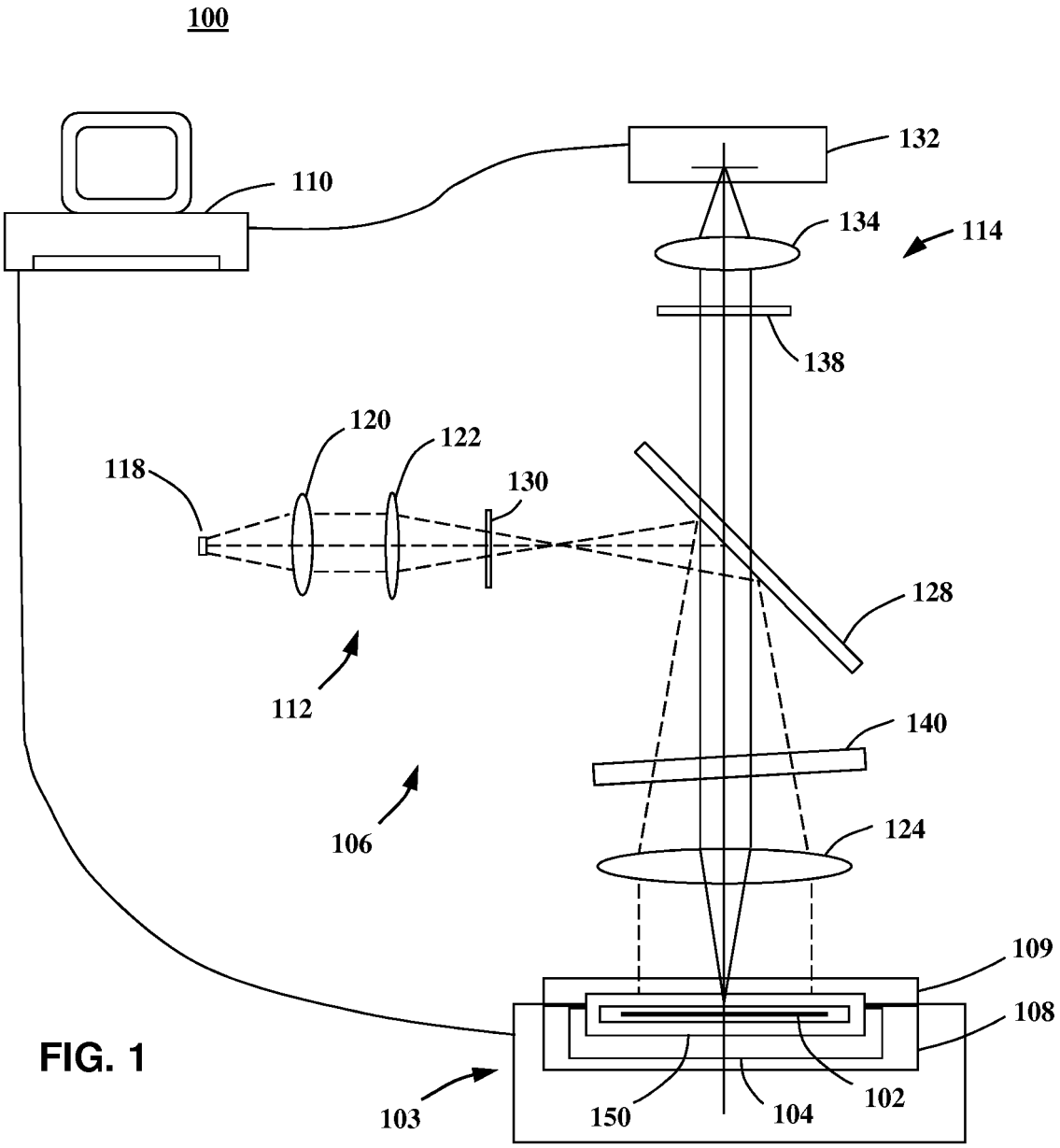

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FIG. 1

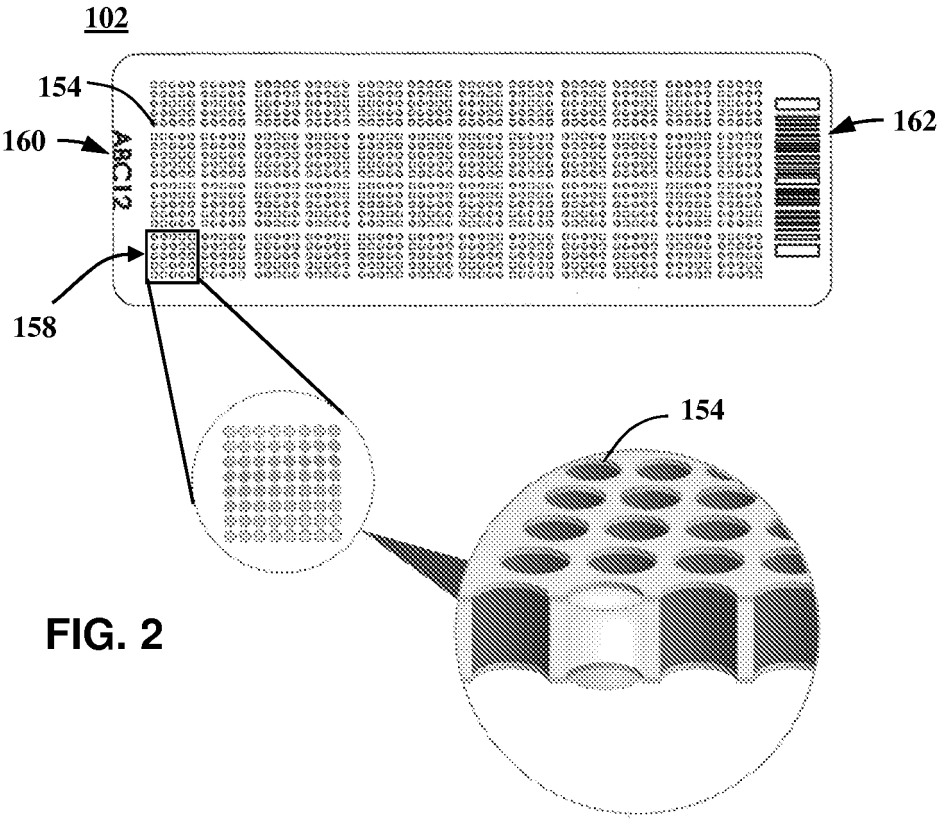


FIG. 2

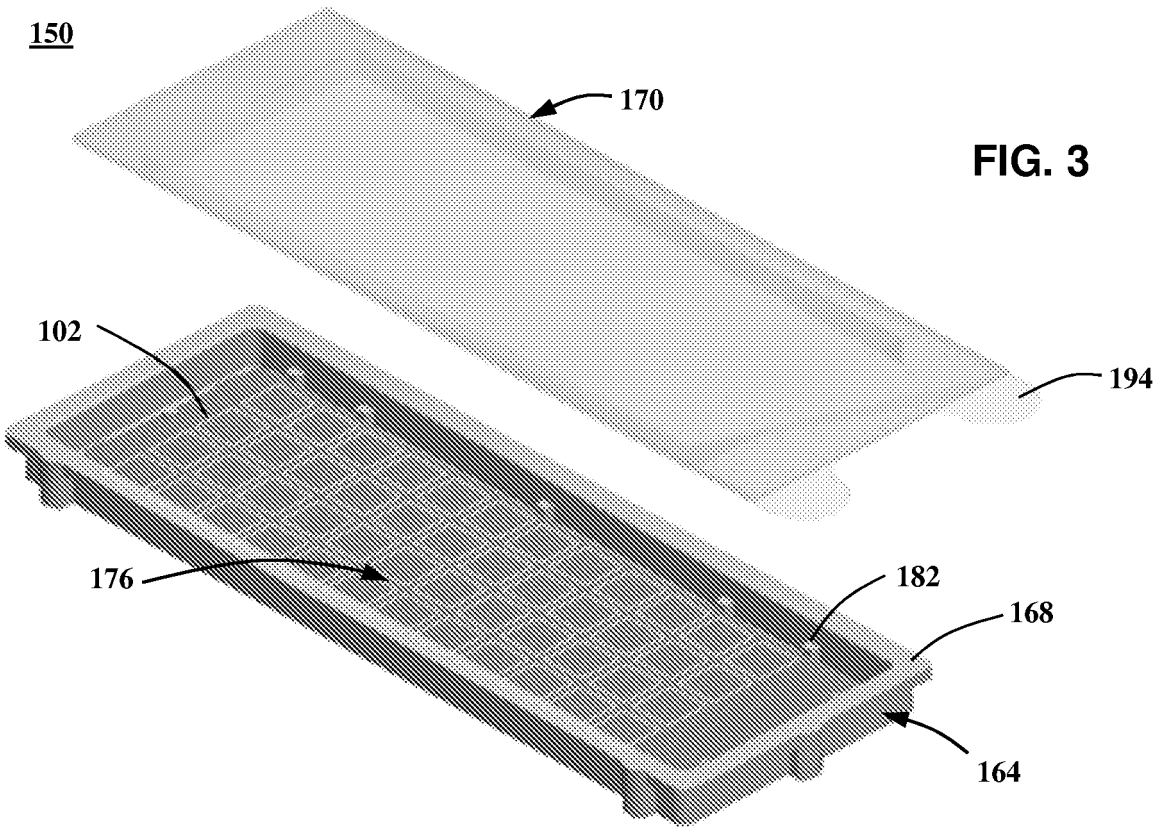


FIG. 3

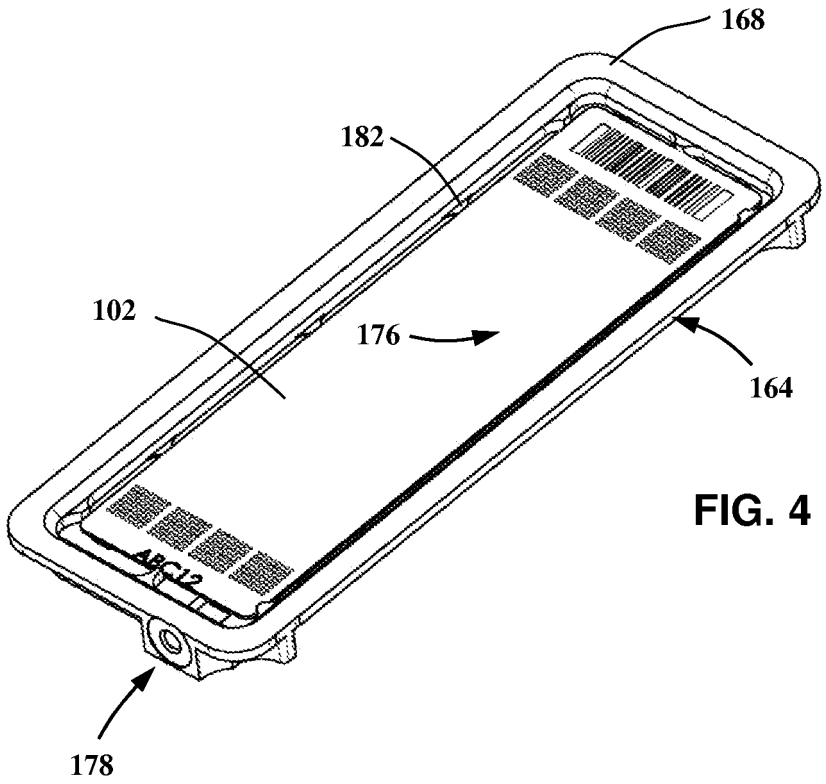


FIG. 4

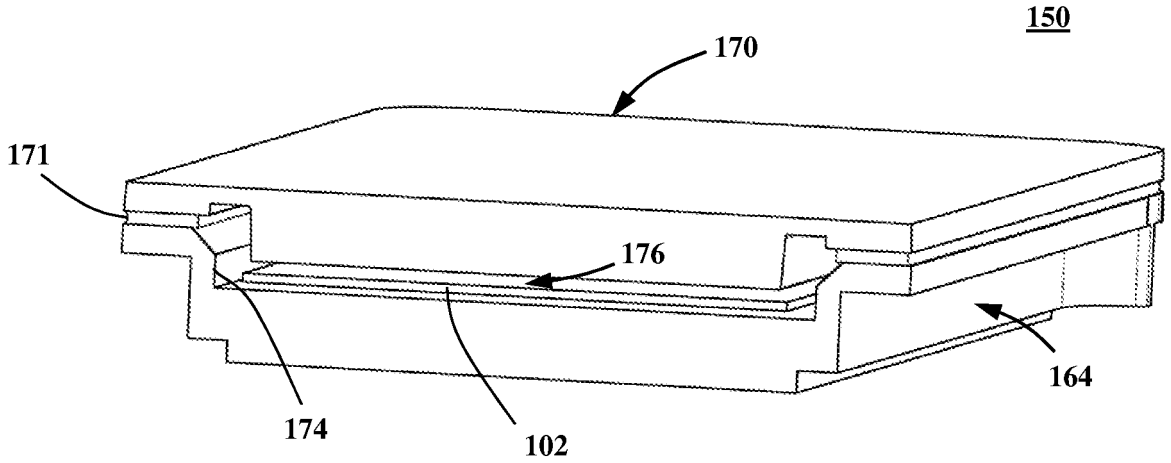


FIG. 5

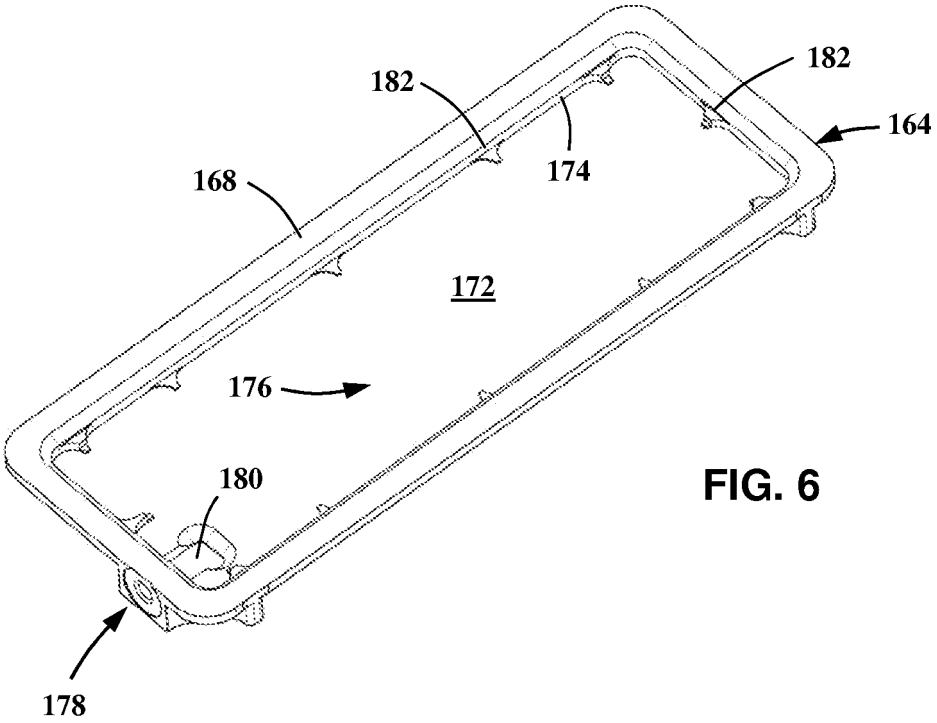


FIG. 6

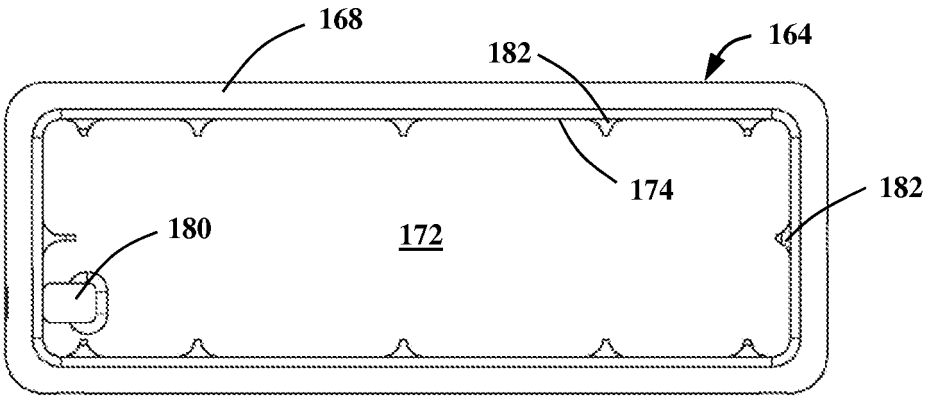


FIG. 7

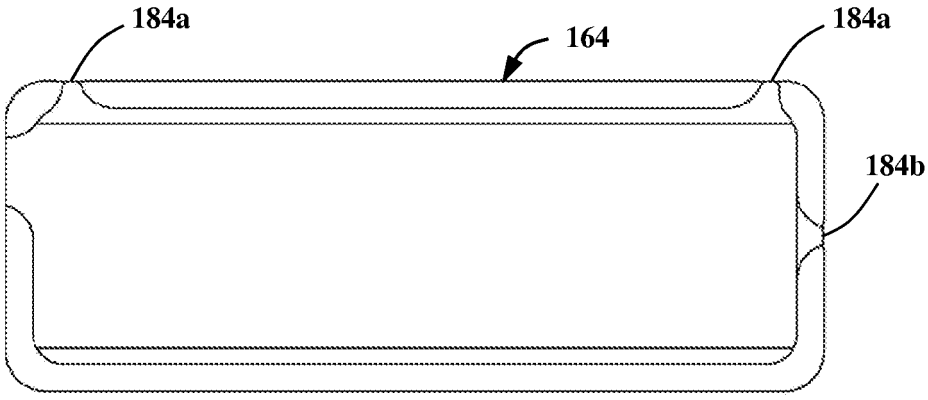


FIG. 8

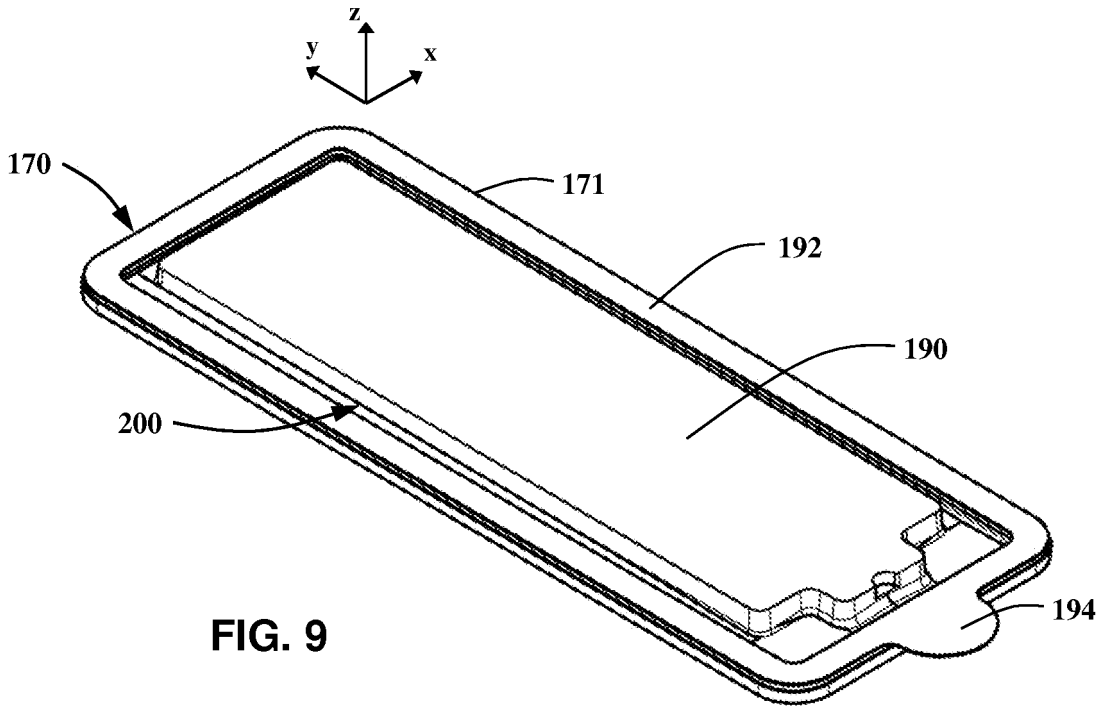


FIG. 9

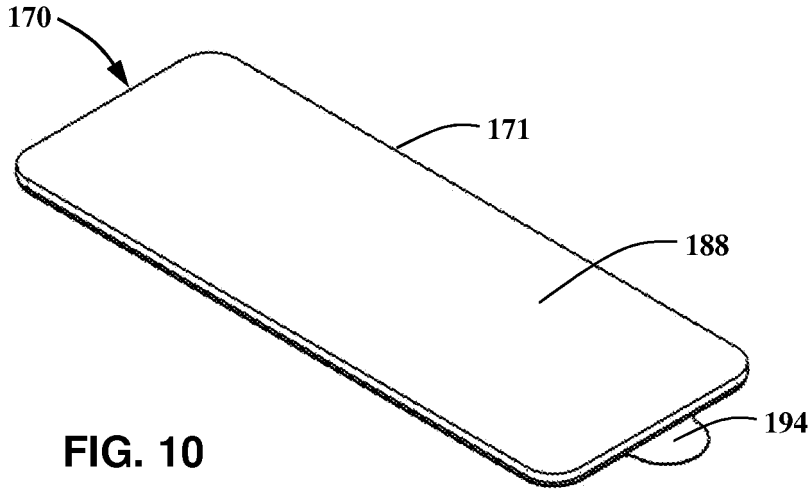


FIG. 10

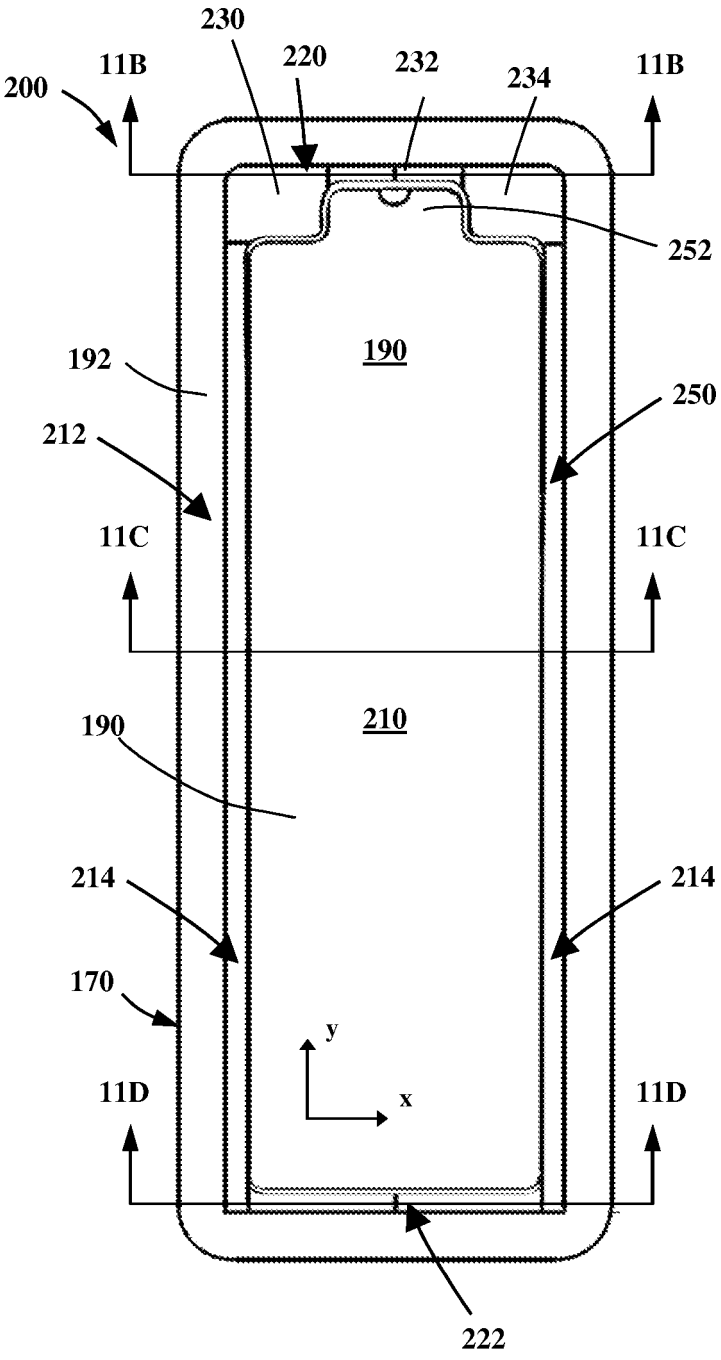


FIG. 11A

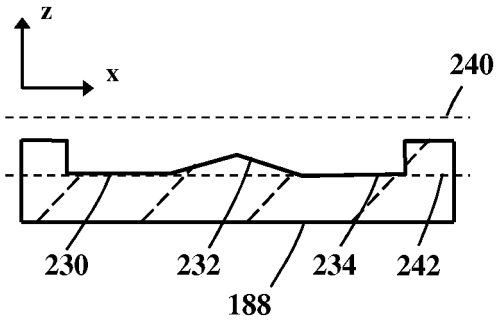


FIG. 11B

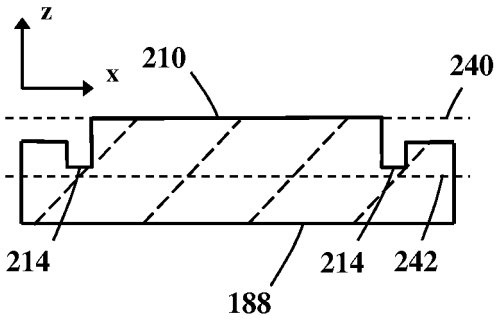


FIG. 11C

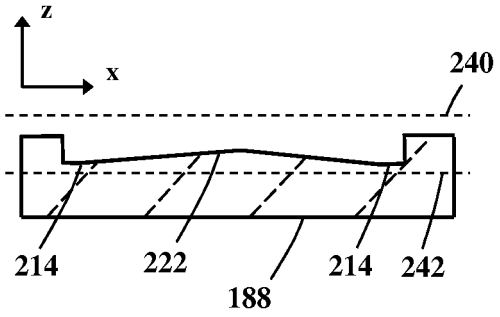


FIG. 11D

FIG. 12A

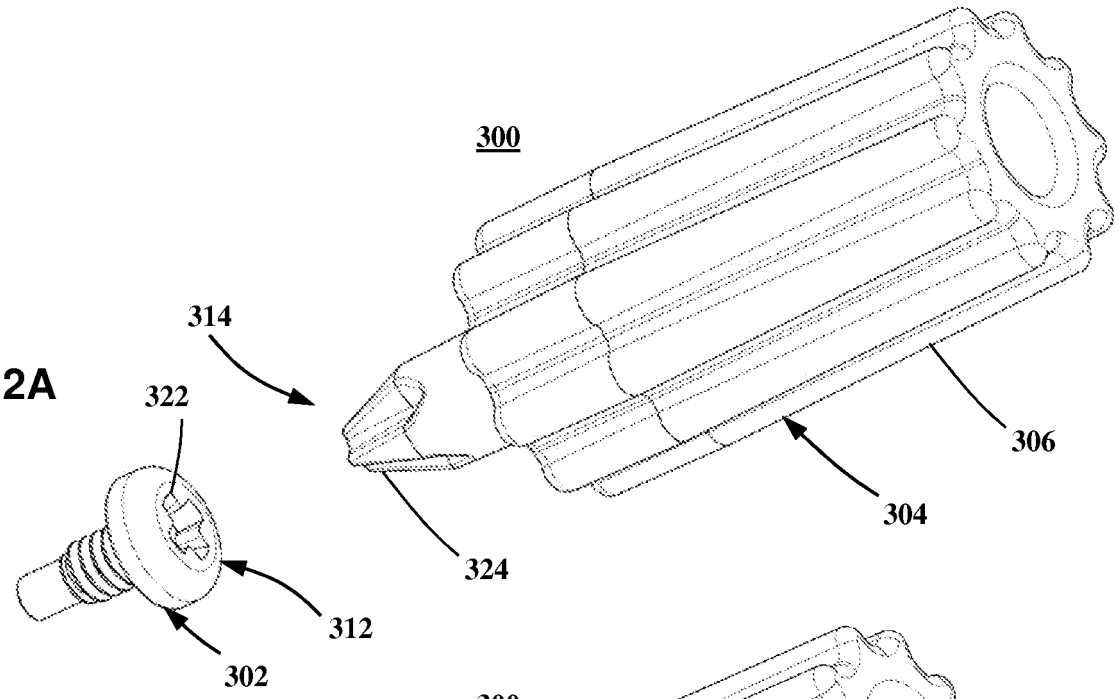


FIG. 12B

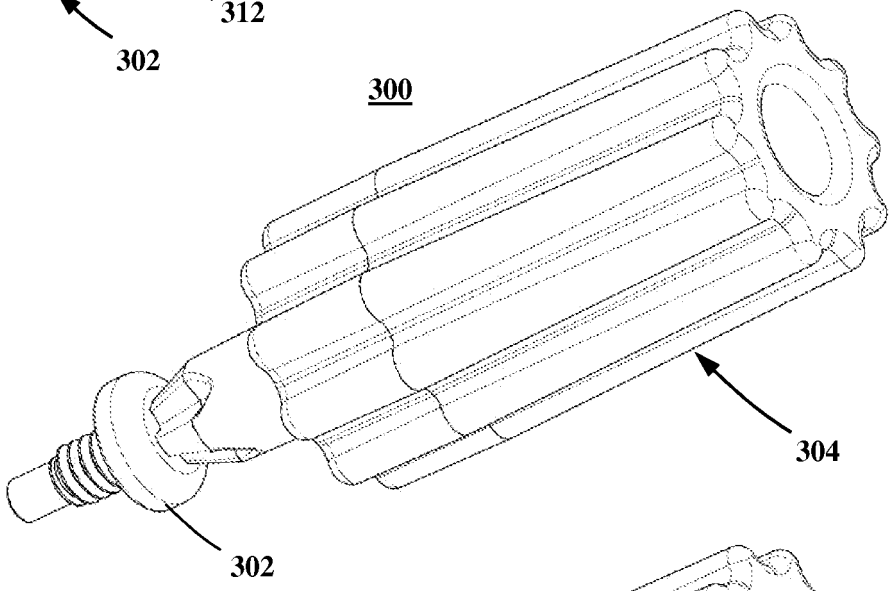


FIG. 12C

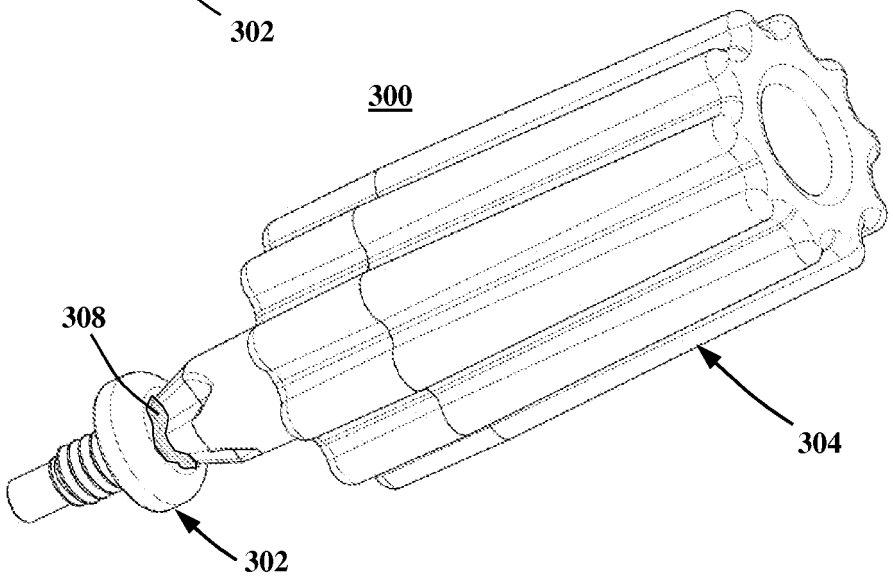
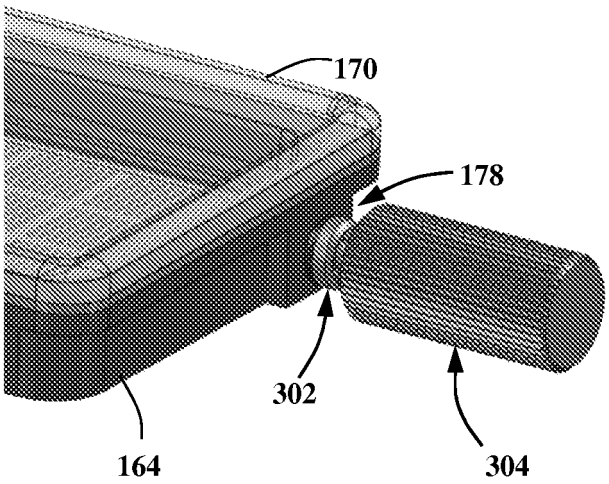


FIG. 13



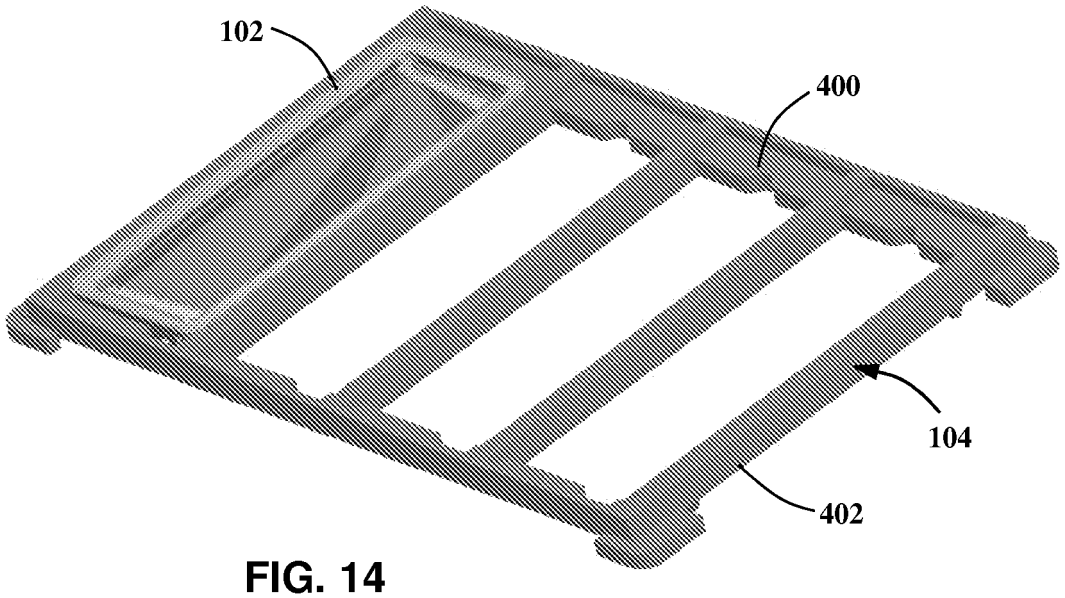


FIG. 14

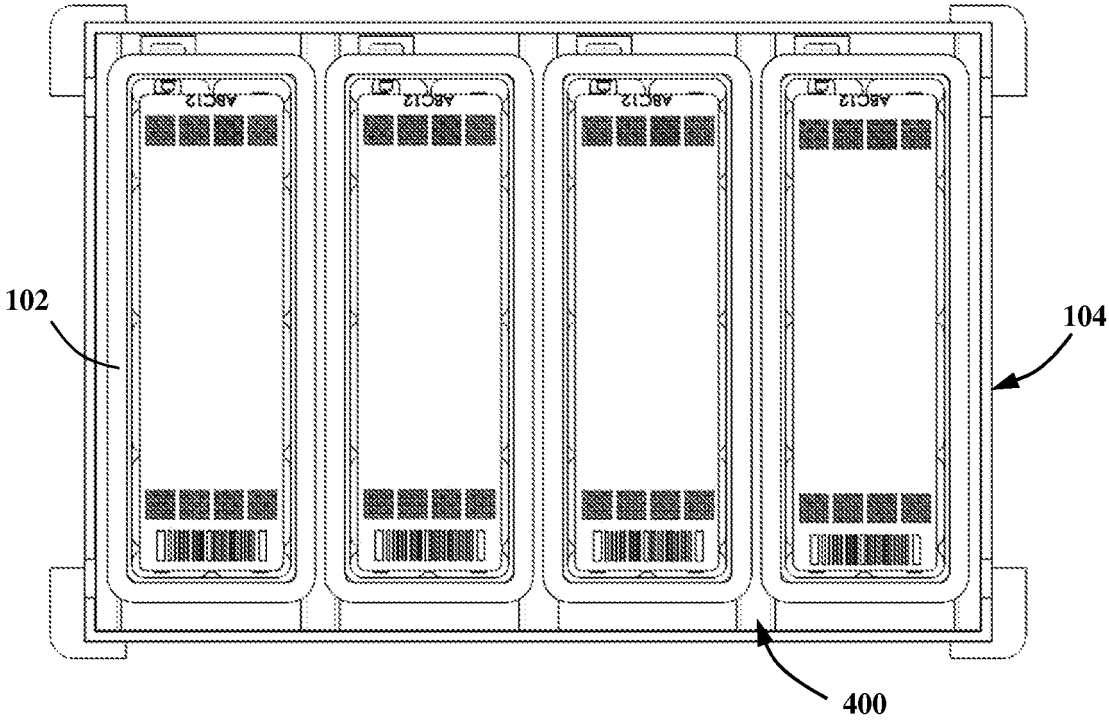


FIG. 15

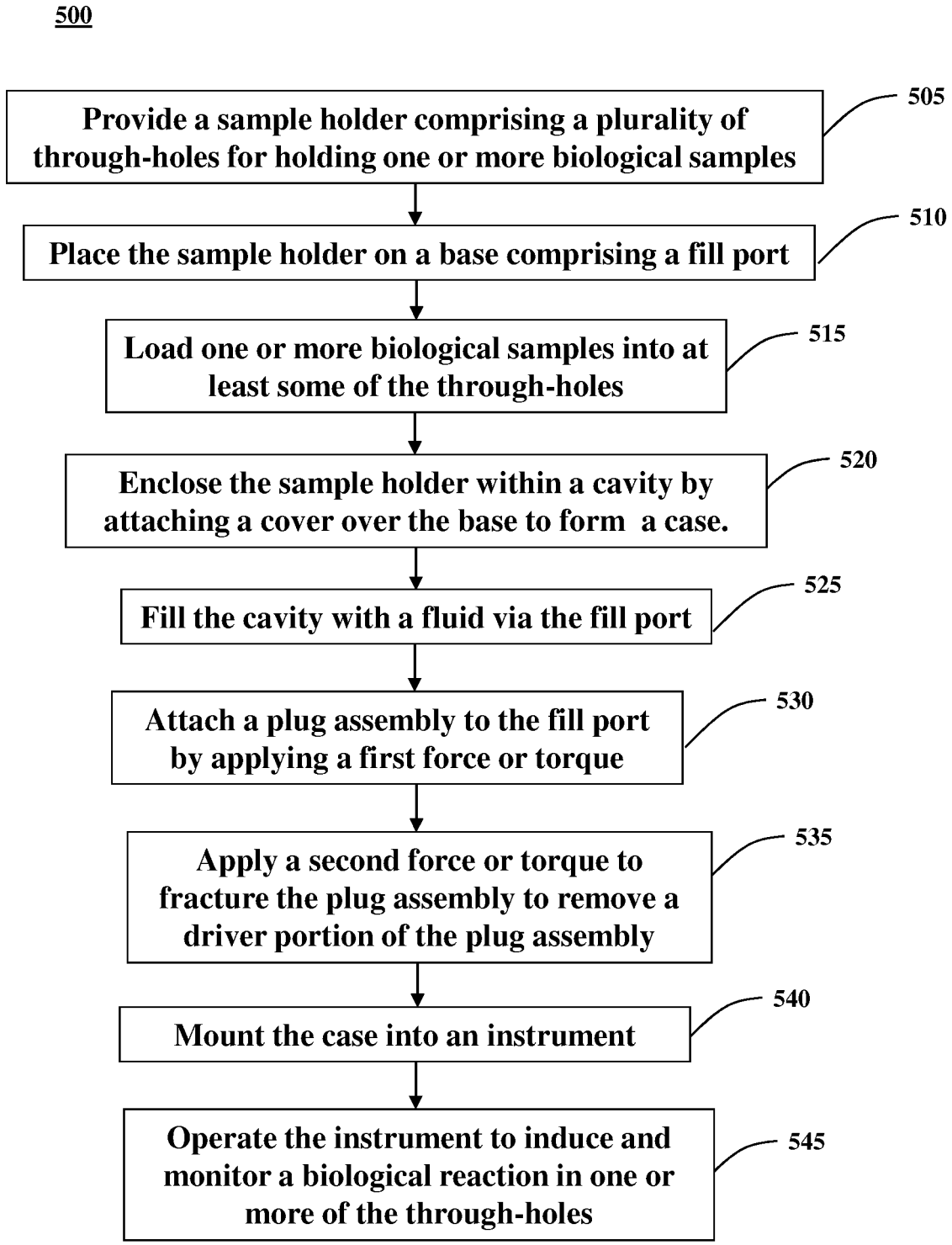

500
Provide a sample holder comprising a plurality of through-holes for holding one or more biological samples
505
Place the sample holder on a base comprising a fill port
510
Load one or more biological samples into at least some of the through-holes
515
Enclose the sample holder within a cavity by attaching a cover over the base to form a case.
520
Fill the cavity with a fluid via the fill port
525
Attach a plug assembly to the fill port by applying a first force or torque
530
Apply a second force or torque to fracture the plug assembly to remove a driver portion of the plug assembly
535
Mount the case into an instrument
540
Operate the instrument to induce and monitor a biological reaction in one or more of the through-holes
545

FIG. 16

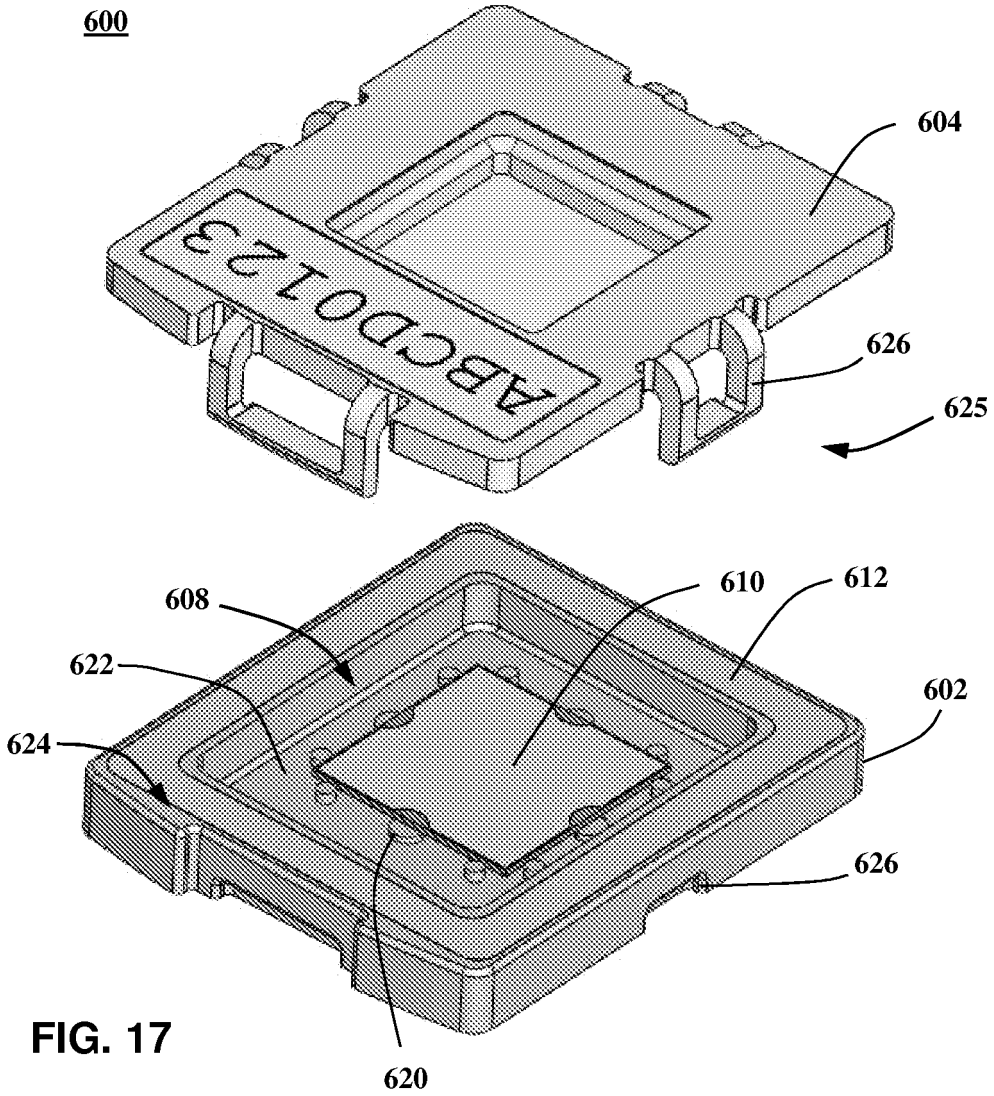

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FIG. 17

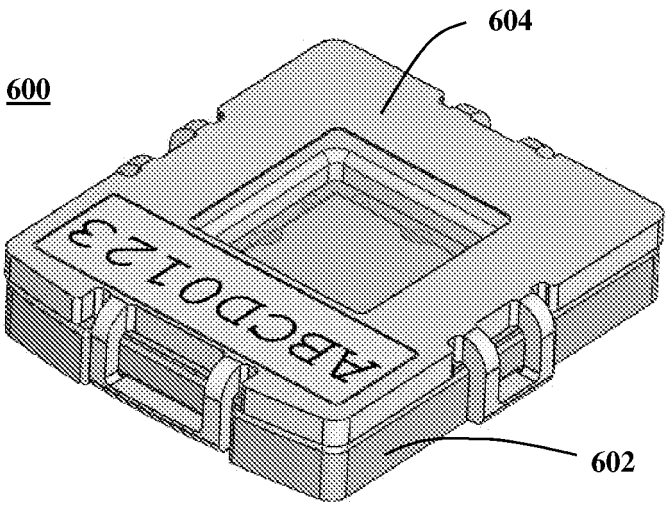
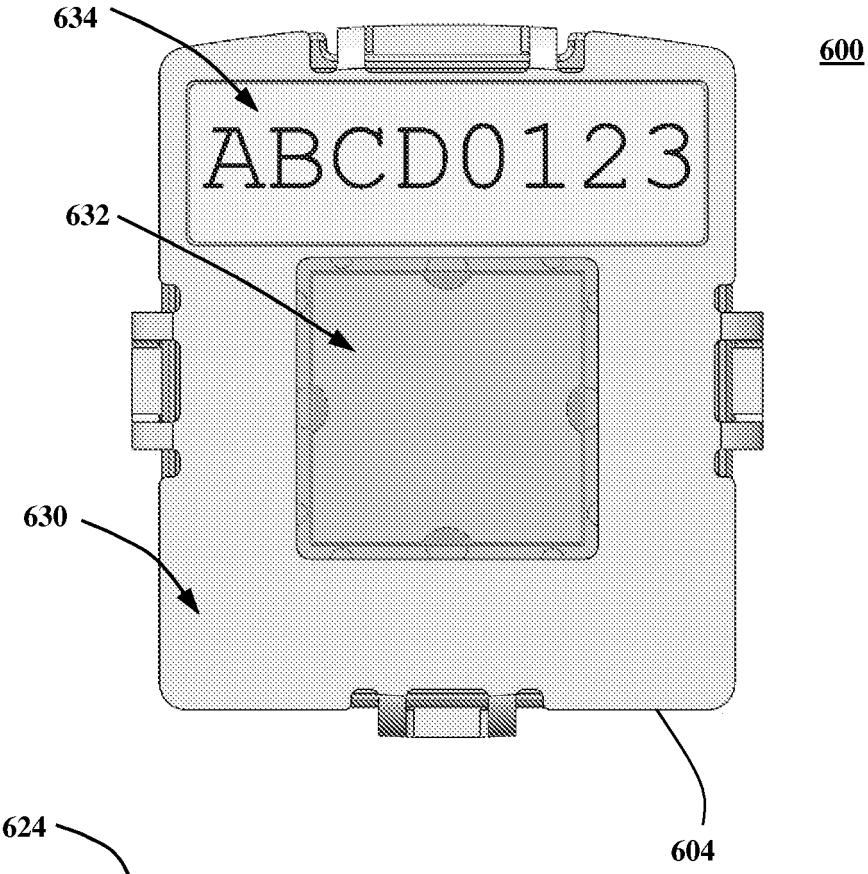

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600
ABCD0123
602

FIG. 18

FIG. 19



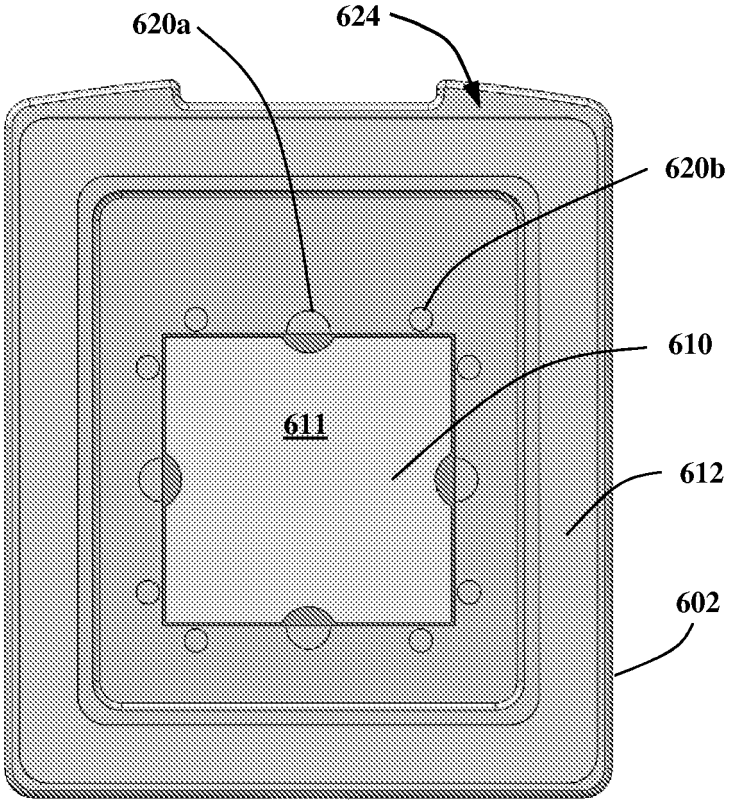


FIG. 20

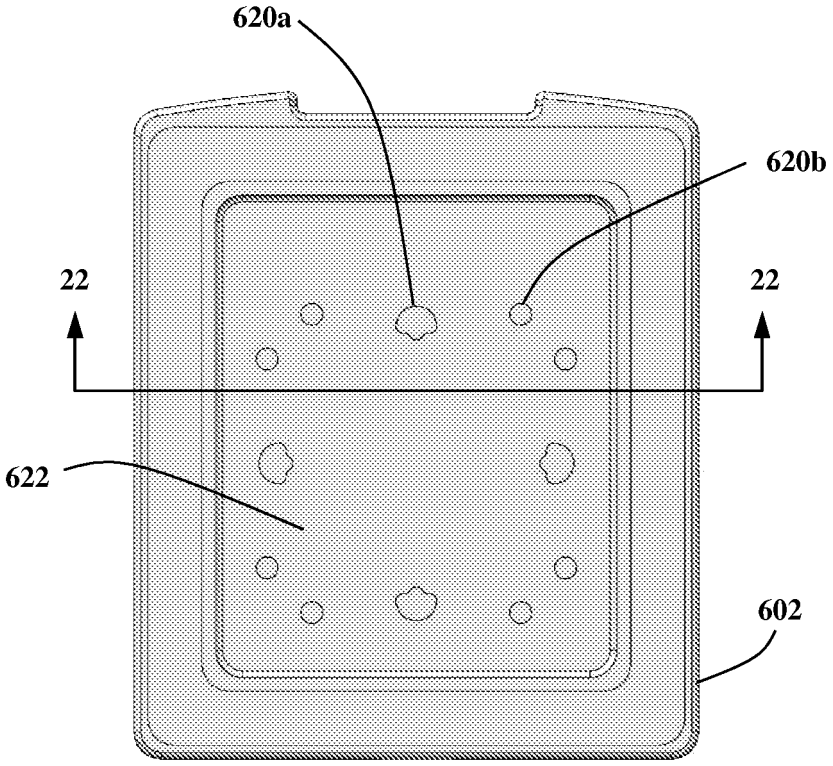


FIG. 21

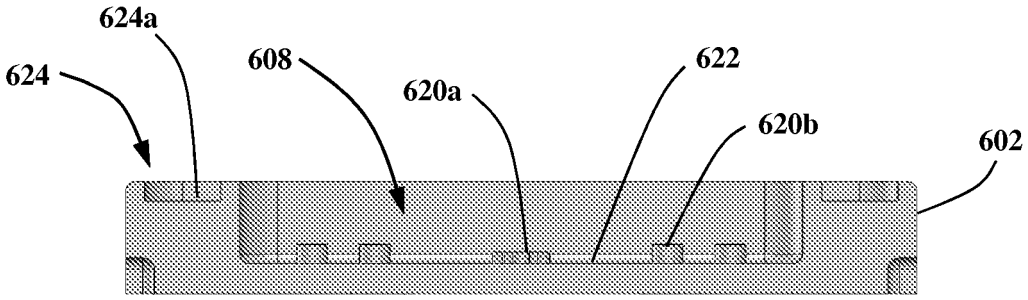


FIG. 22

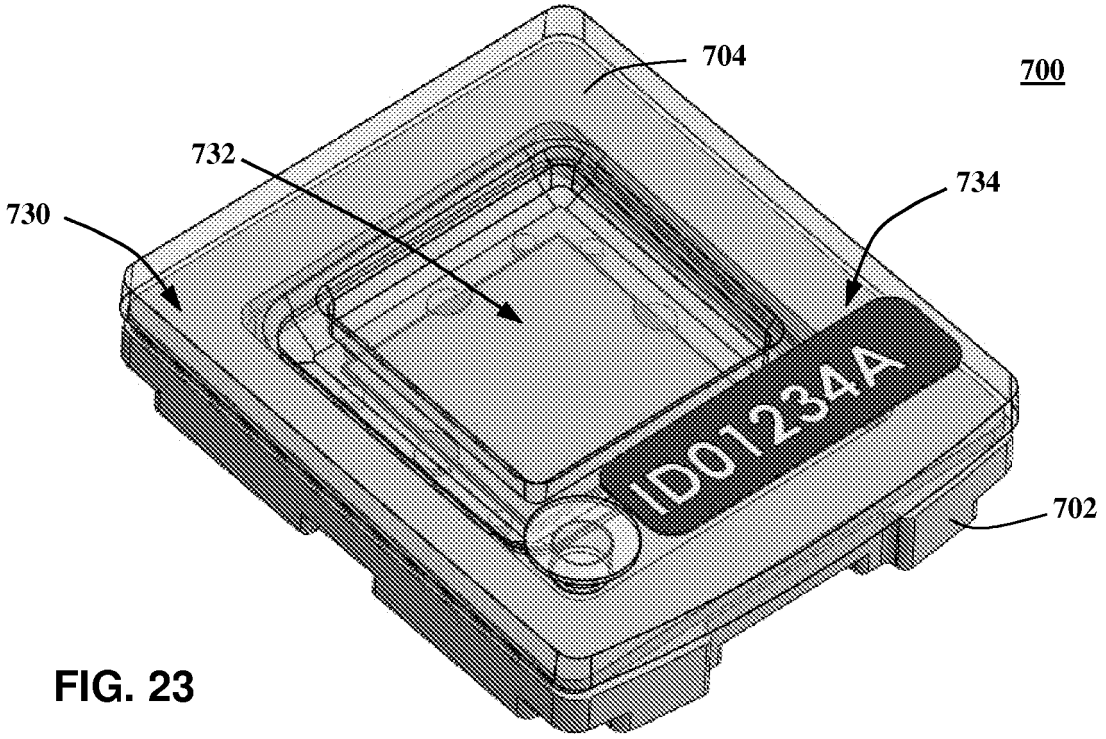


FIG. 23

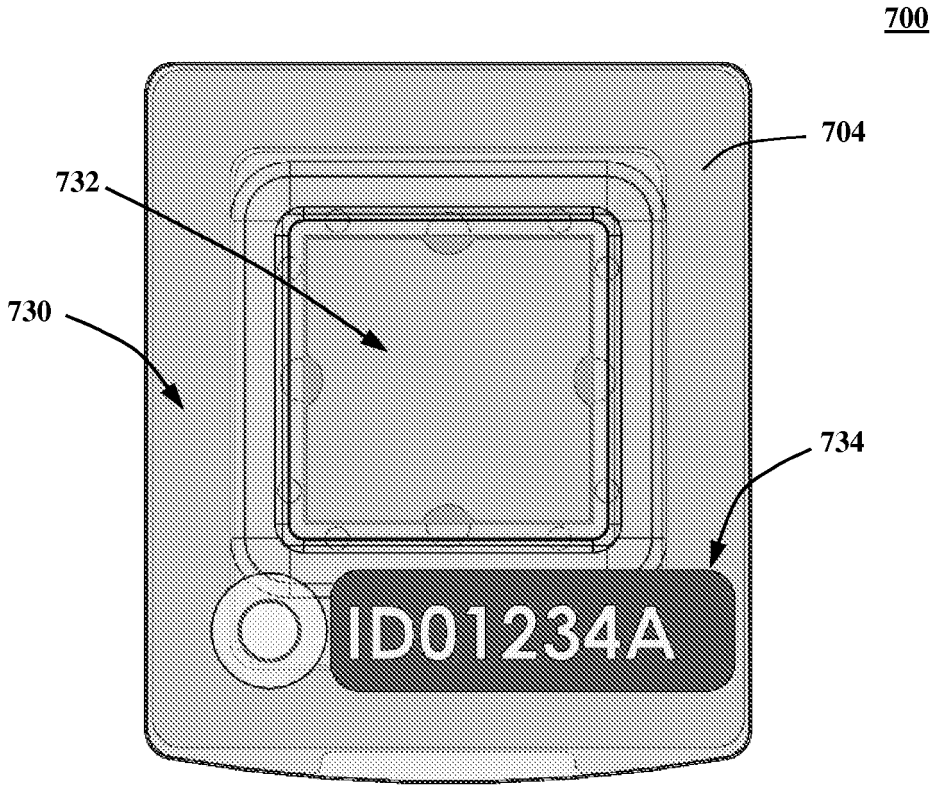


FIG. 24

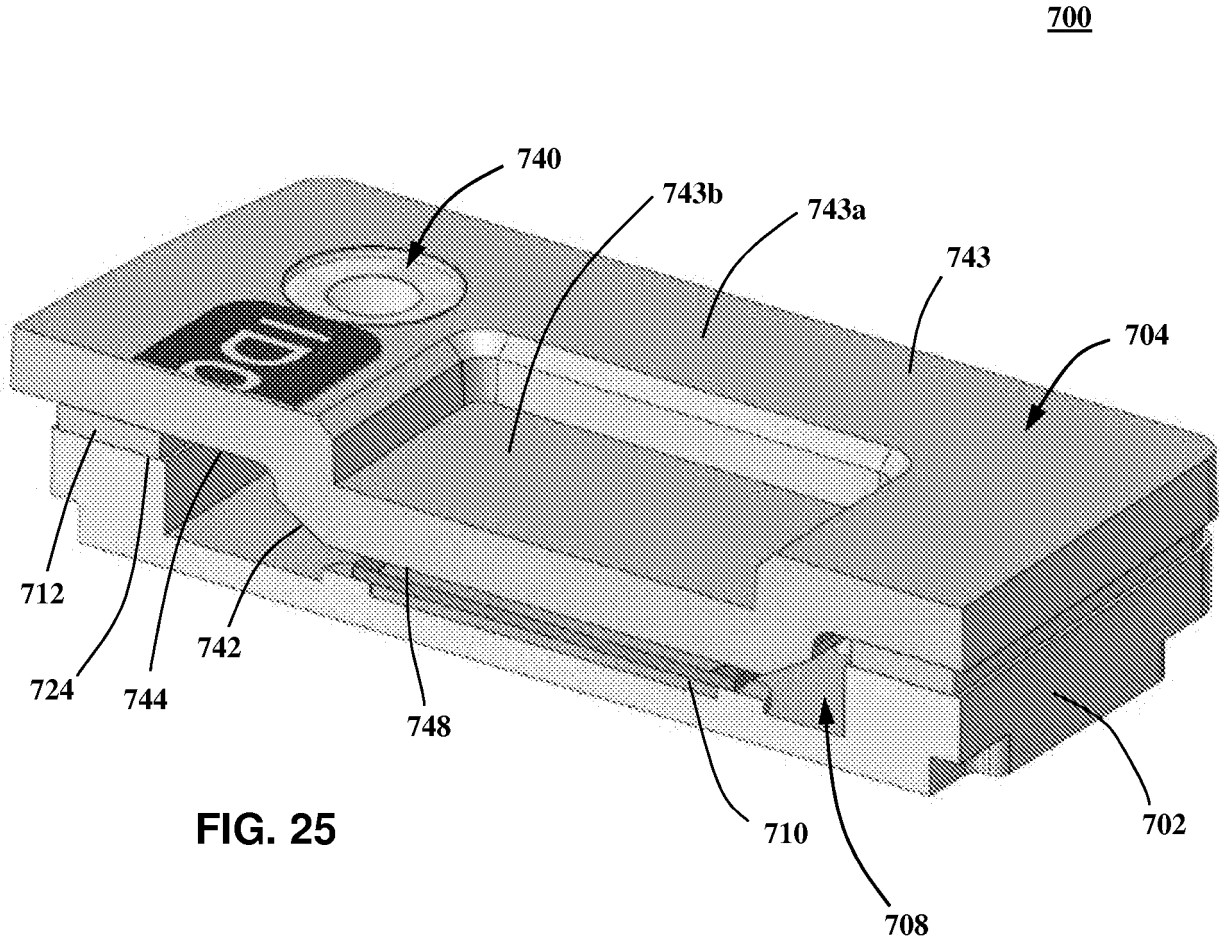


FIG. 25

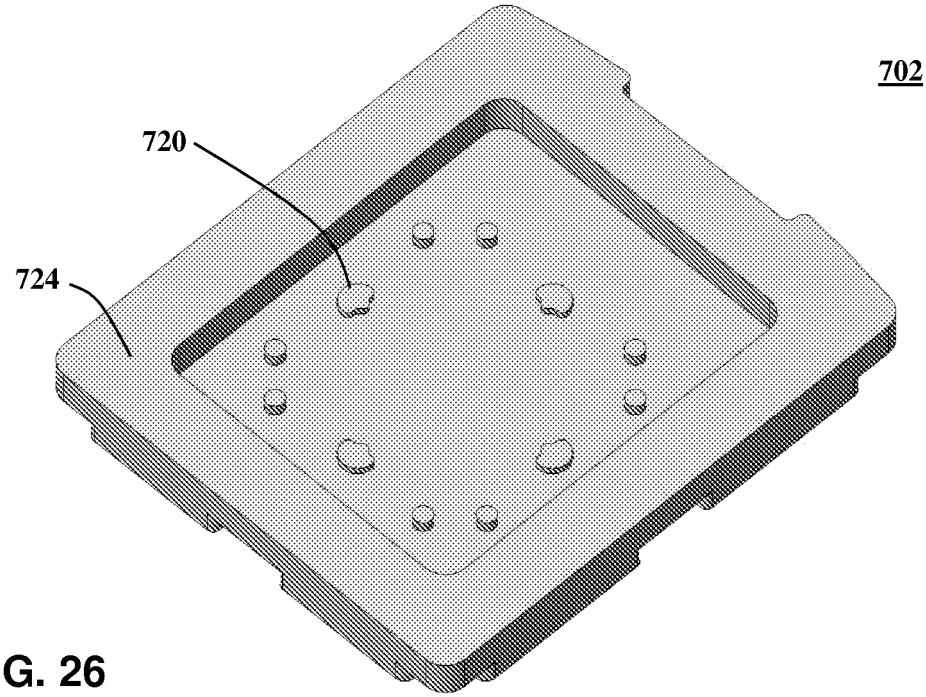


FIG. 26

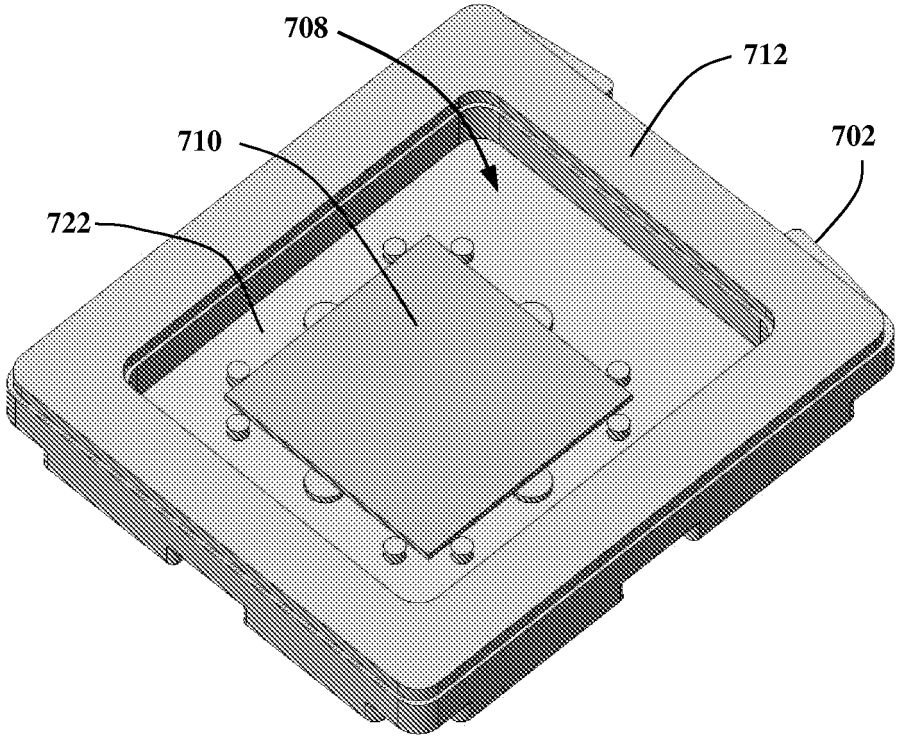


FIG. 27

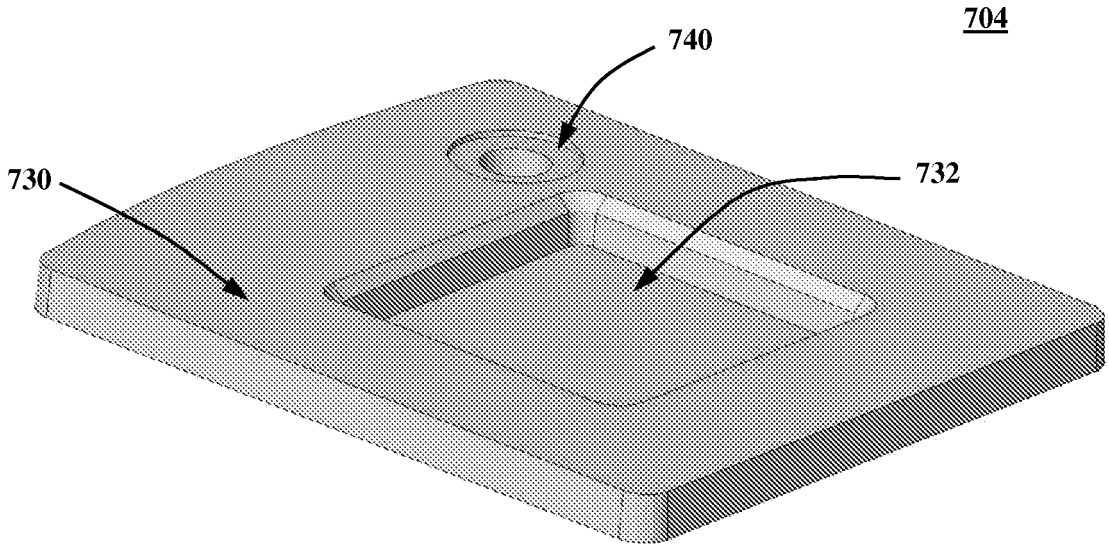


FIG. 28

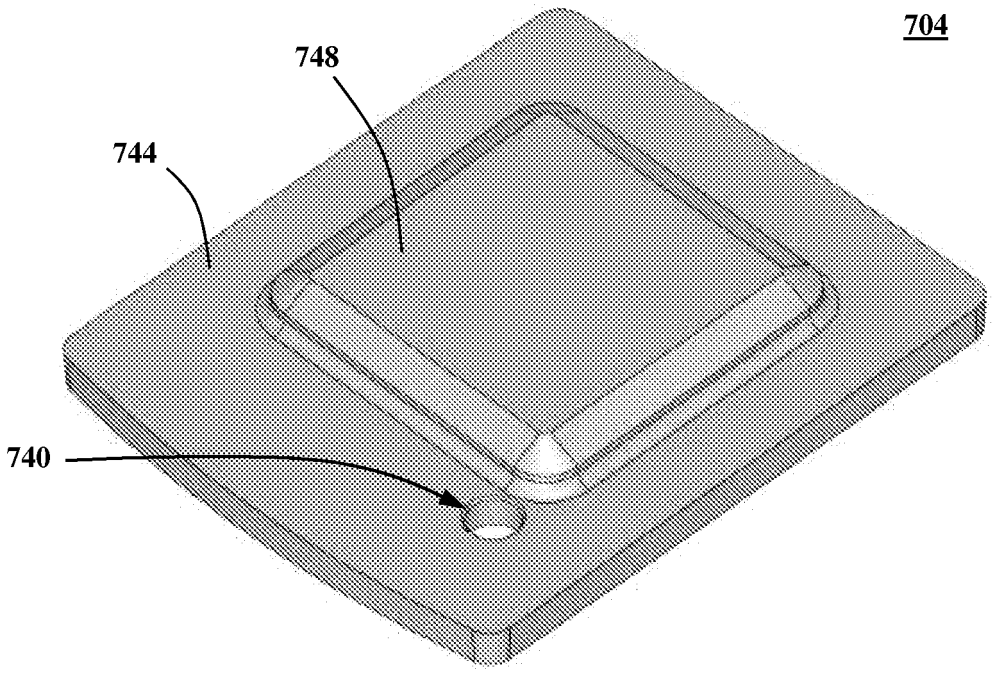


FIG. 29

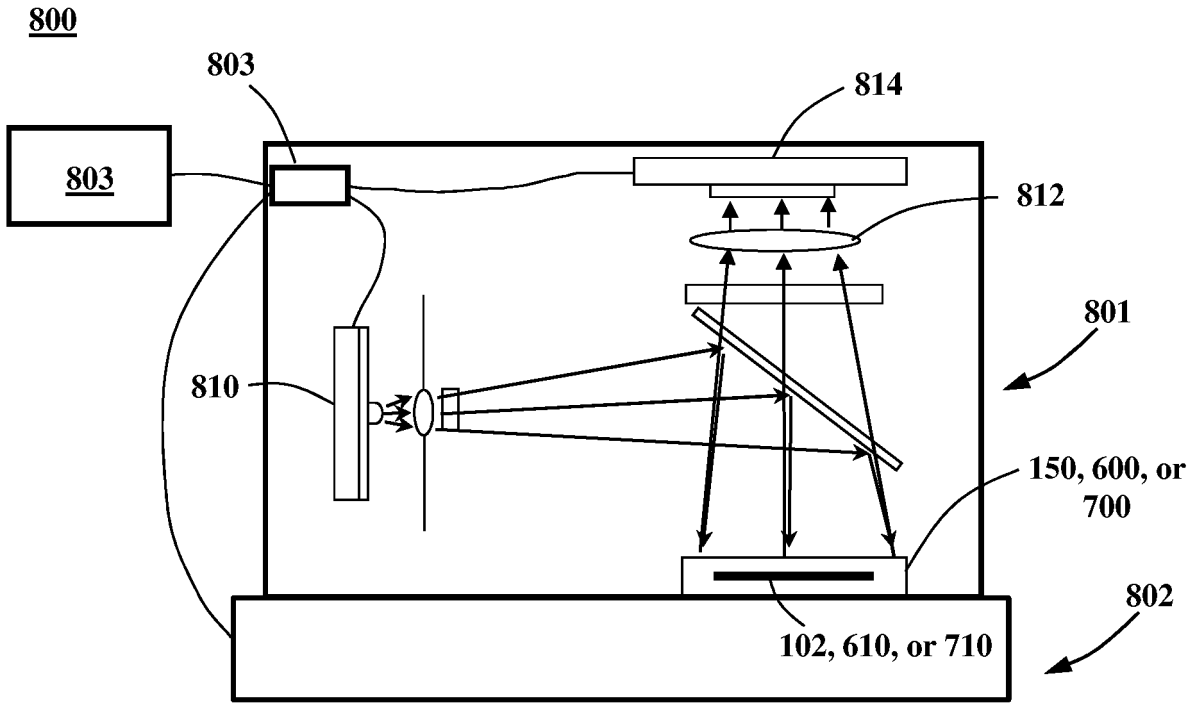


FIG. 30

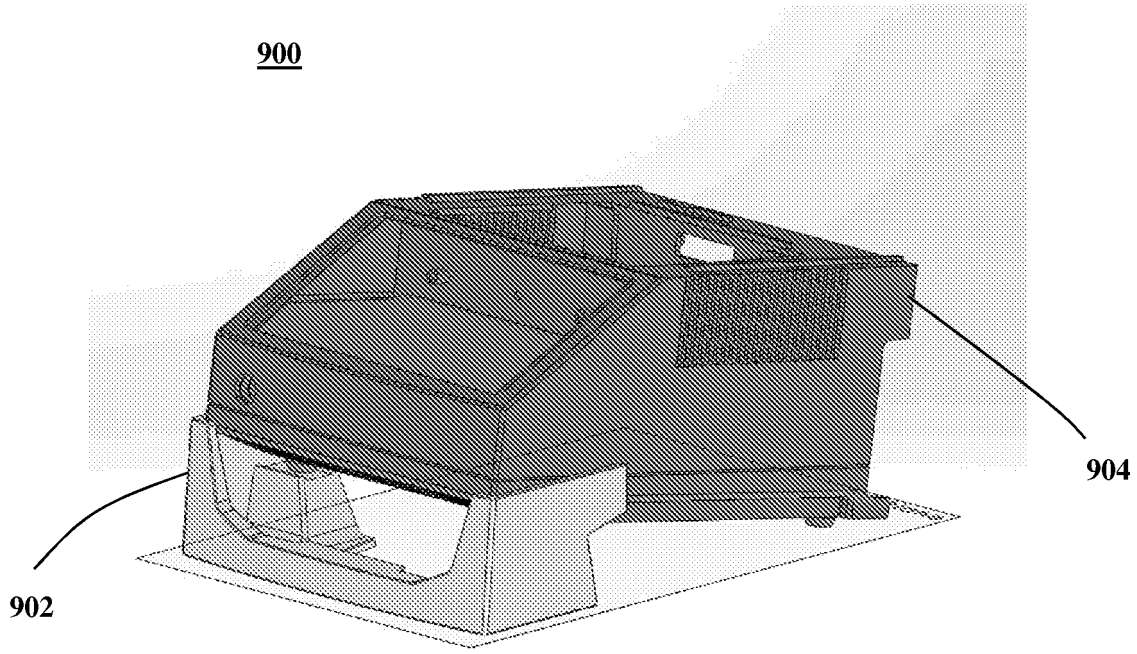


FIG. 31

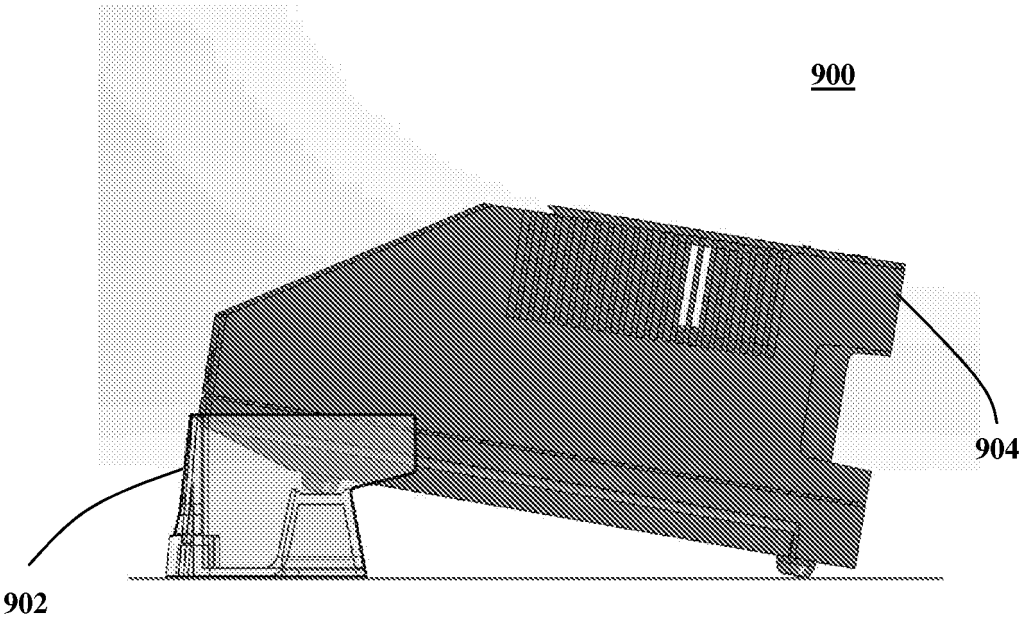


FIG. 32