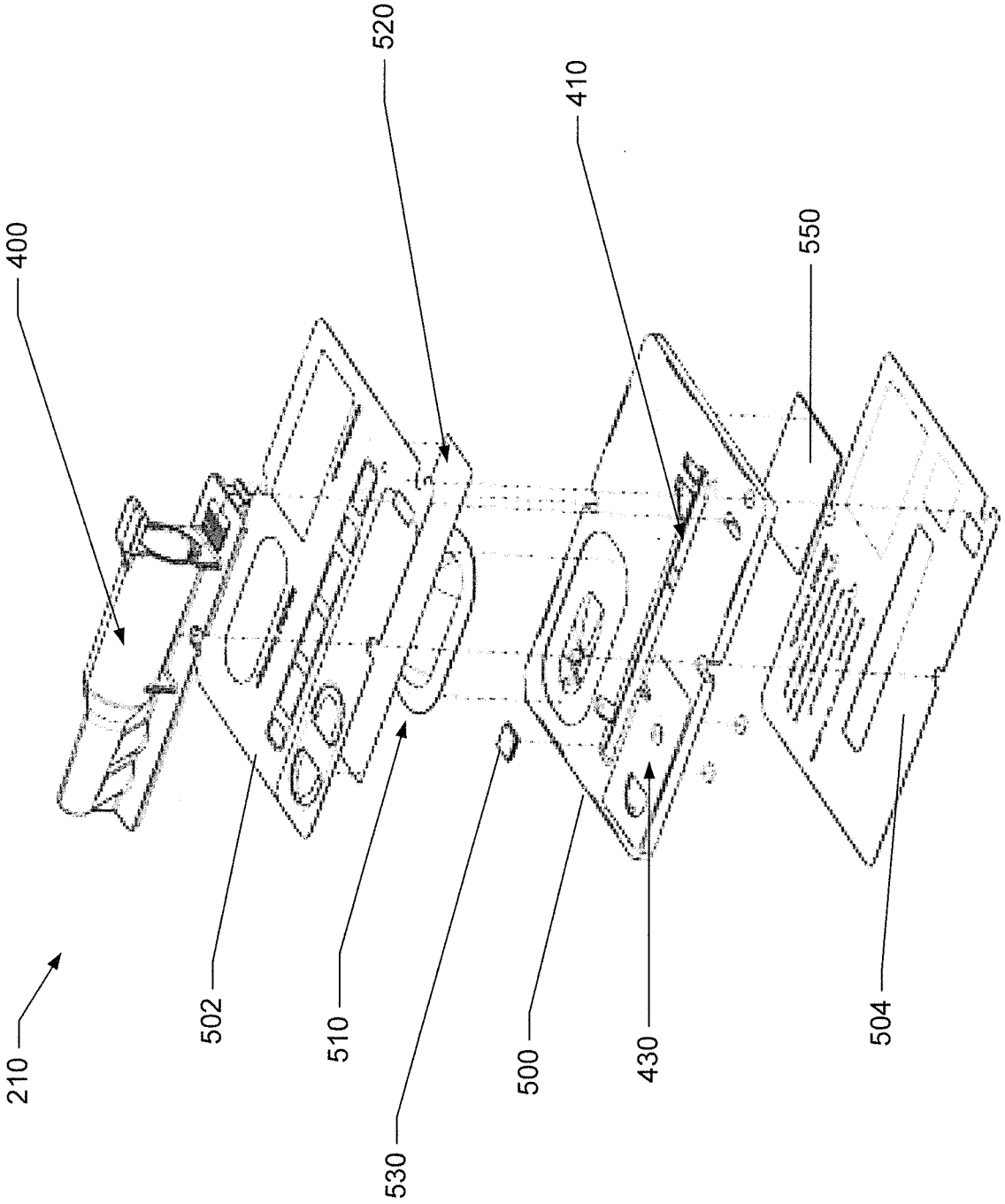


FIG. 11

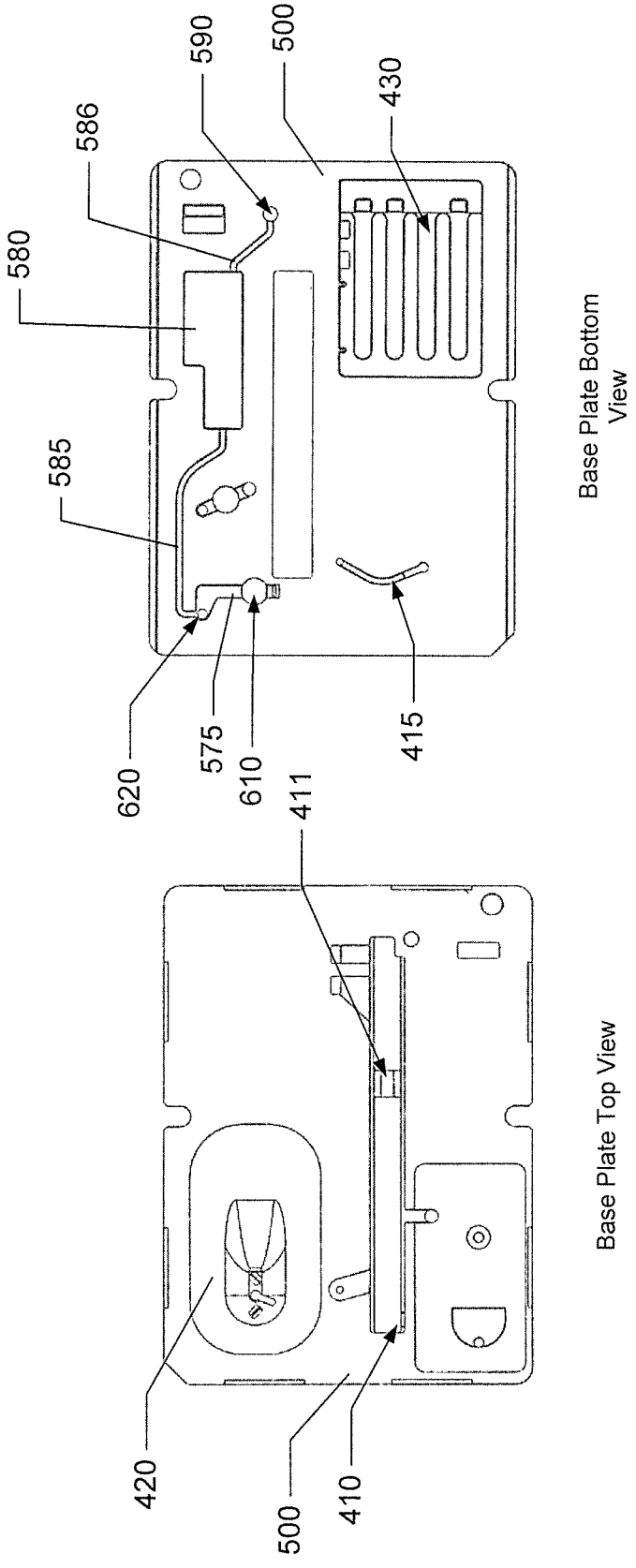

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411
420
500
410
Base Plate Bottom View
Base Plate Top View

FIG. 12