

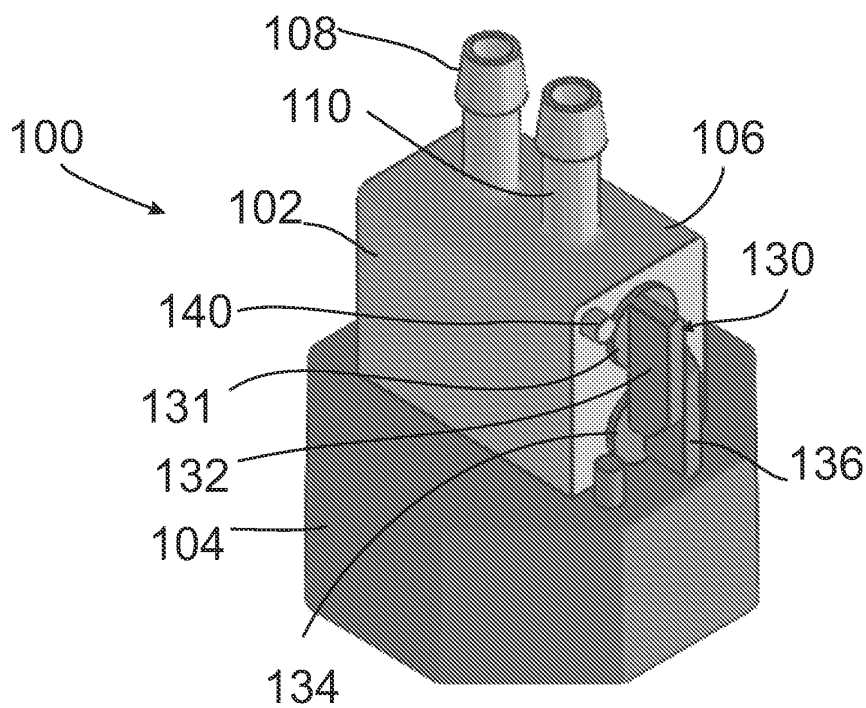
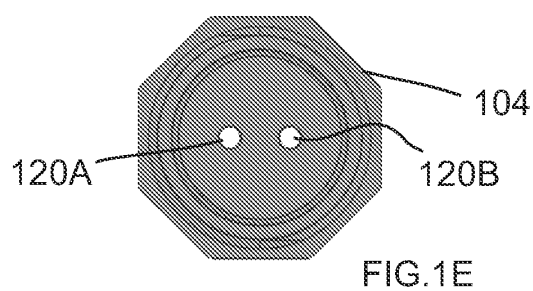
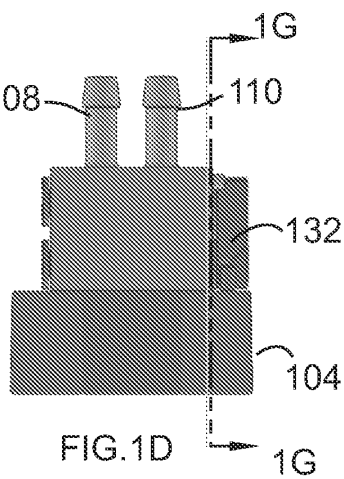
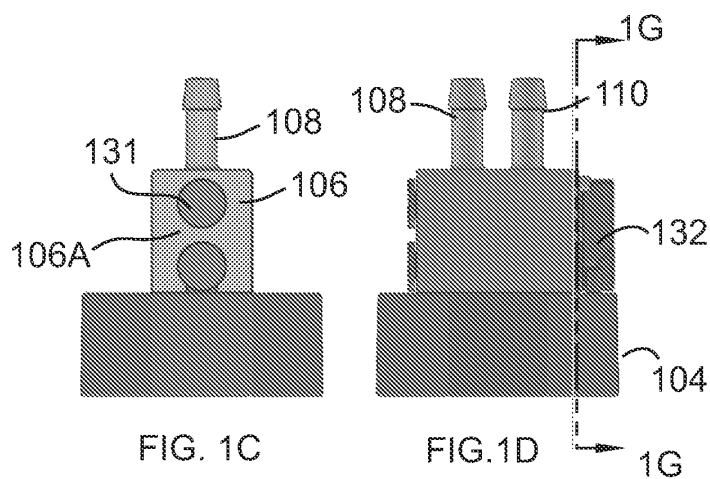
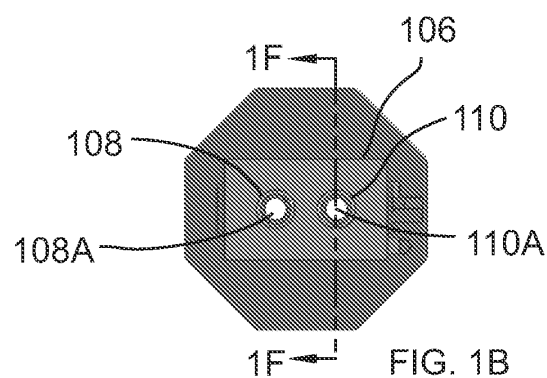
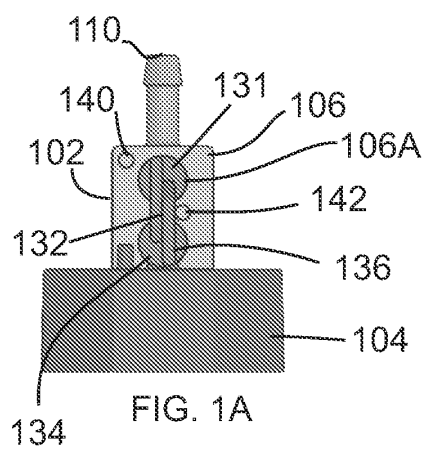
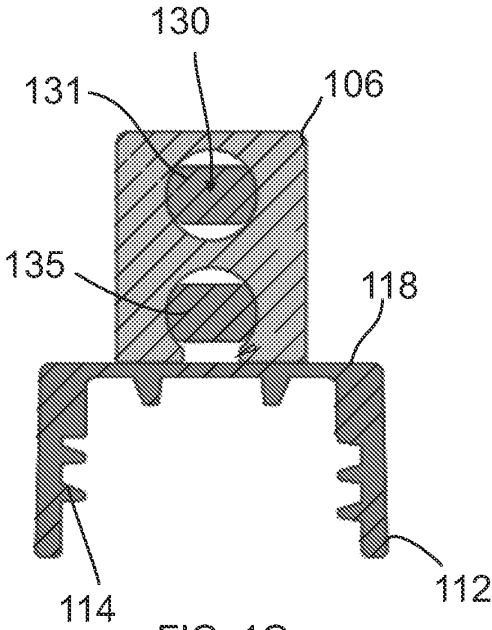
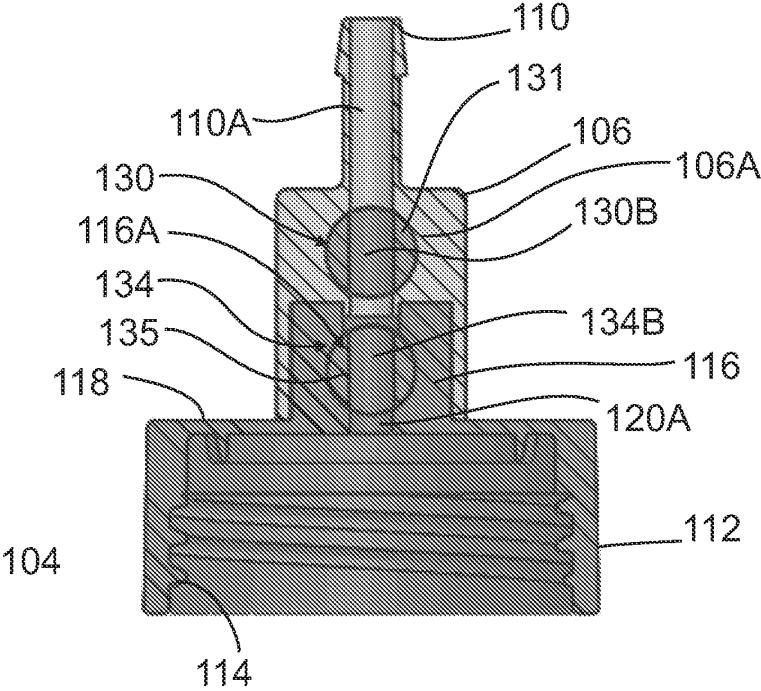


FIG. 1



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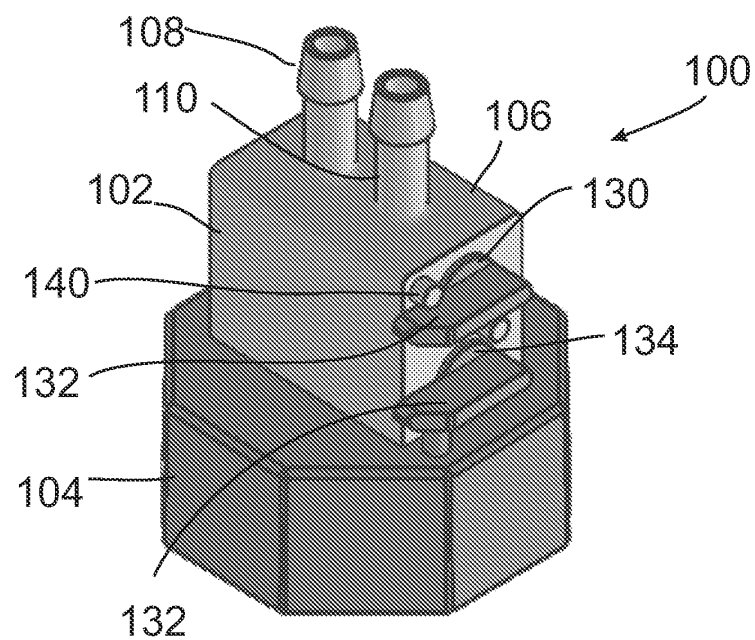
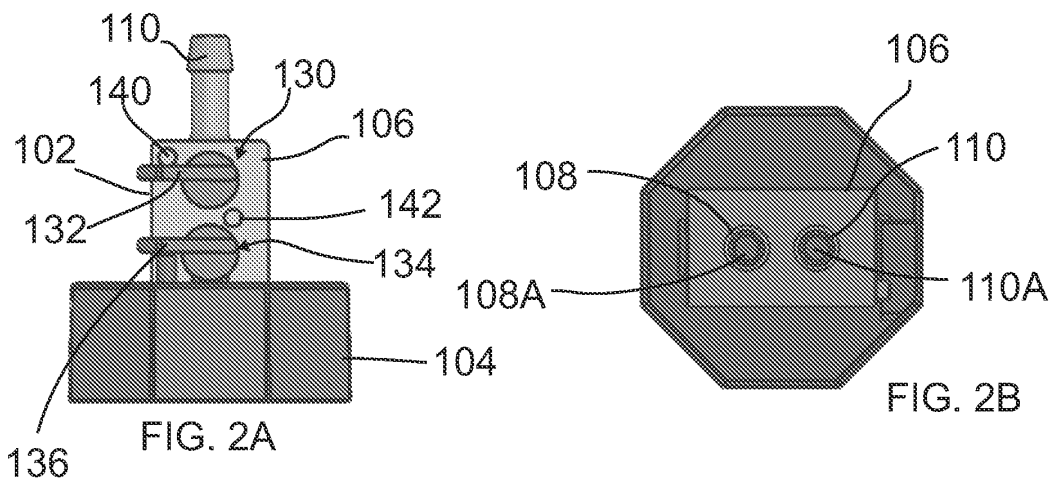
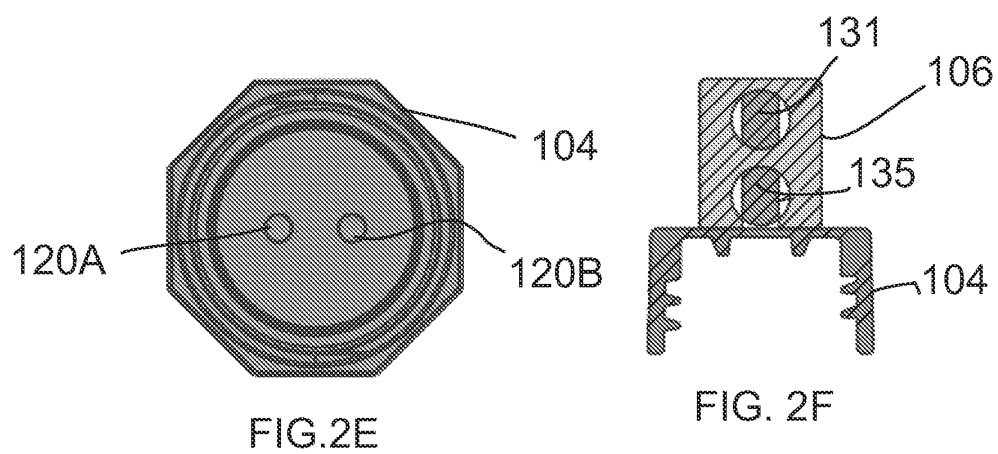
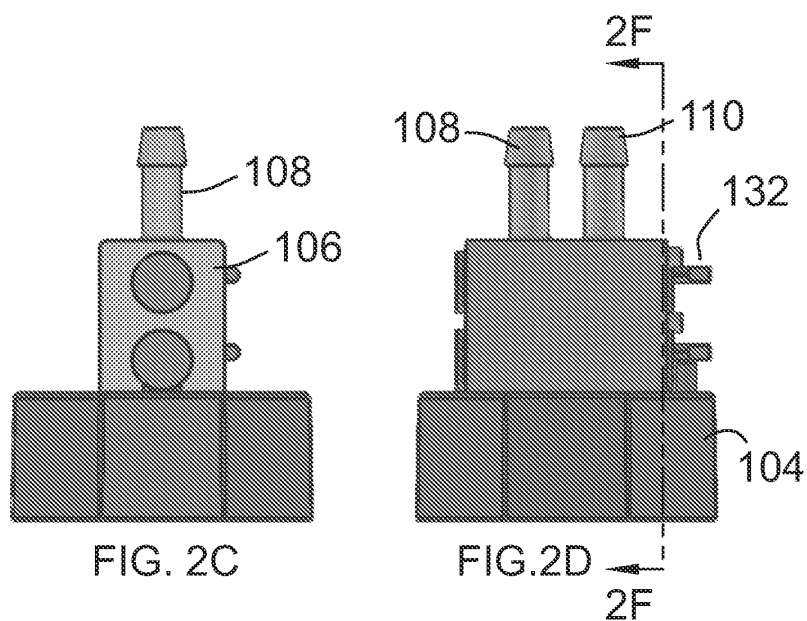


FIG. 2





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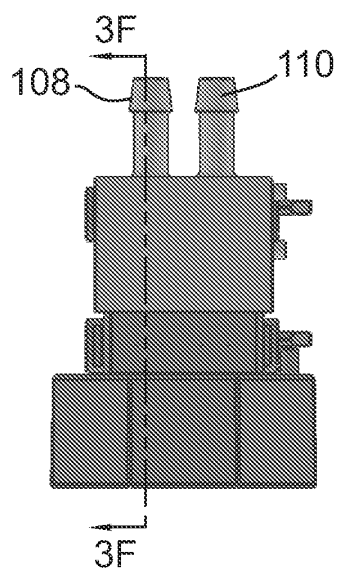


FIG. 3A

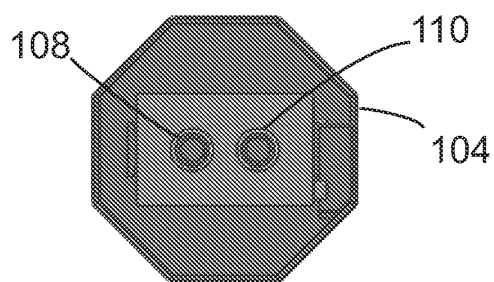


FIG. 3B

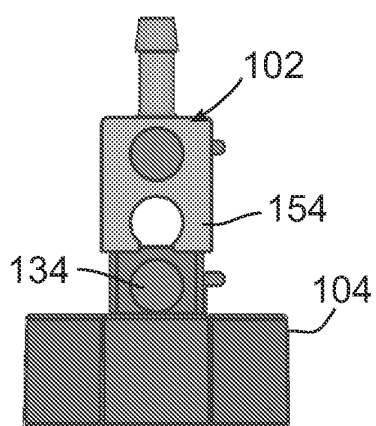


FIG. 3C

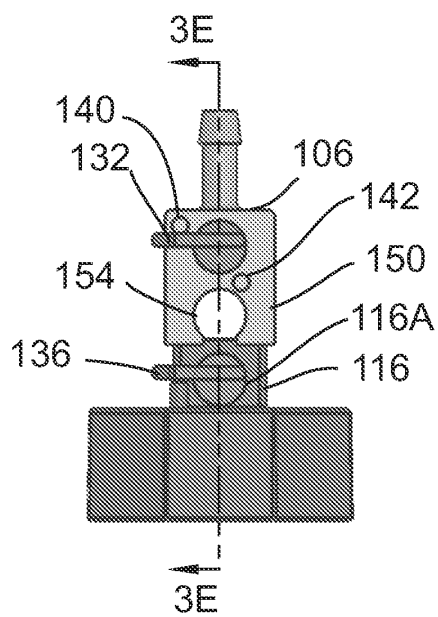


FIG. 3D

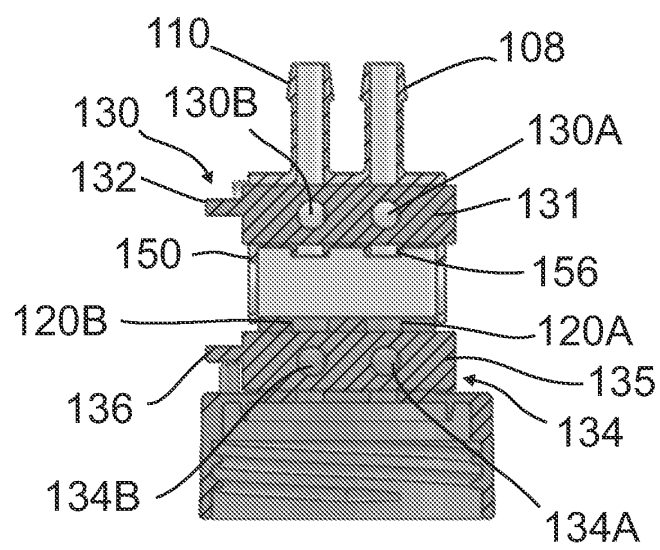


FIG. 3E

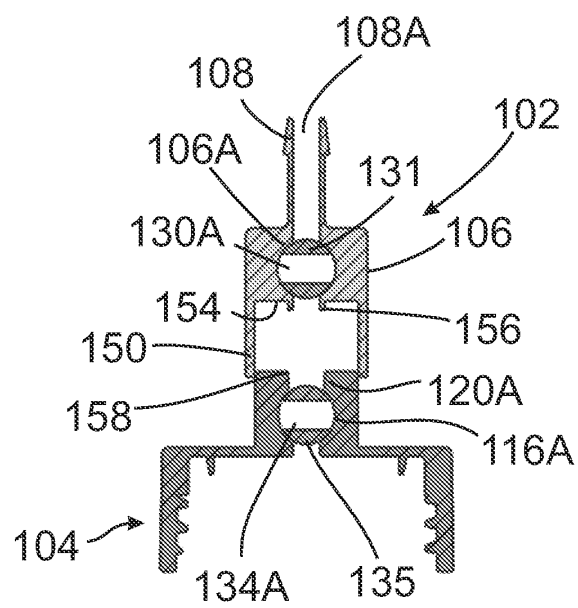


FIG. 3F

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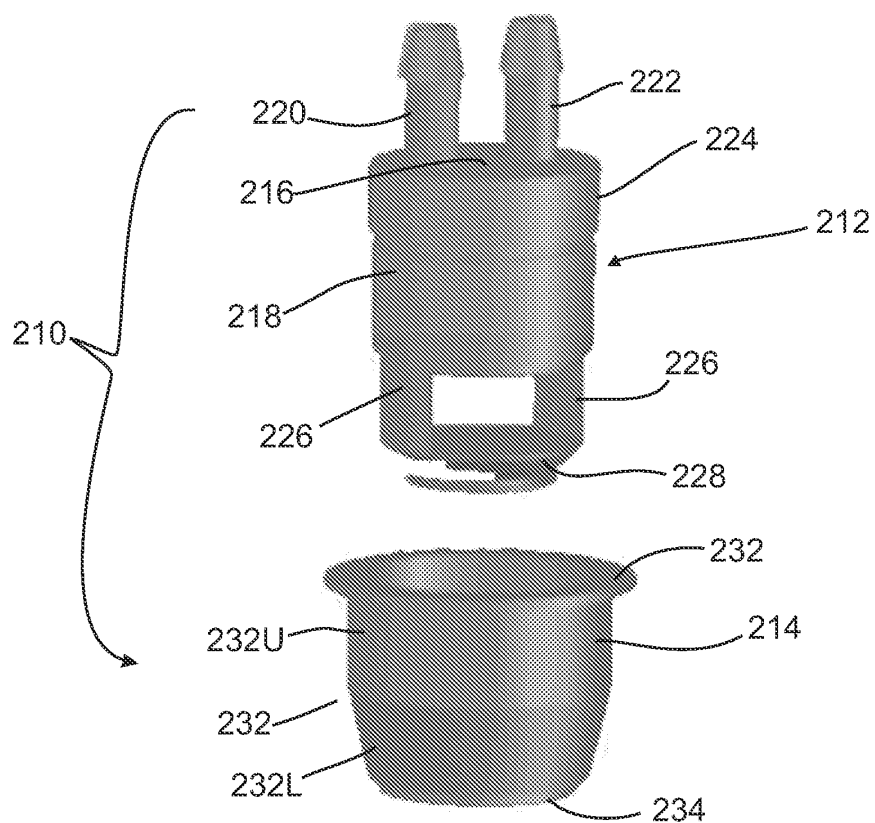


FIG. 4

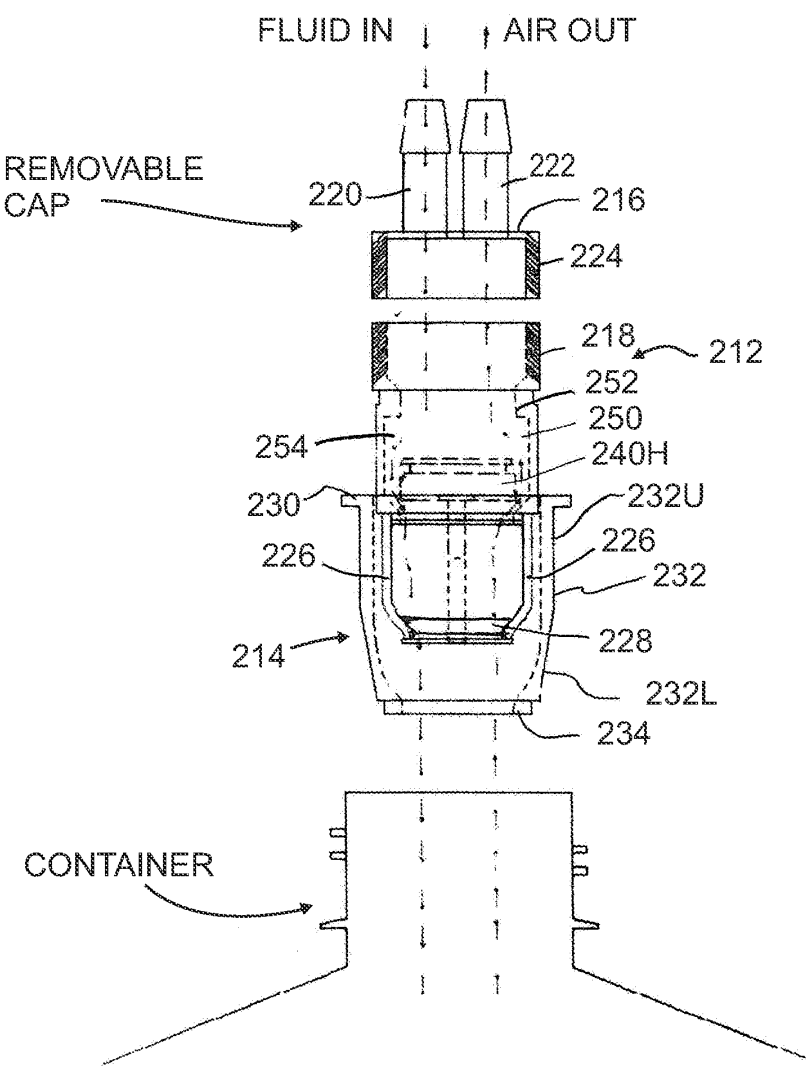


FIG 5A

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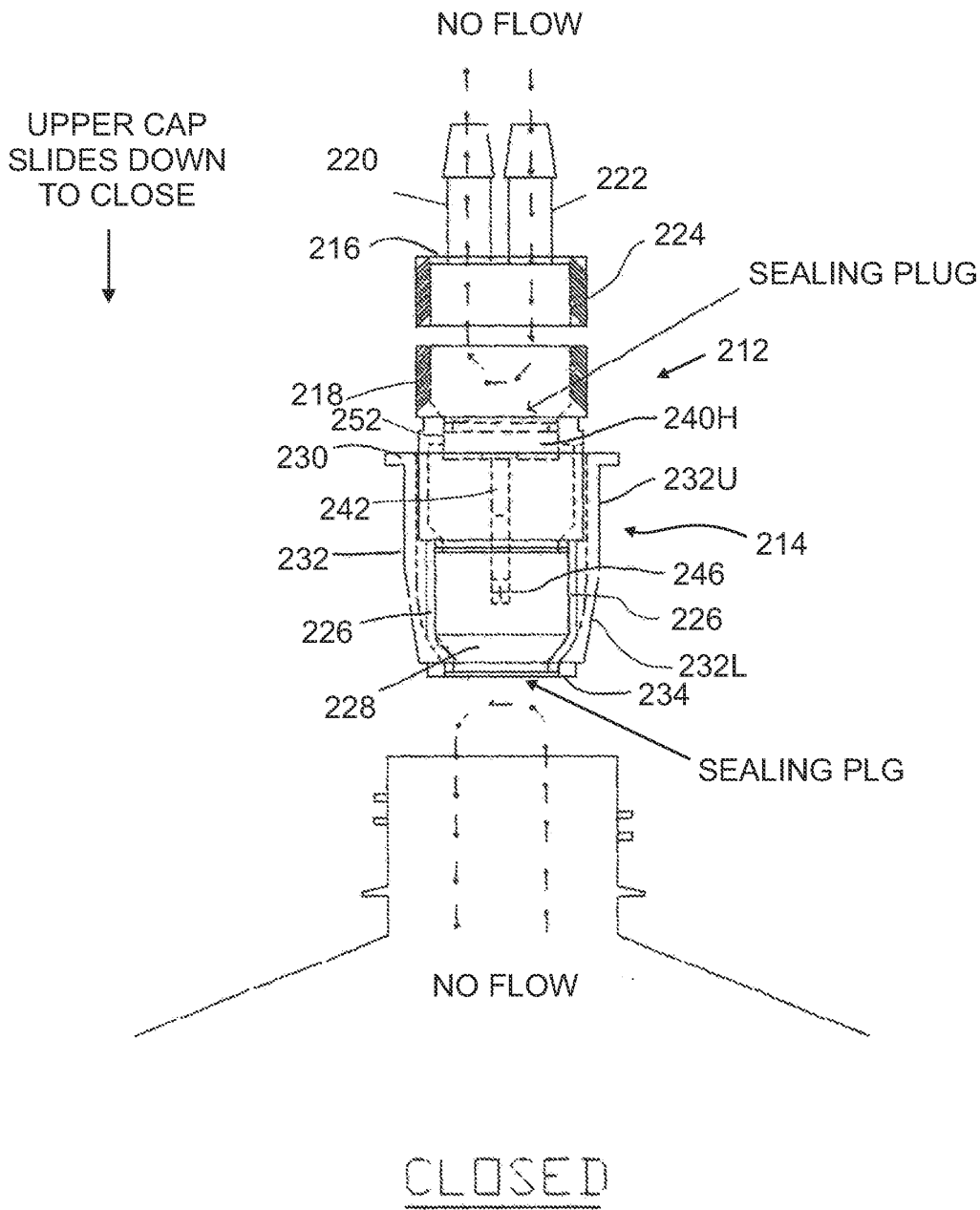


FIG. 5B

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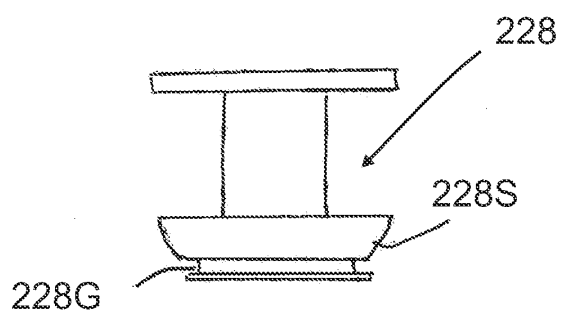


FIG. 6

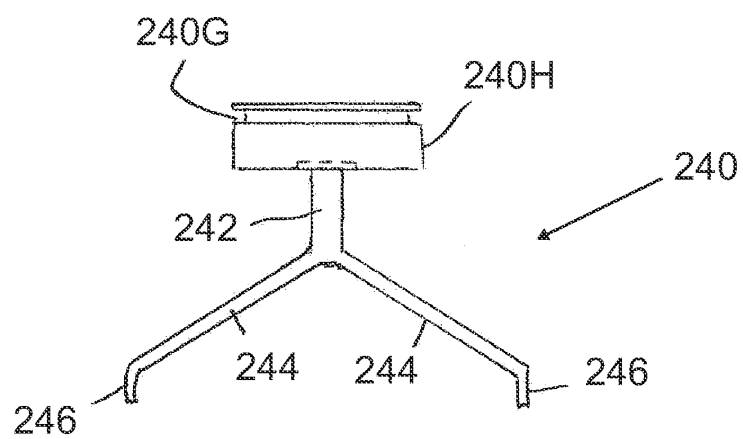


FIG. 7

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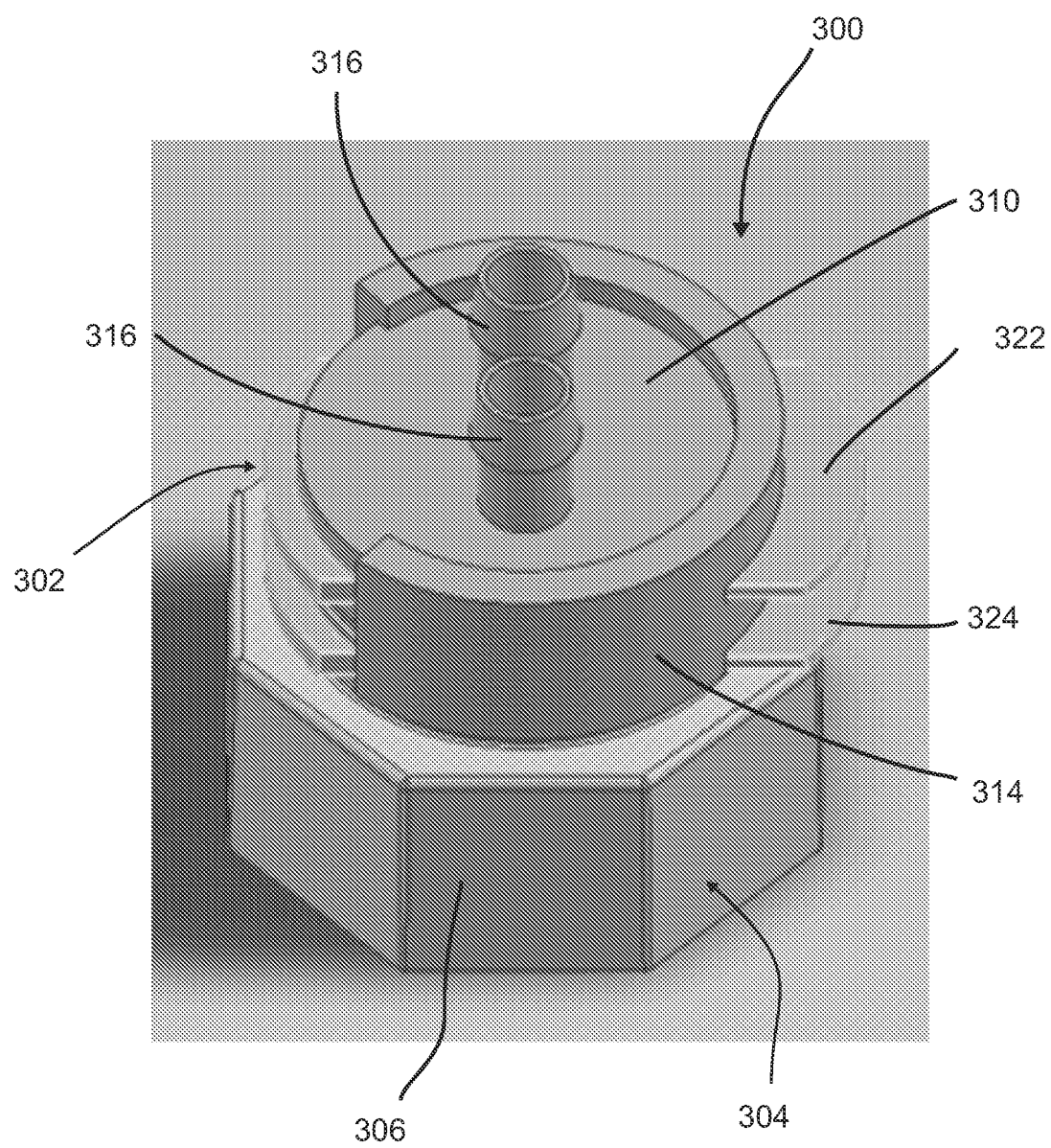


FIG. 8

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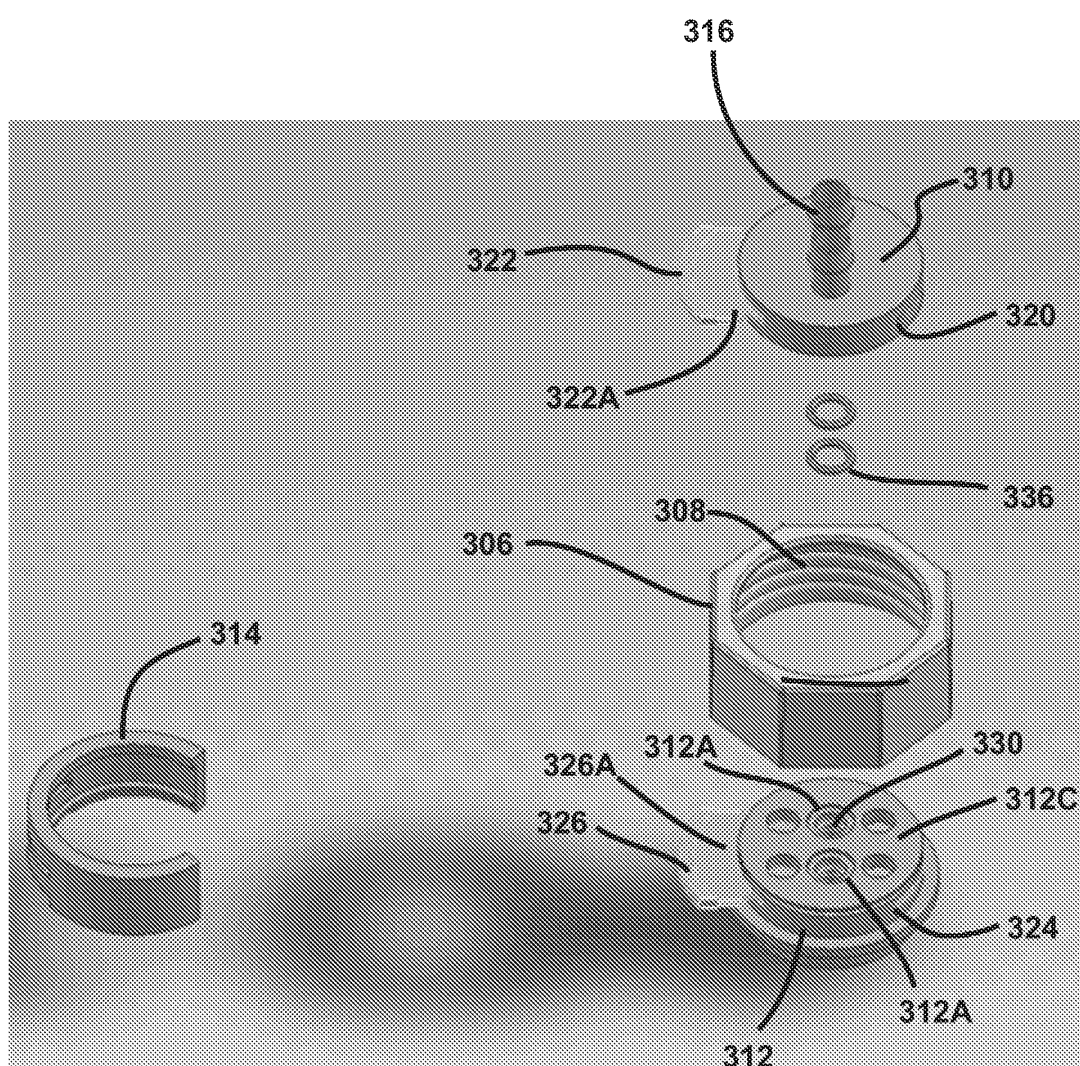


FIG. 8A

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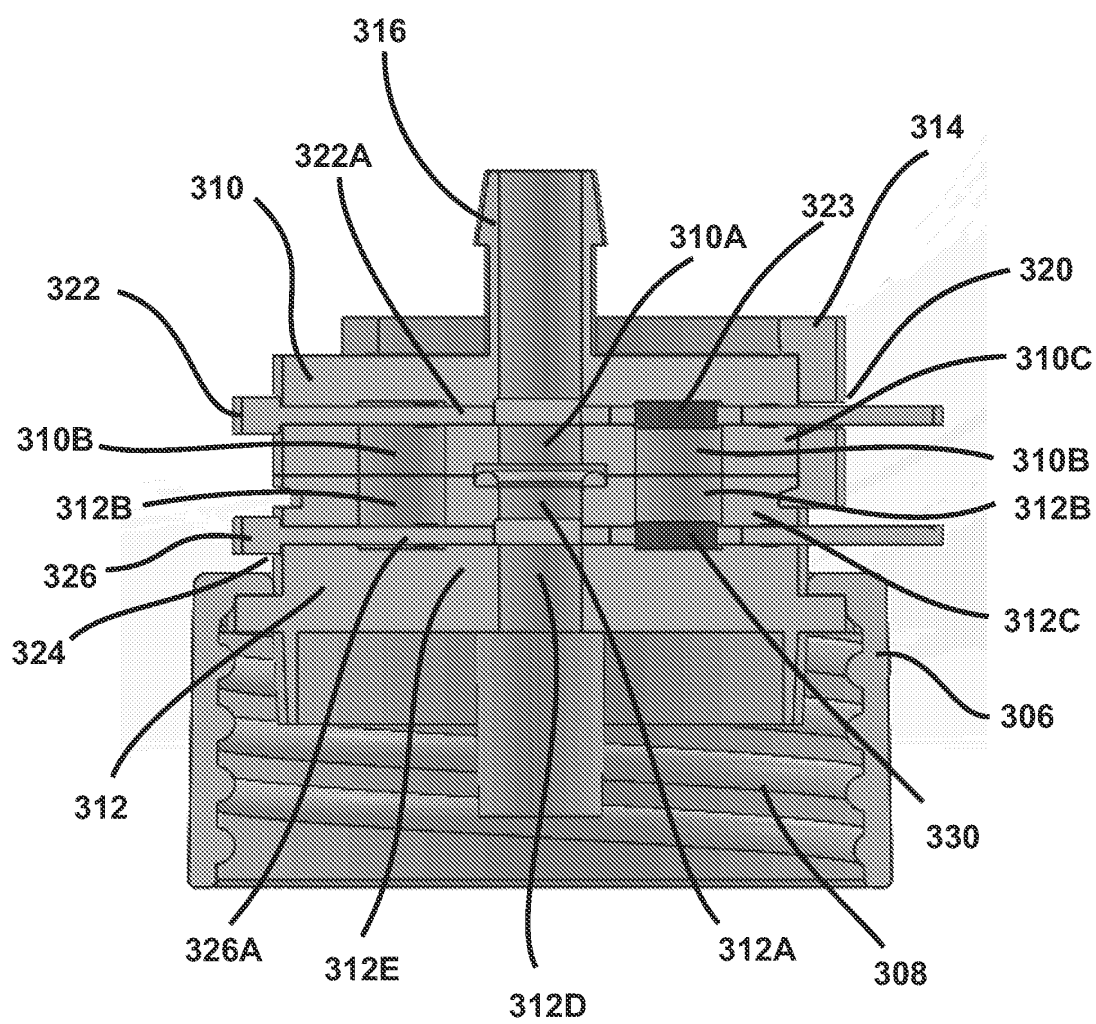


FIG. 8B

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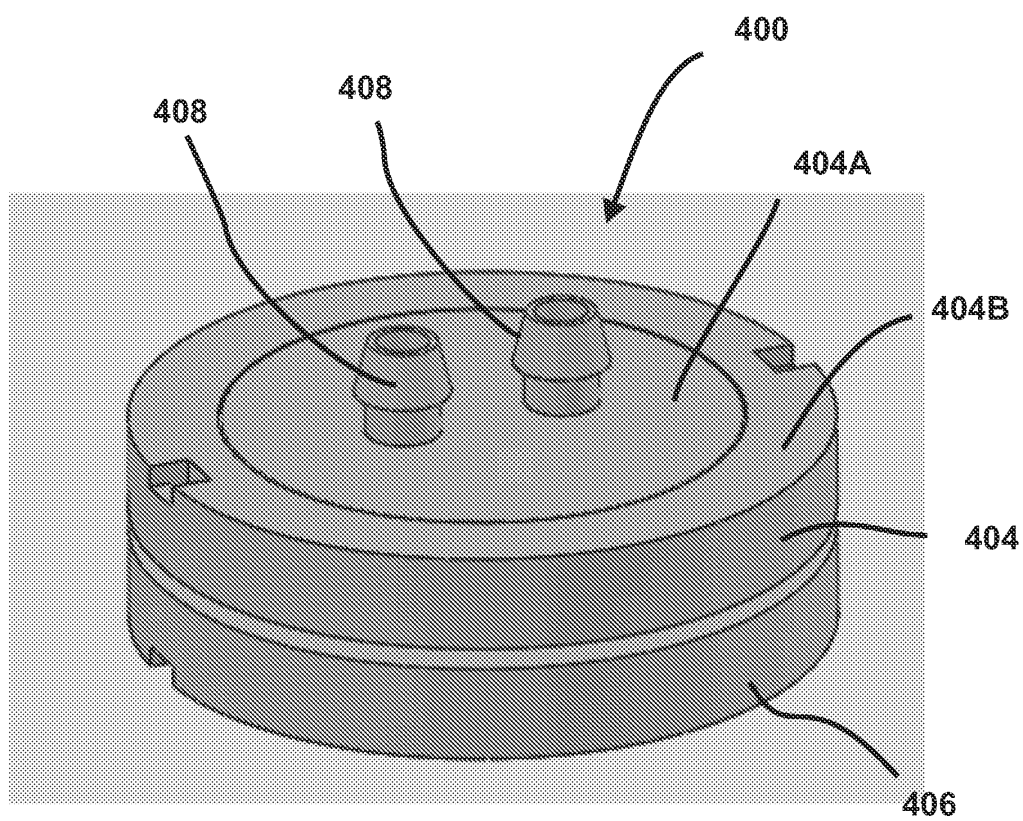


FIG. 9

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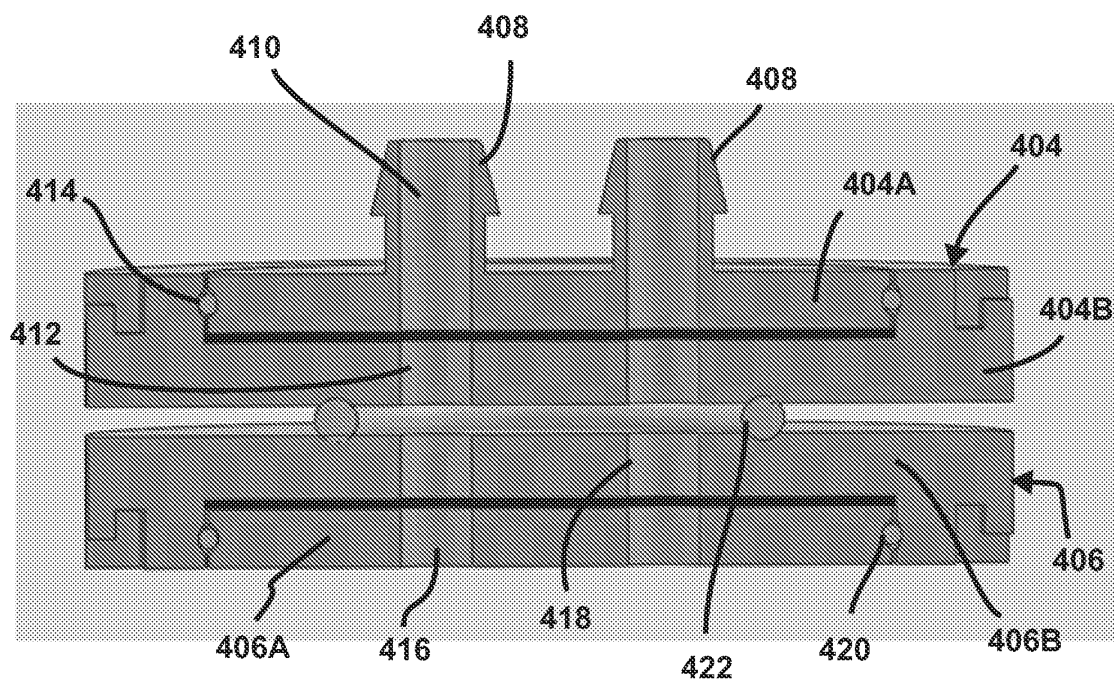


FIG. 9A

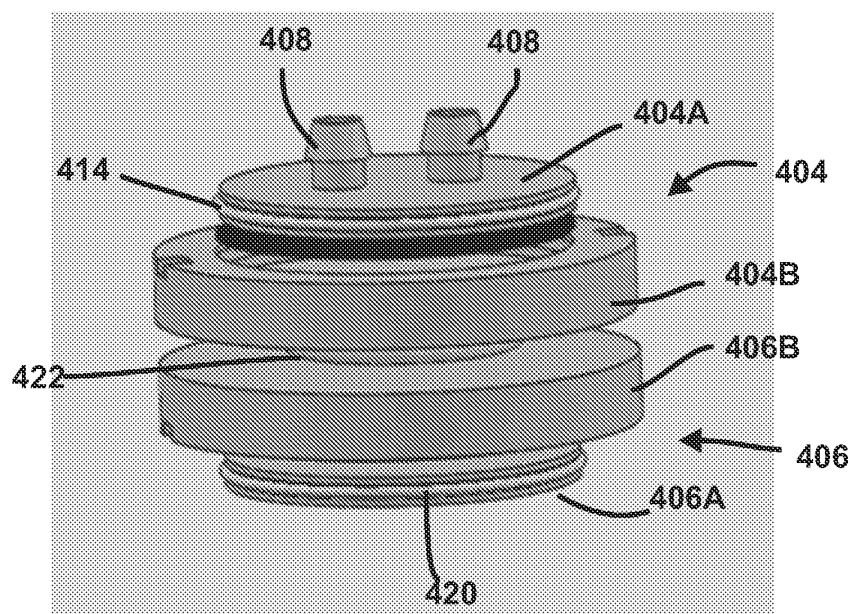


FIG. 9B

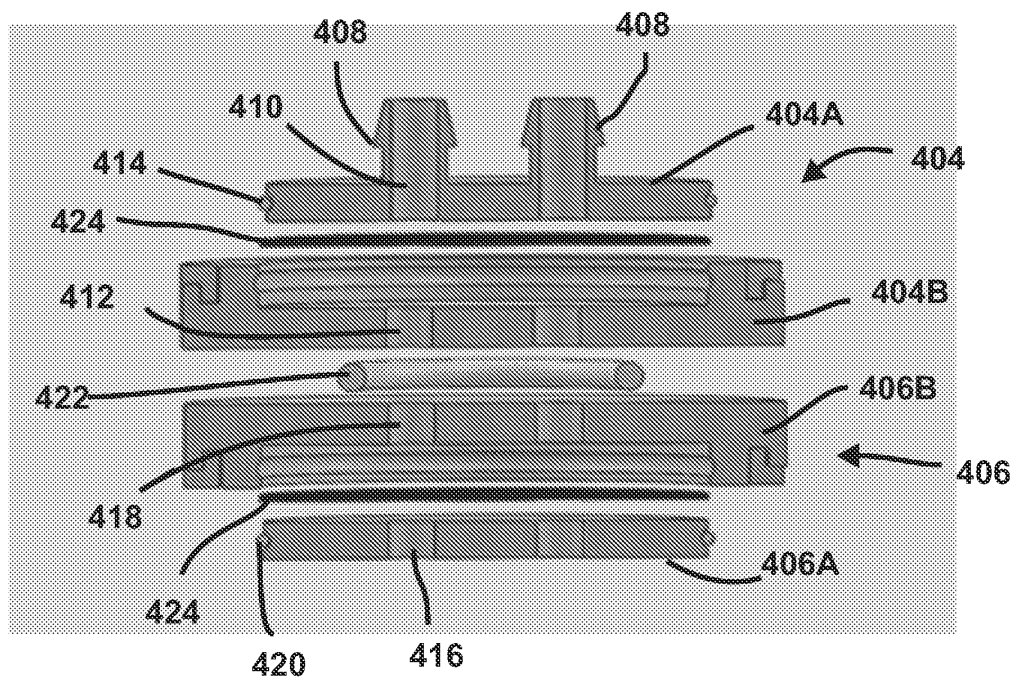


FIG. 9C

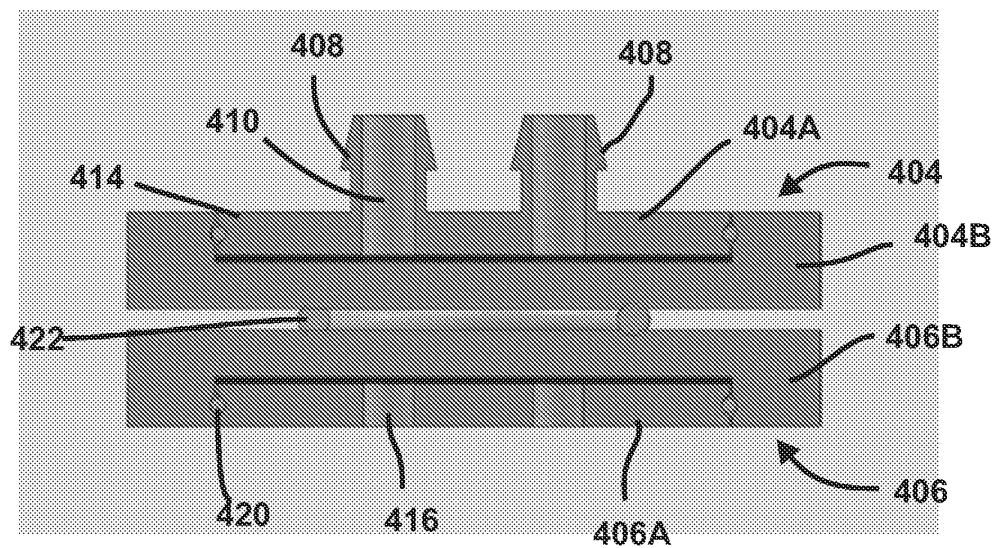


FIG. 9D

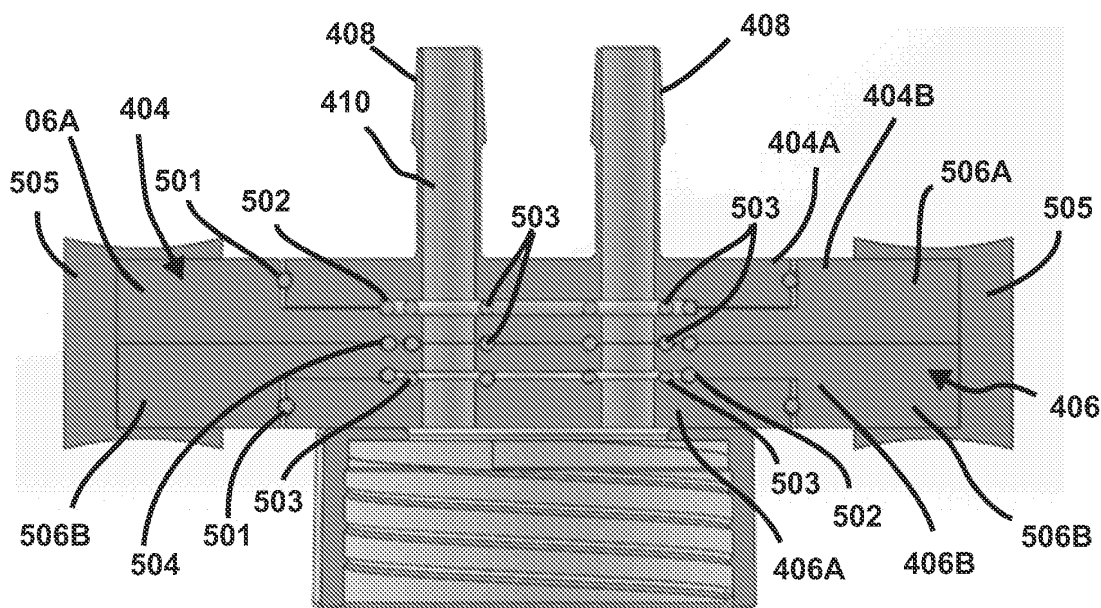
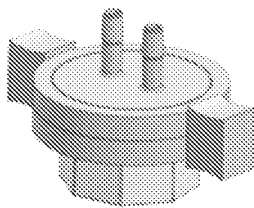


FIG. 10



1. The cap is designed to seal both fluid paths

FIG. 11A

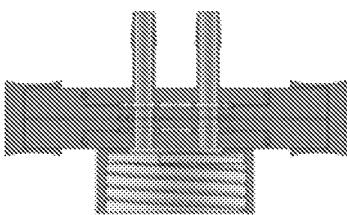
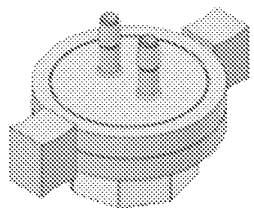


FIG. 11B



2. A simple twisting action is performed to counter align the fluid paths to allow for the seal

FIG. 11C

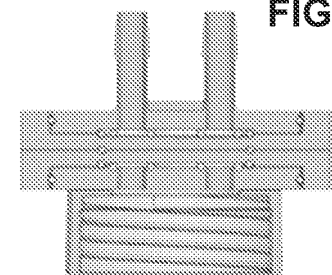


FIG. 11D

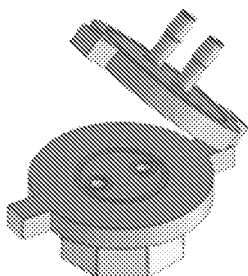


FIG. 11E

3. Once the paths are sealed the cap allows for disconnect while maintaining sterility