

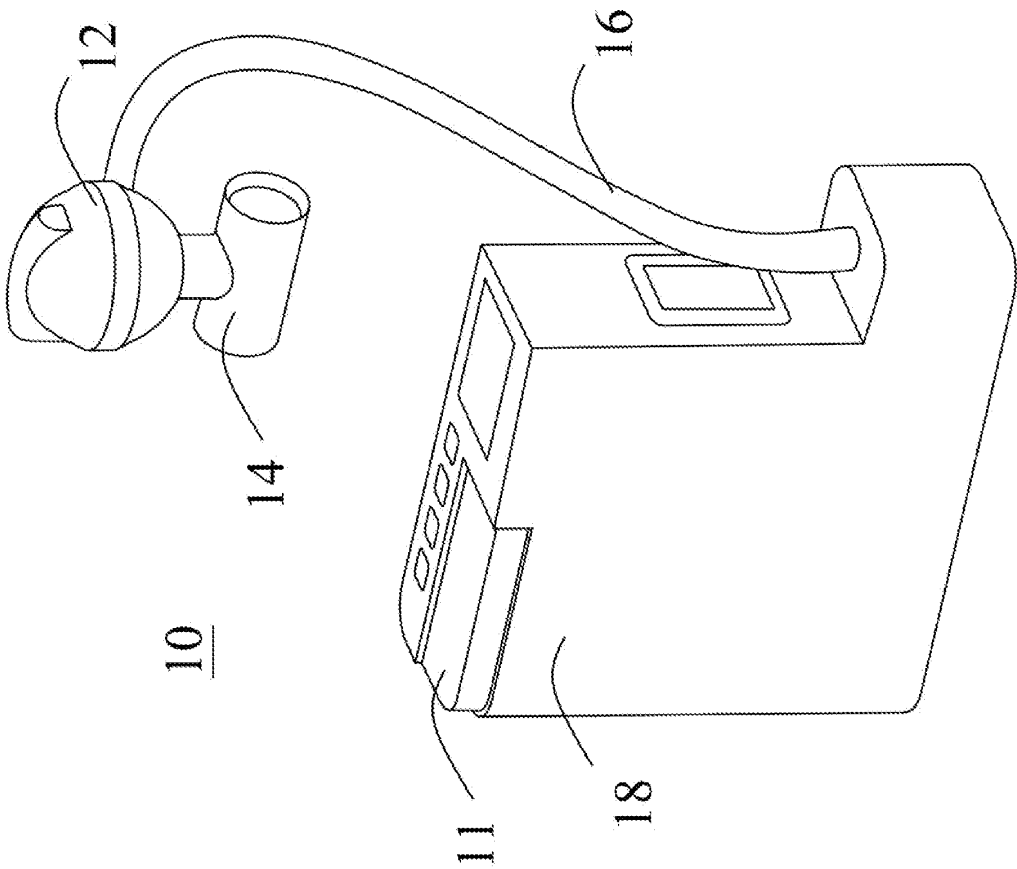


FIG. 1

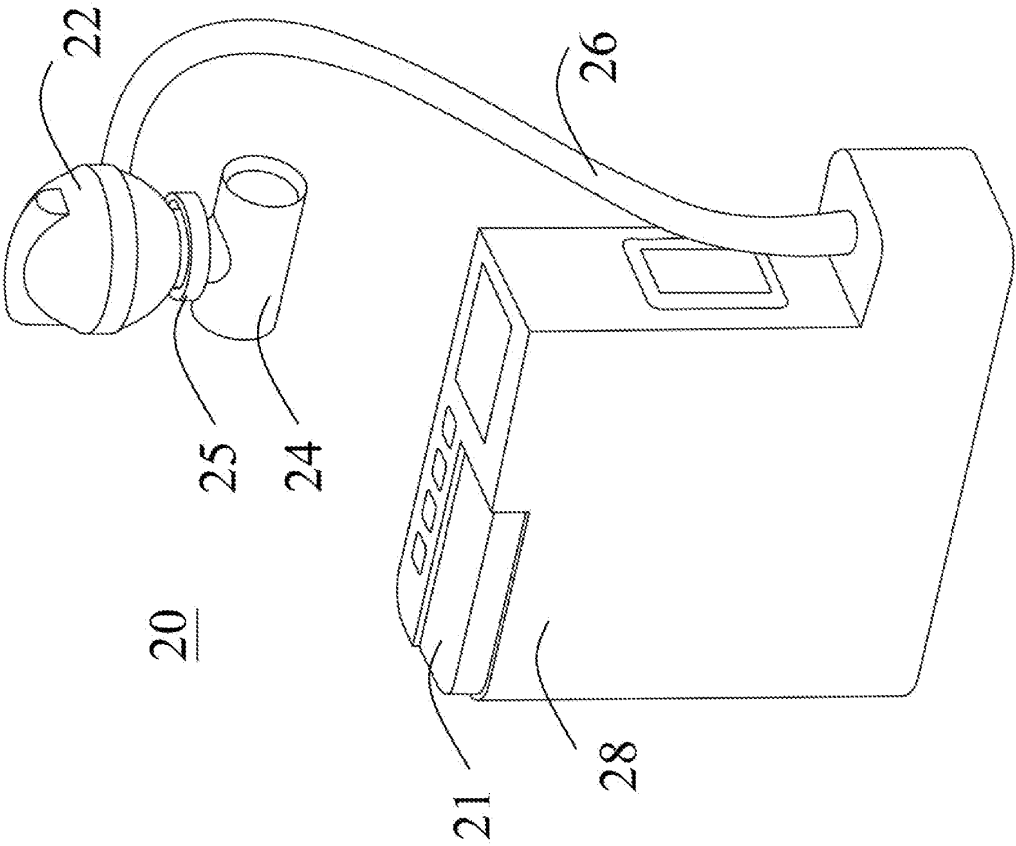


FIG. 2

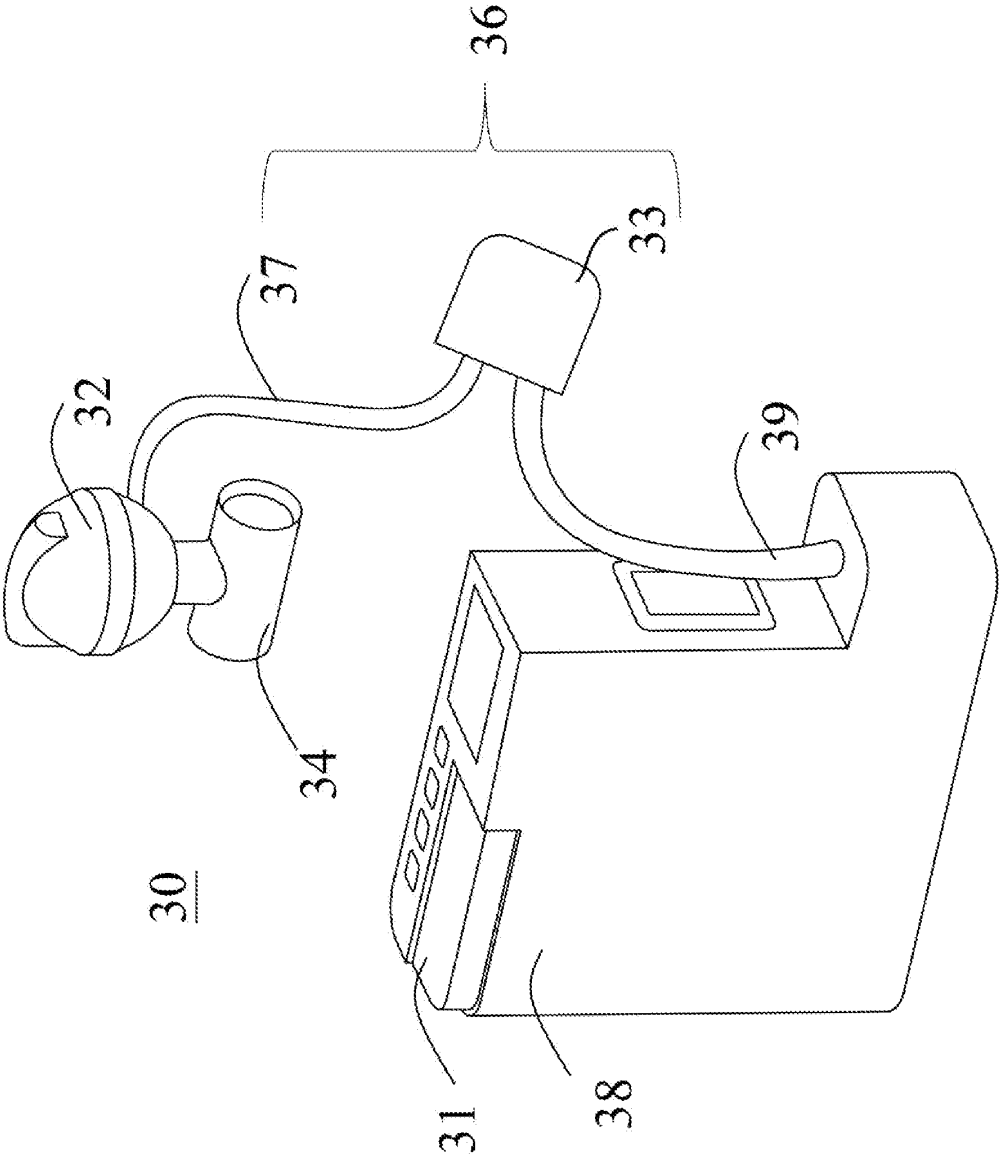


FIG. 3

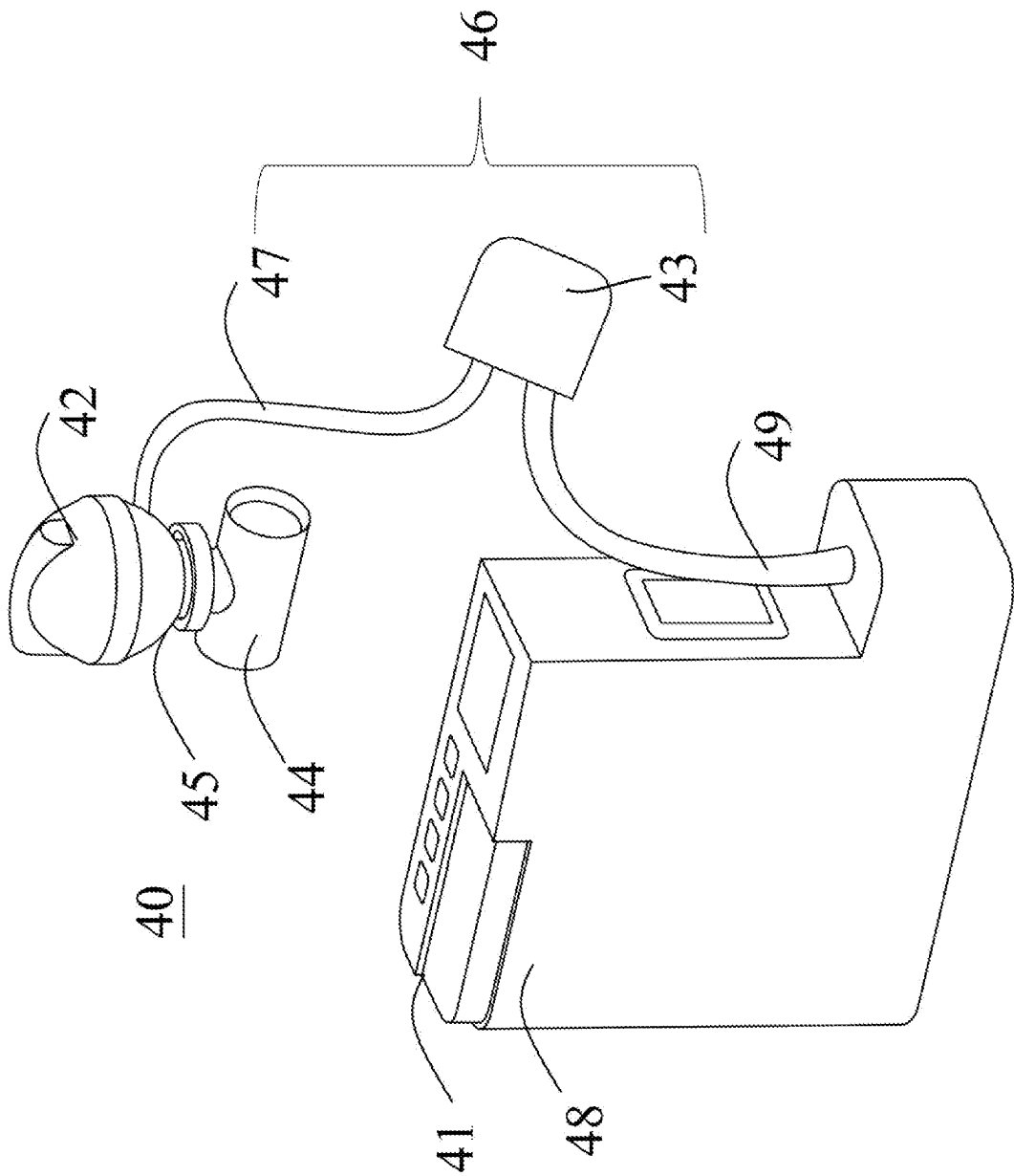


FIG. 4

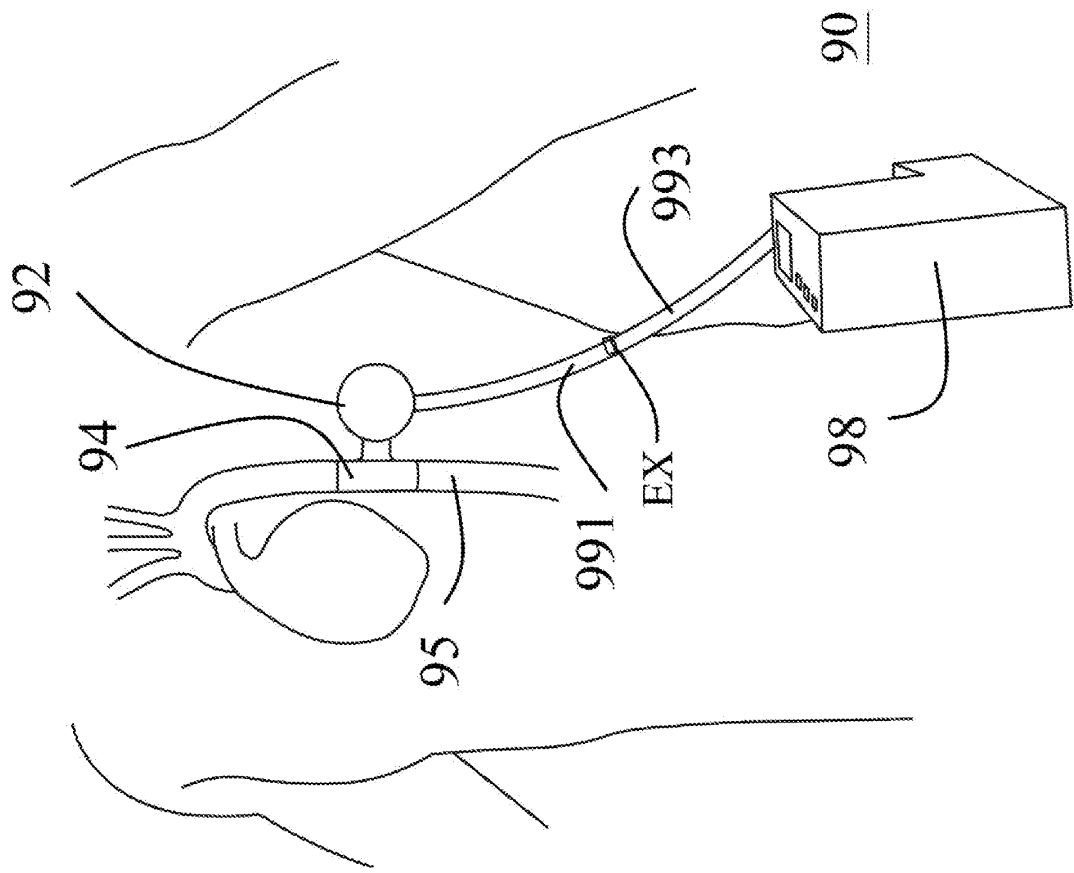


FIG. 5

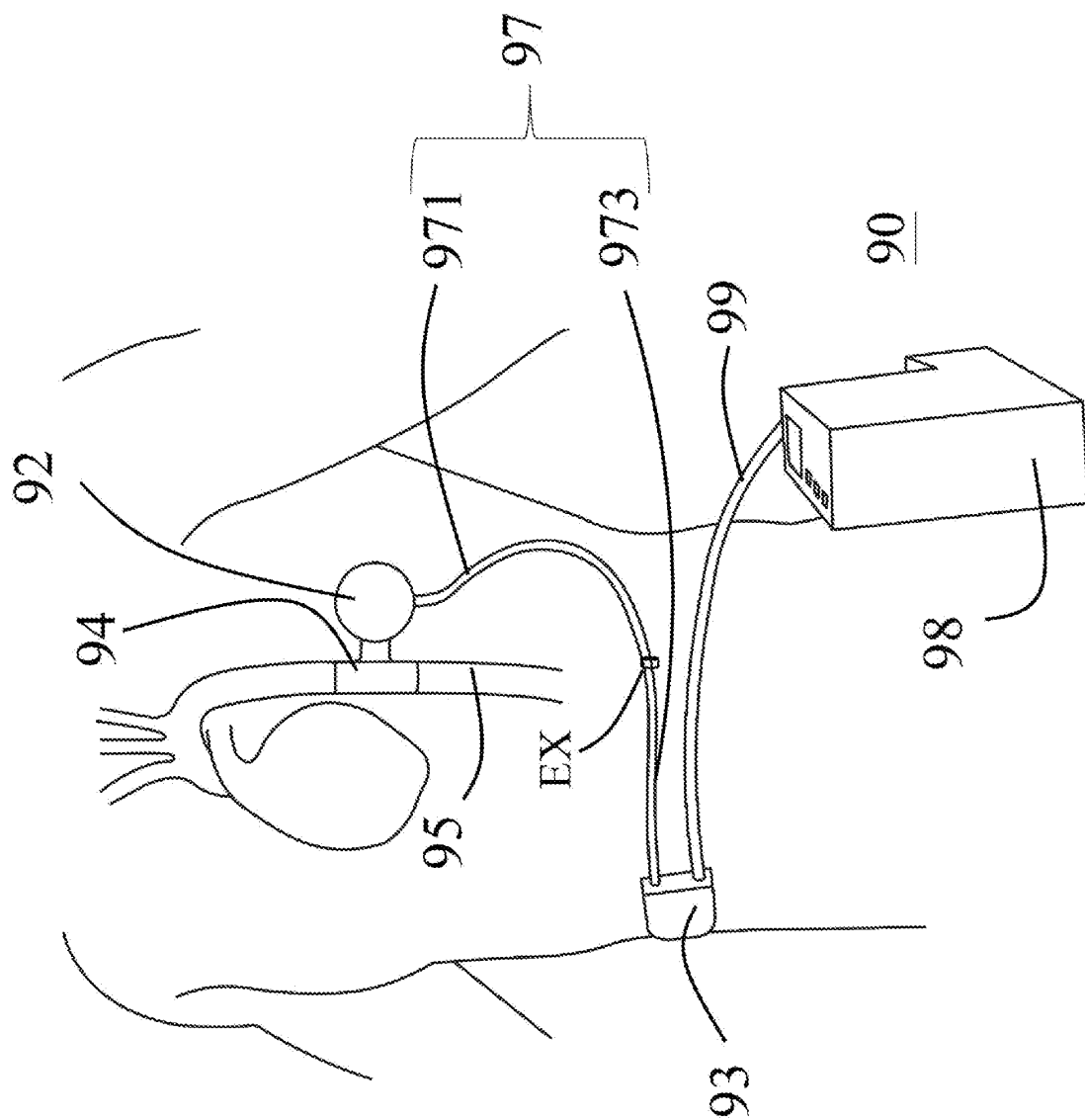


FIG. 6

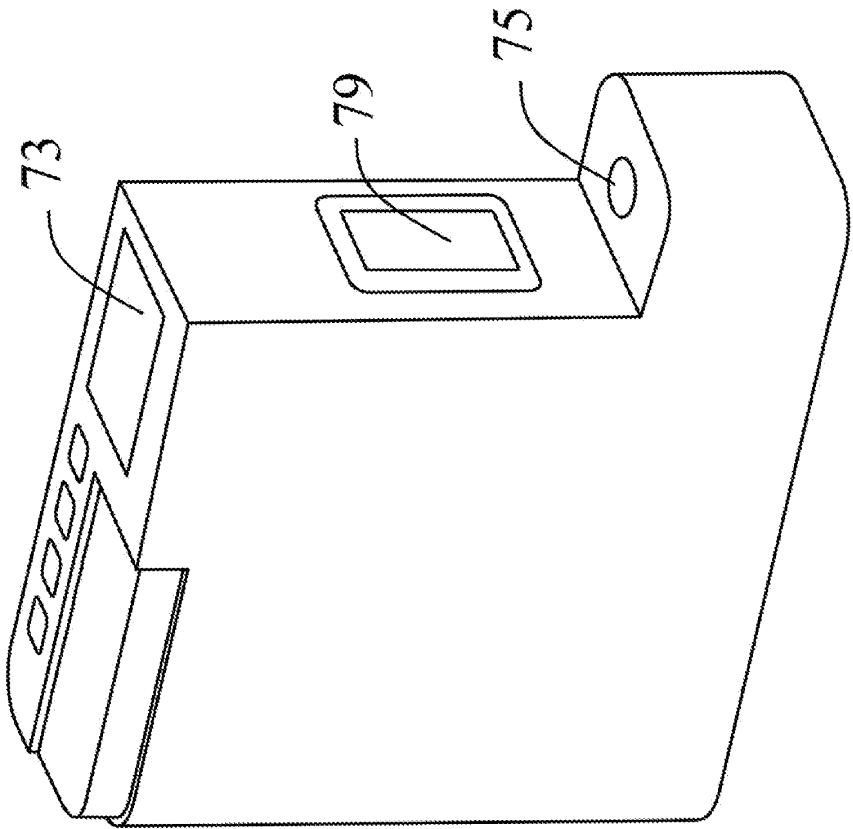


FIG. 7

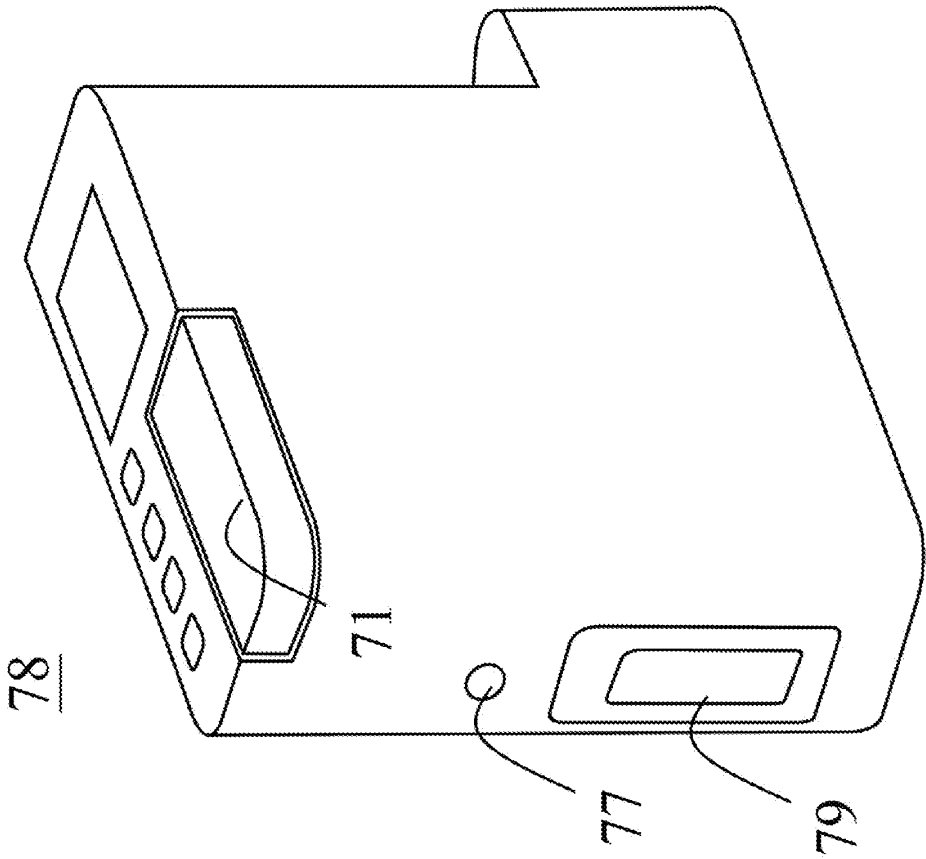


FIG. 8

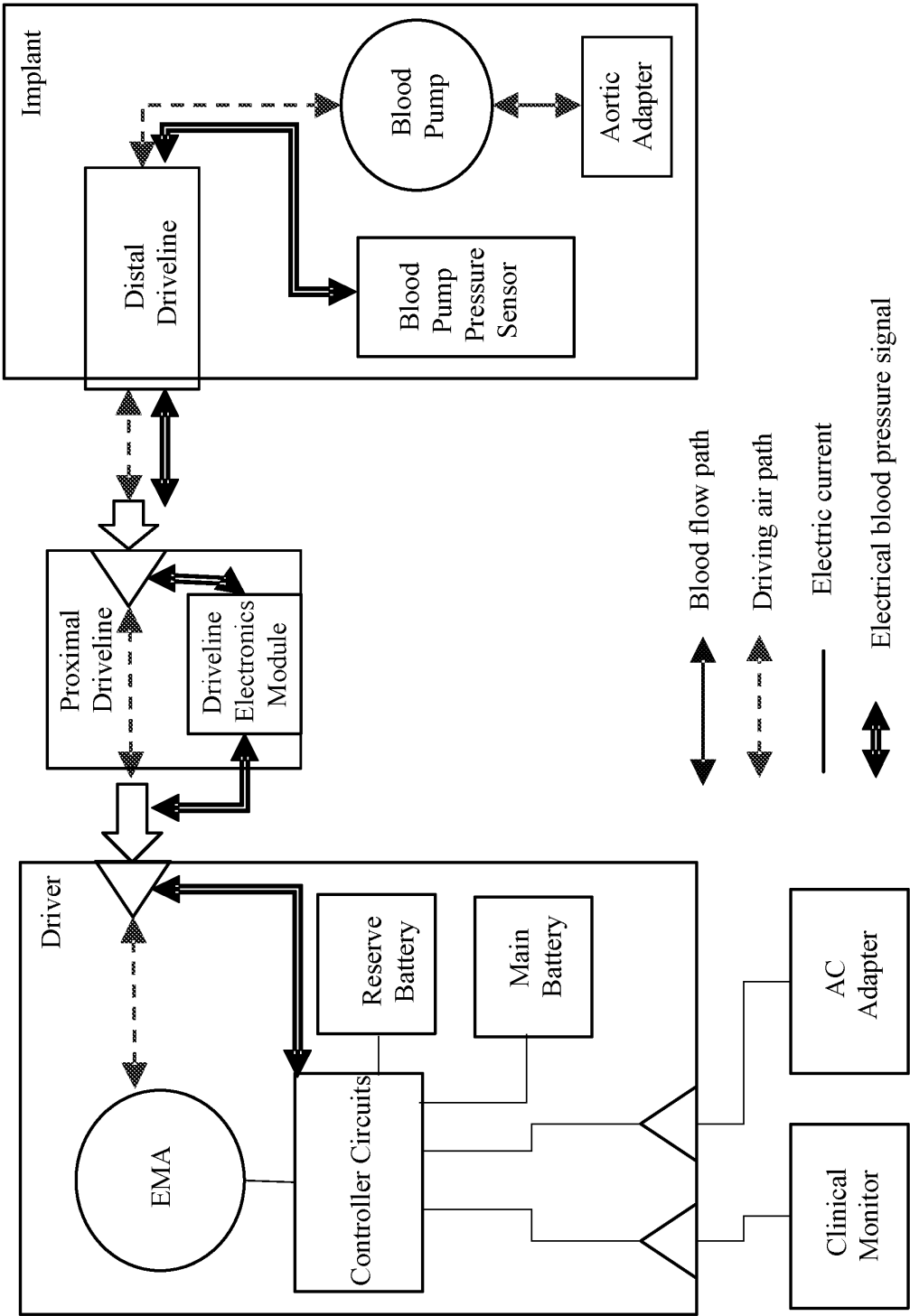


FIG. 9

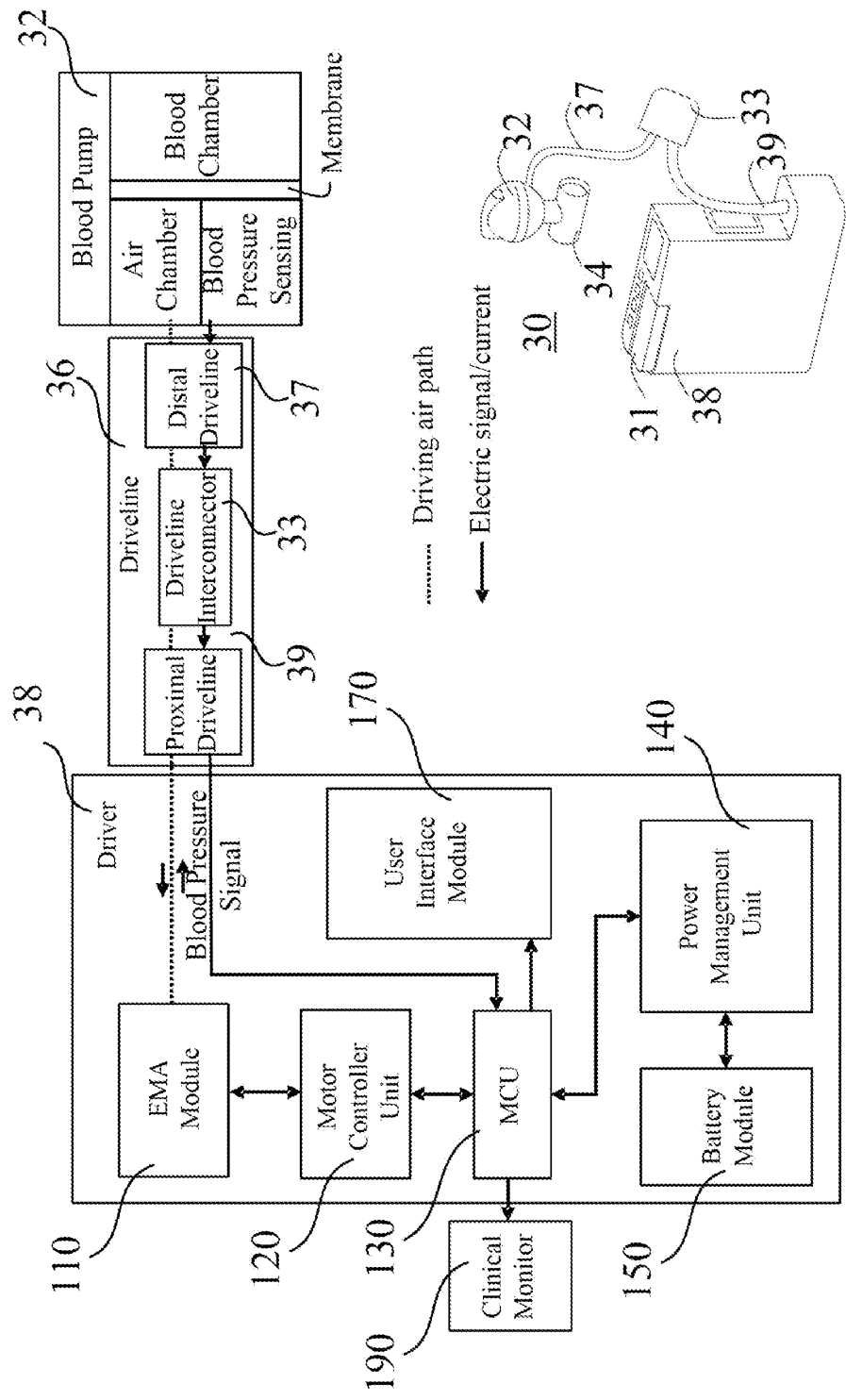


FIG. 10

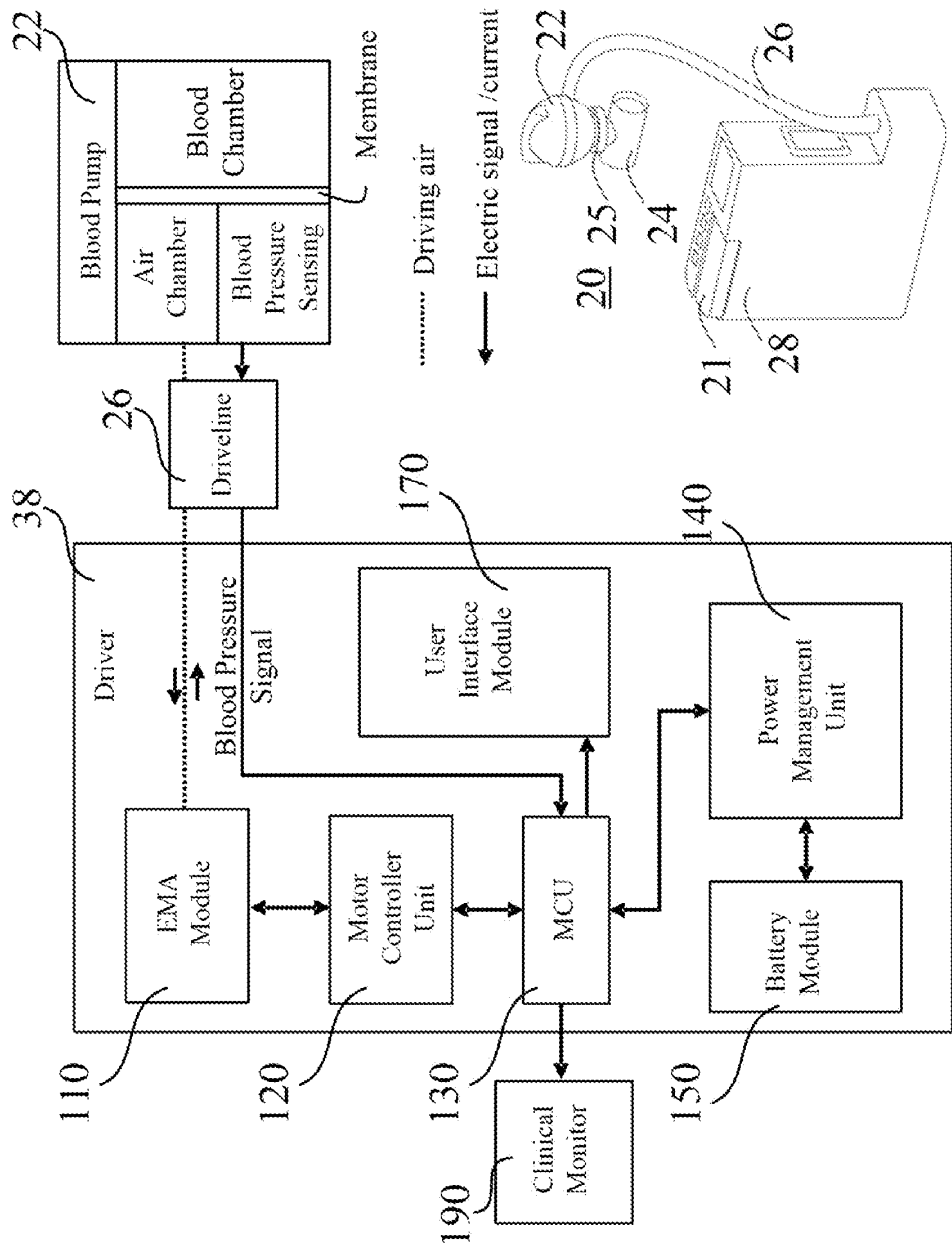


FIG. 11

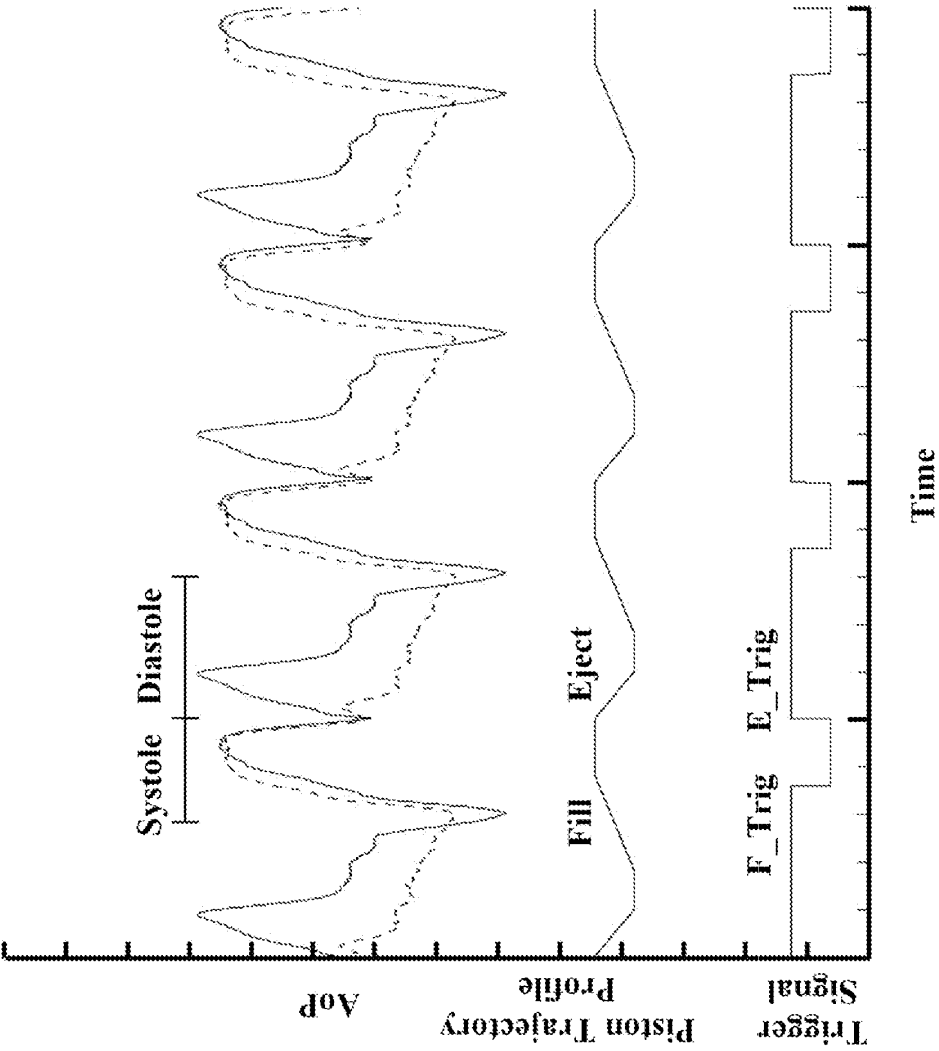


FIG. 12

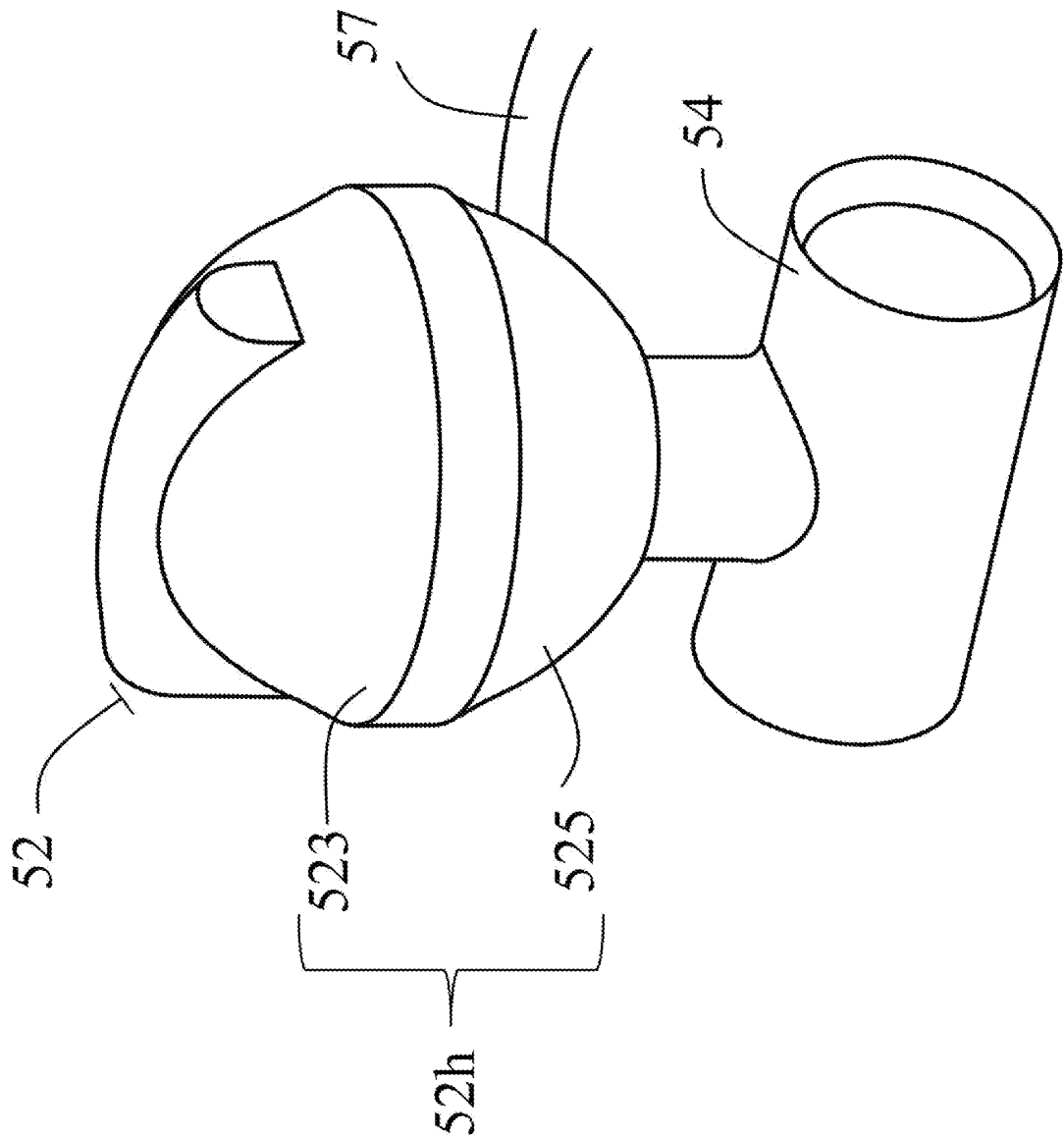


FIG. 13A

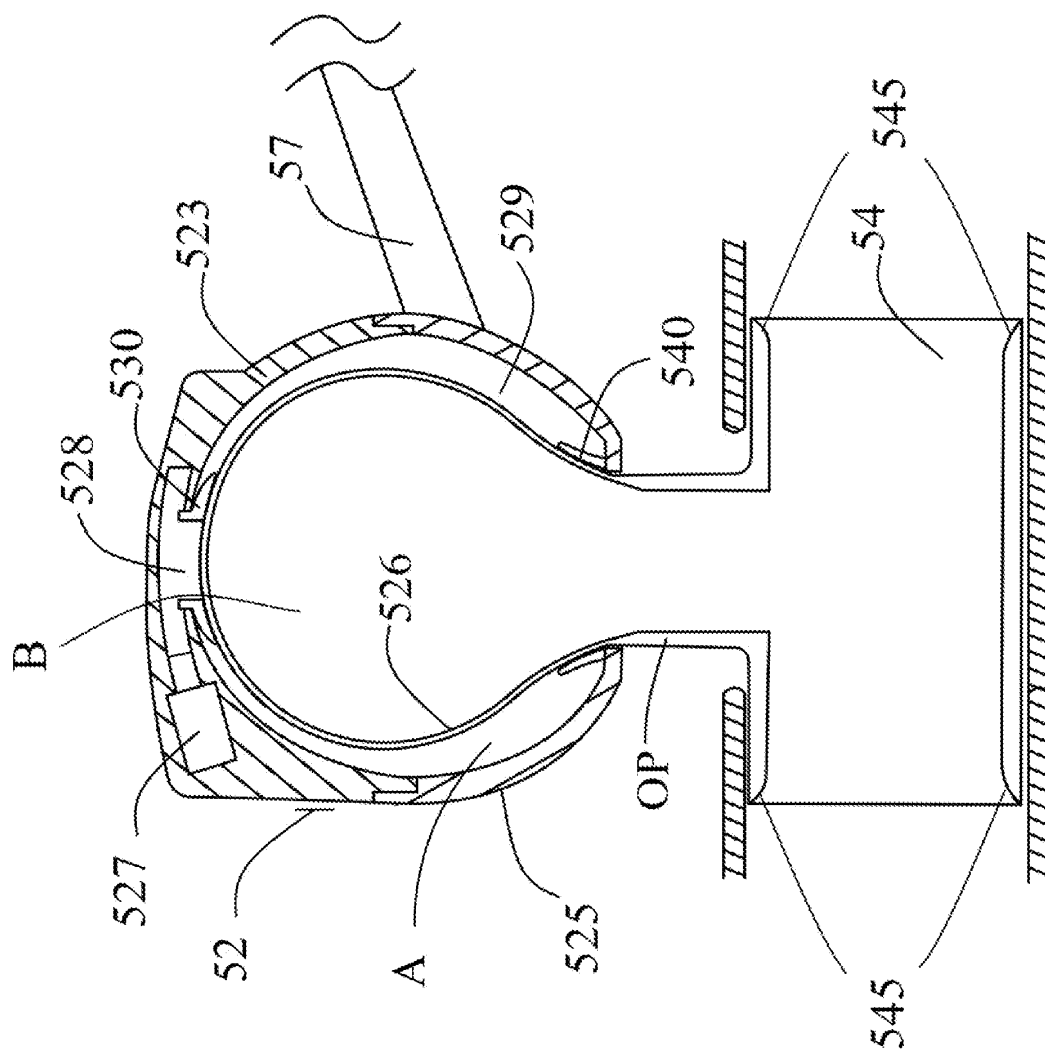


FIG. 13B

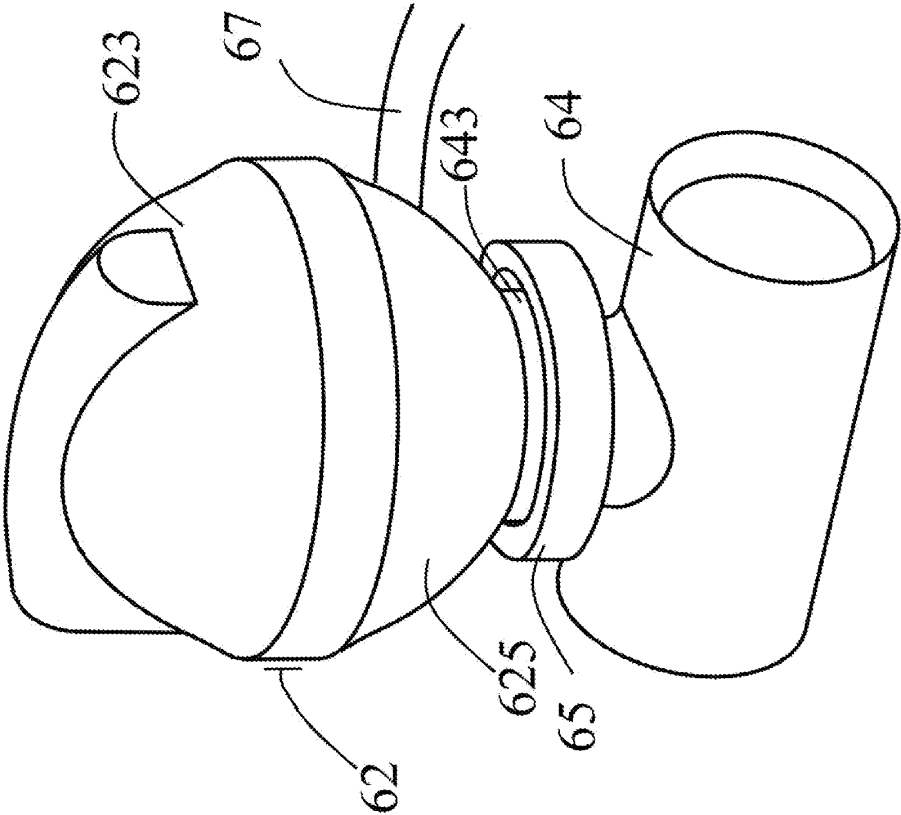


FIG. 14A

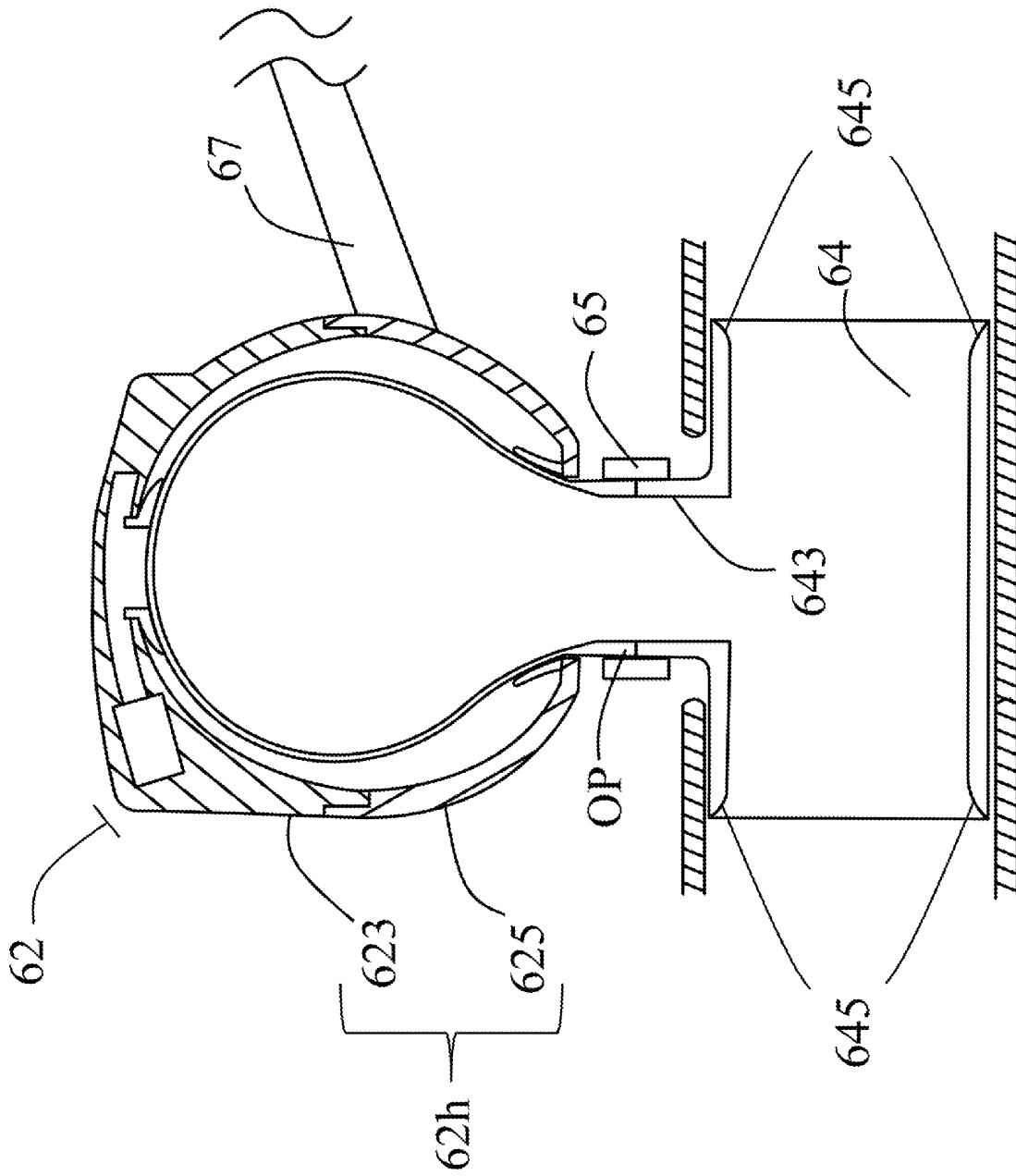


FIG. 14B

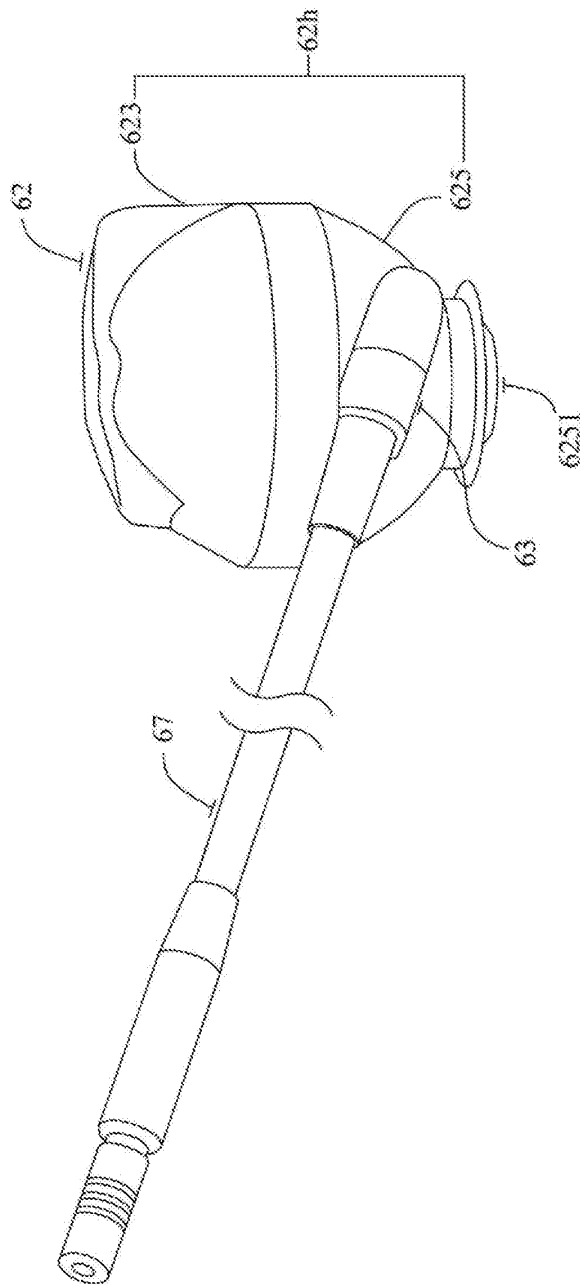


FIG. 15

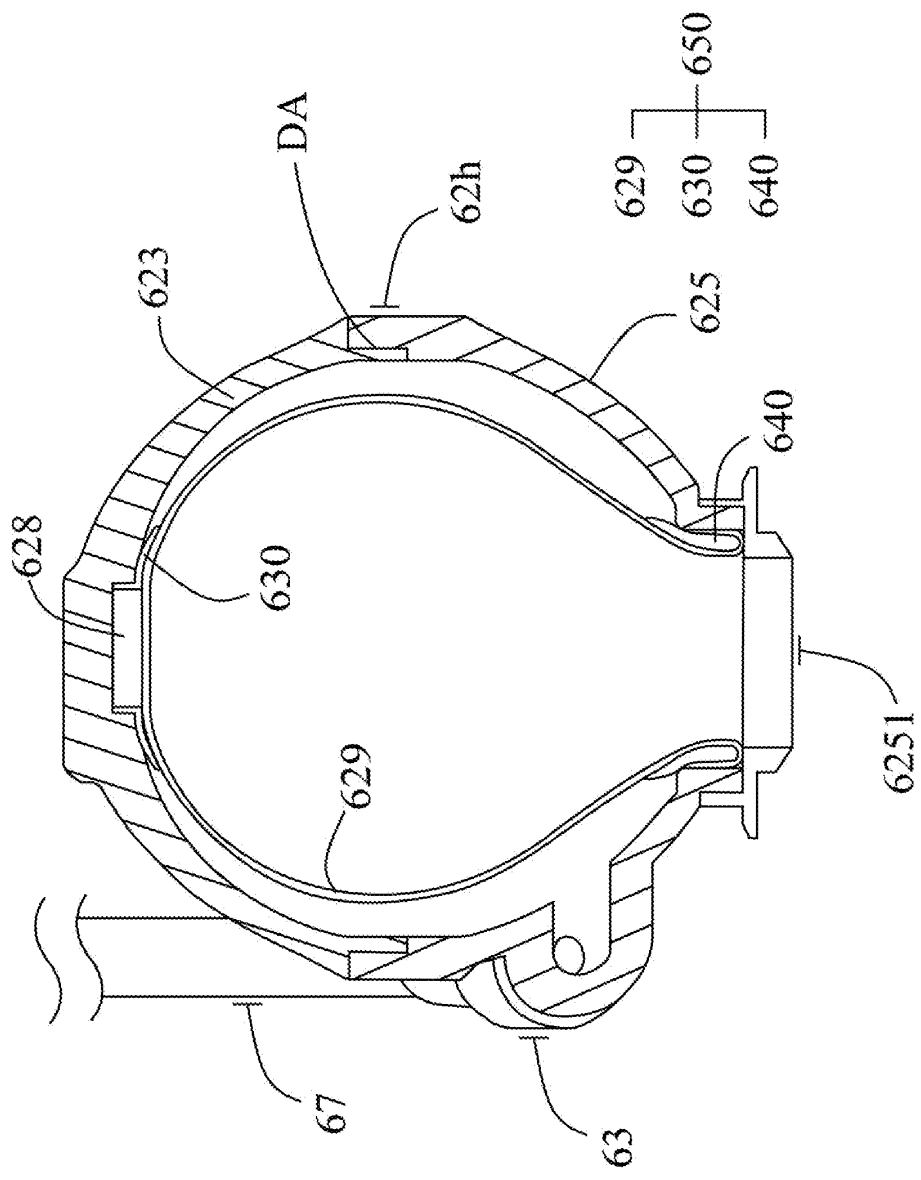


FIG. 16

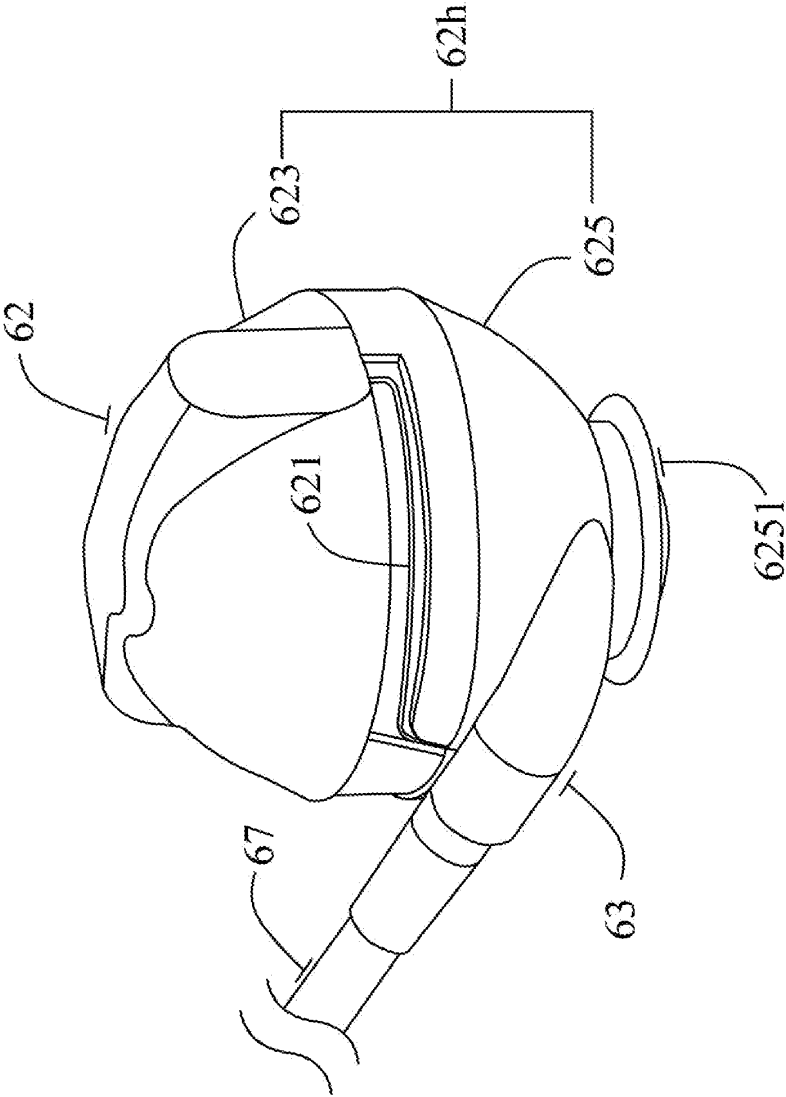


FIG. 17

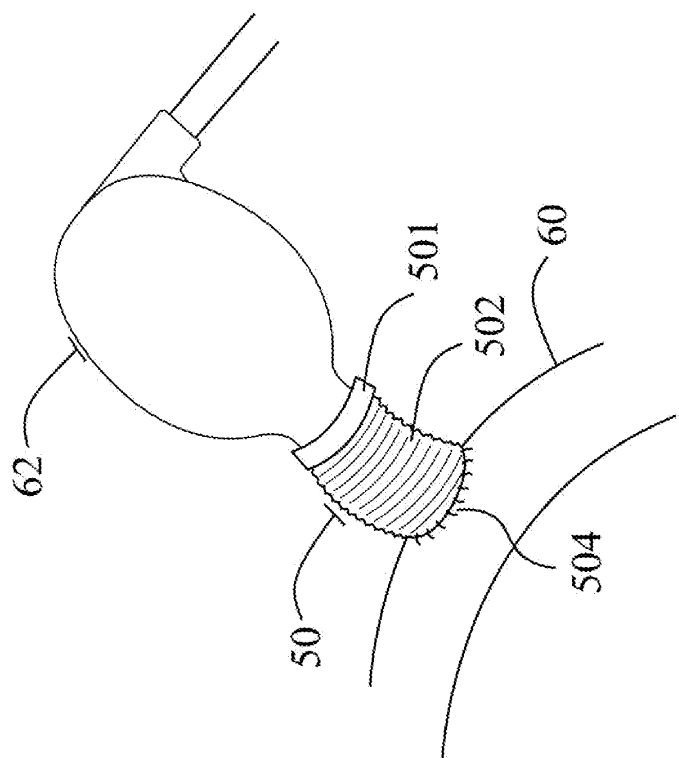


FIG. 18A

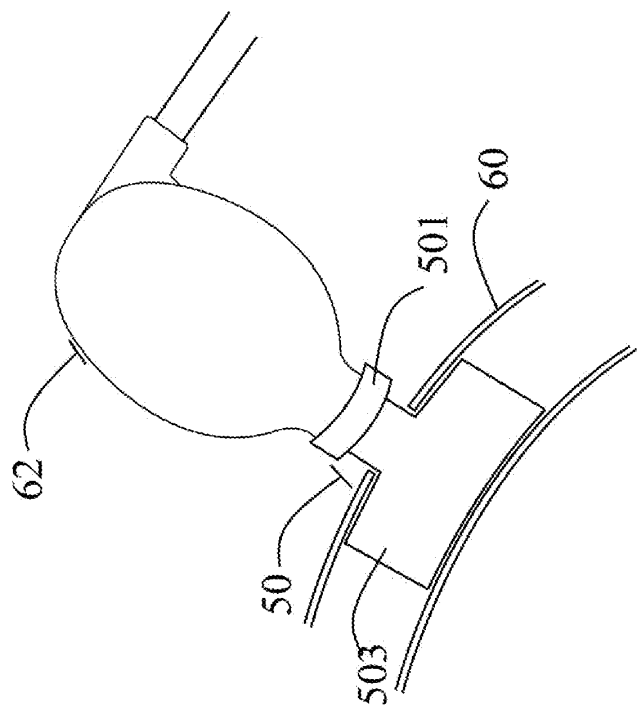


FIG. 18B

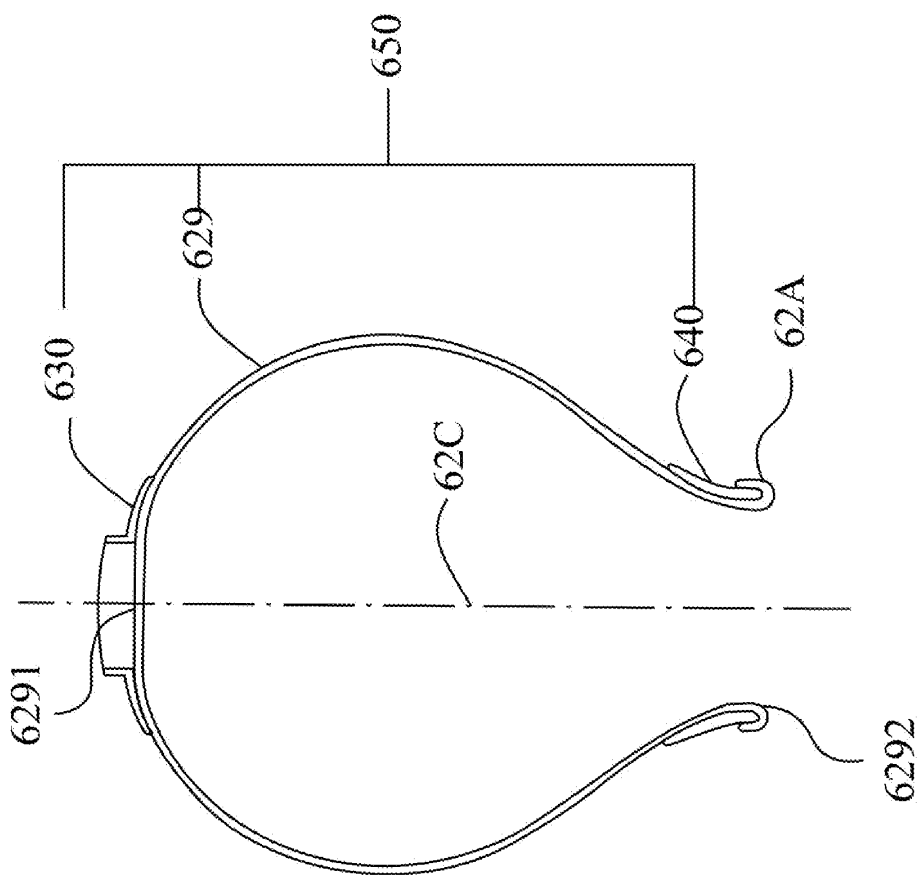


FIG. 19

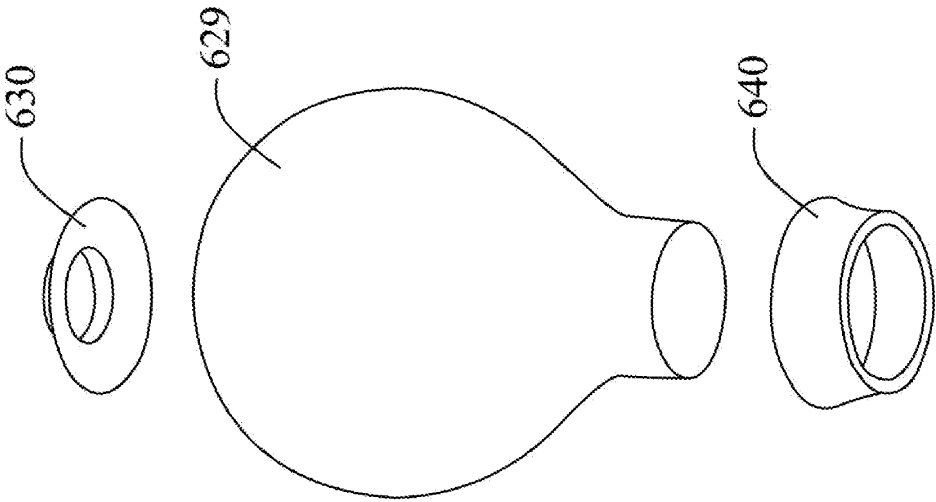


FIG. 20

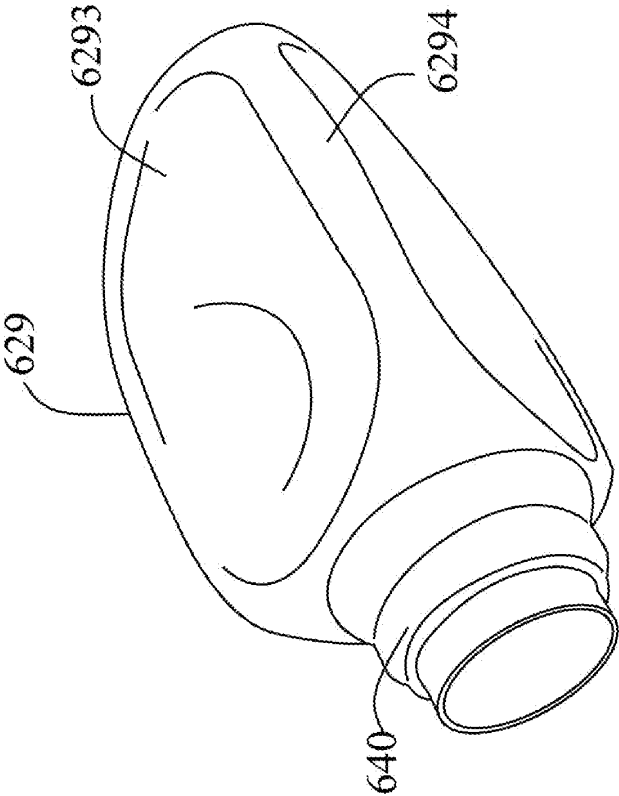


FIG. 21

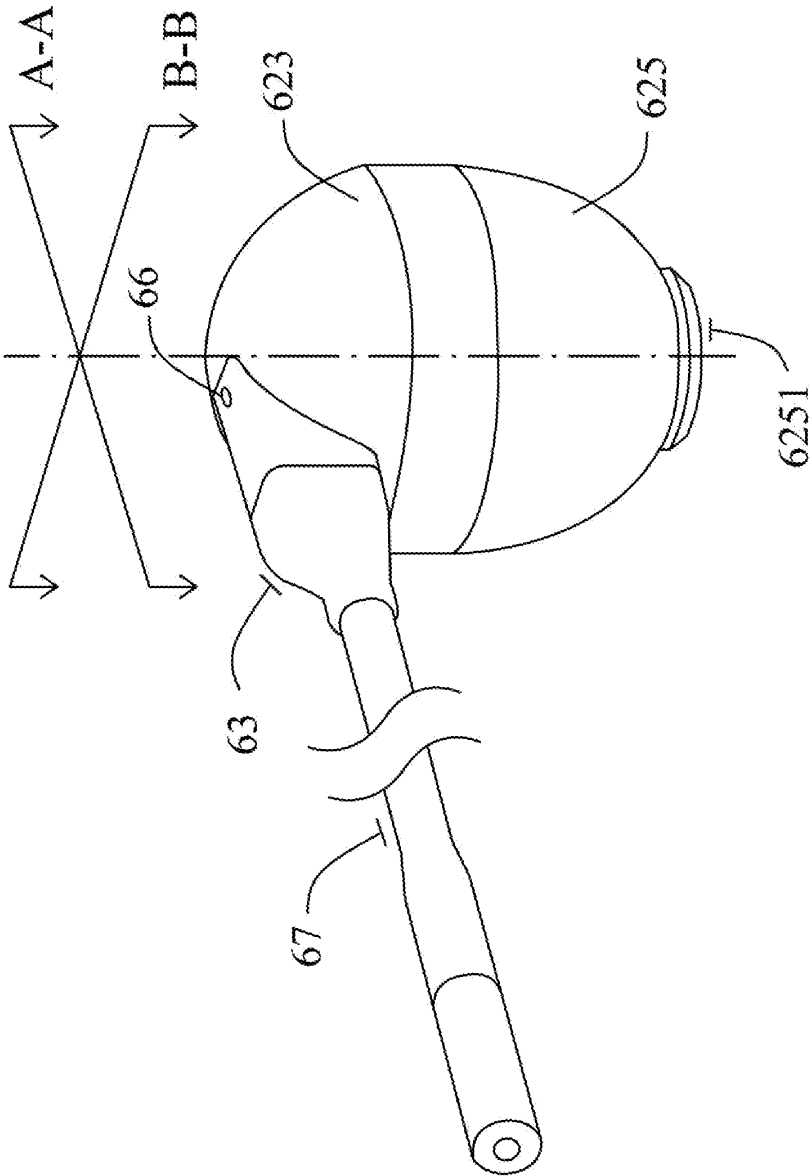
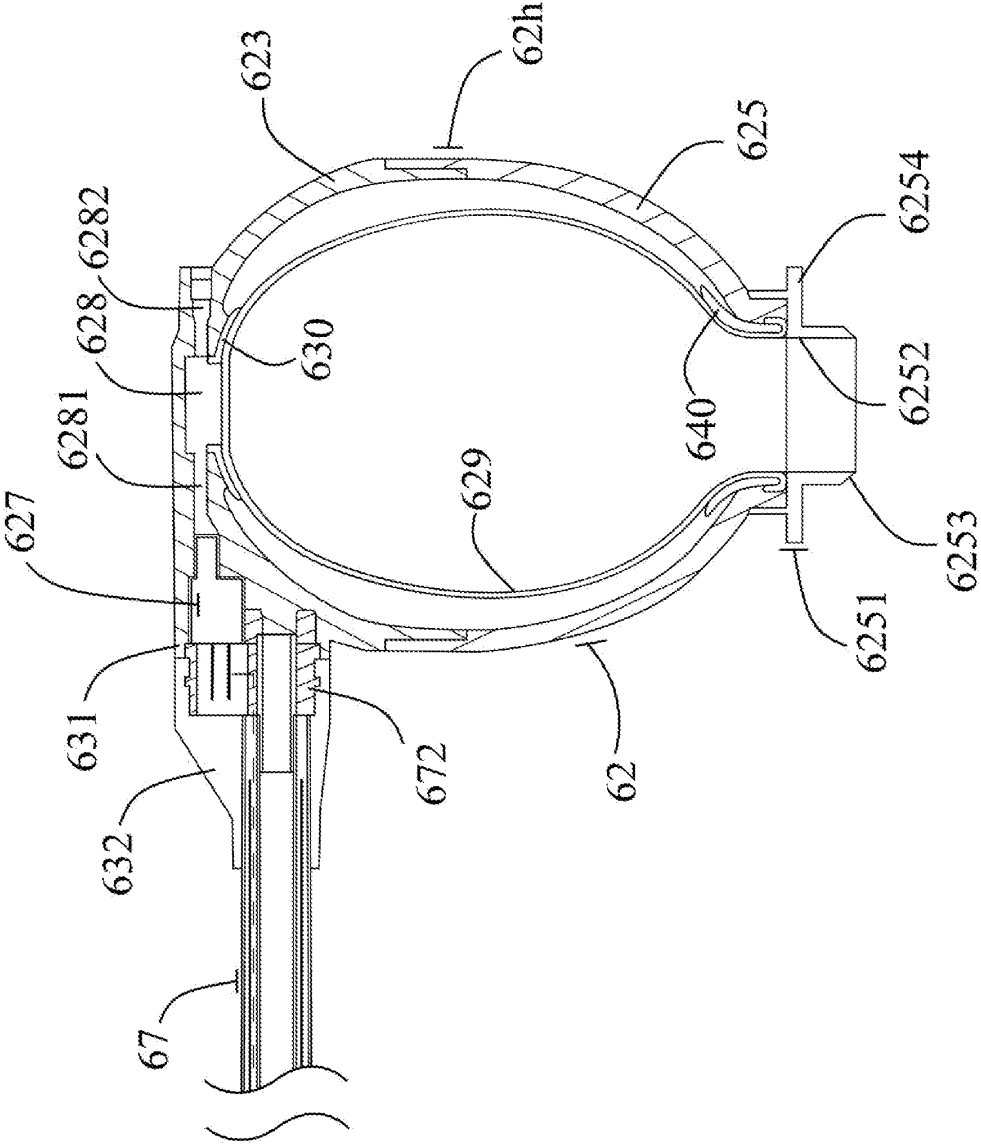


FIG. 22



SECTION A-A

FIG. 23A

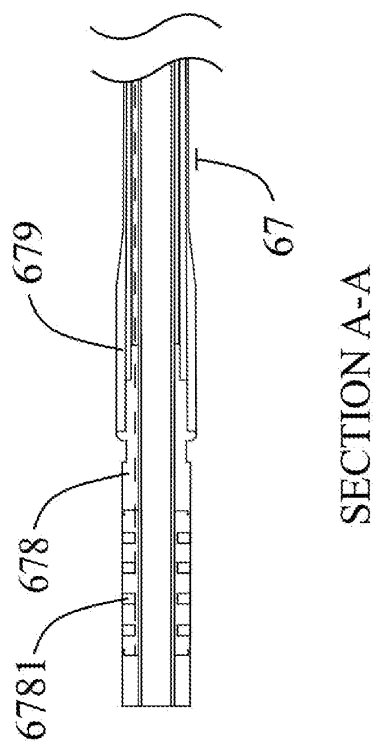
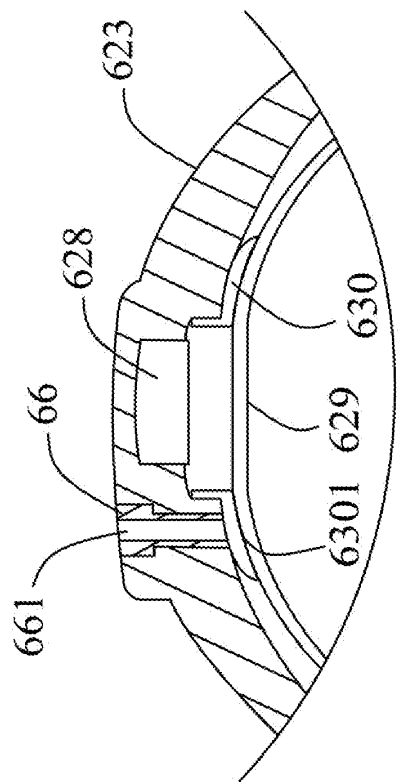


FIG. 23B



SECTION B-B

FIG. 24

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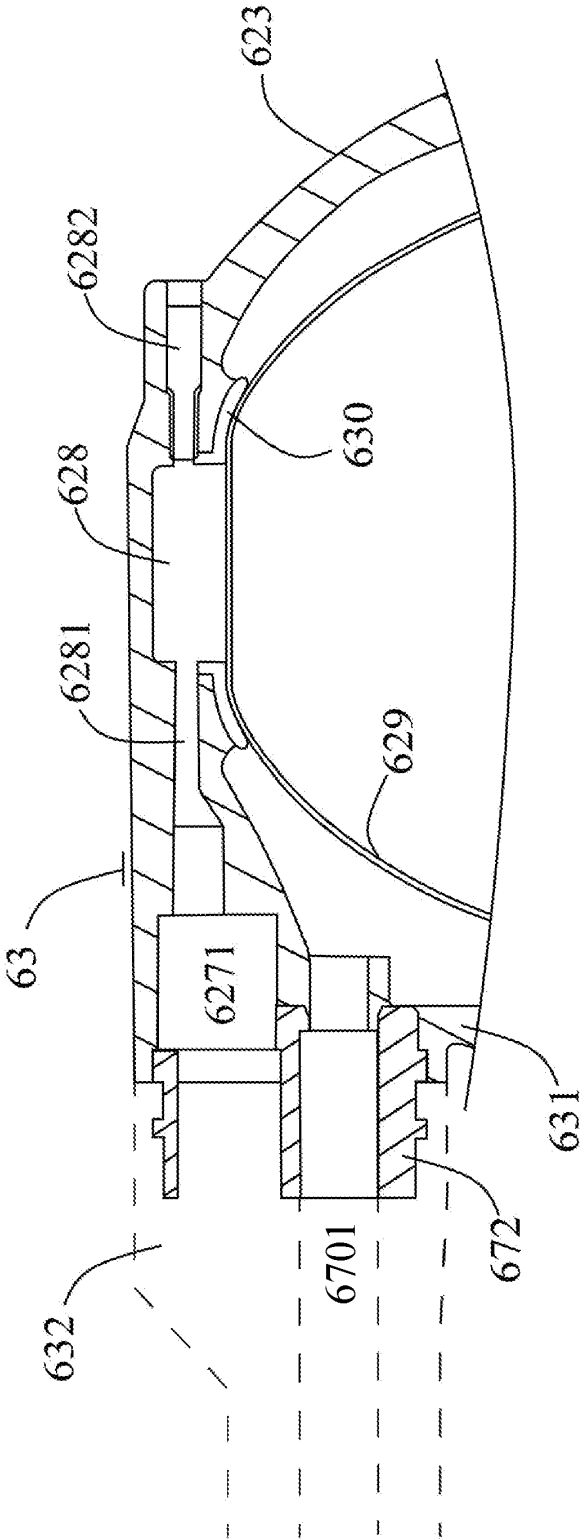


FIG. 25A

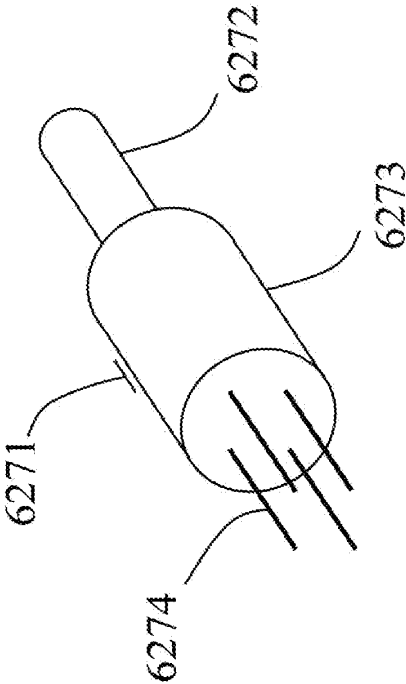
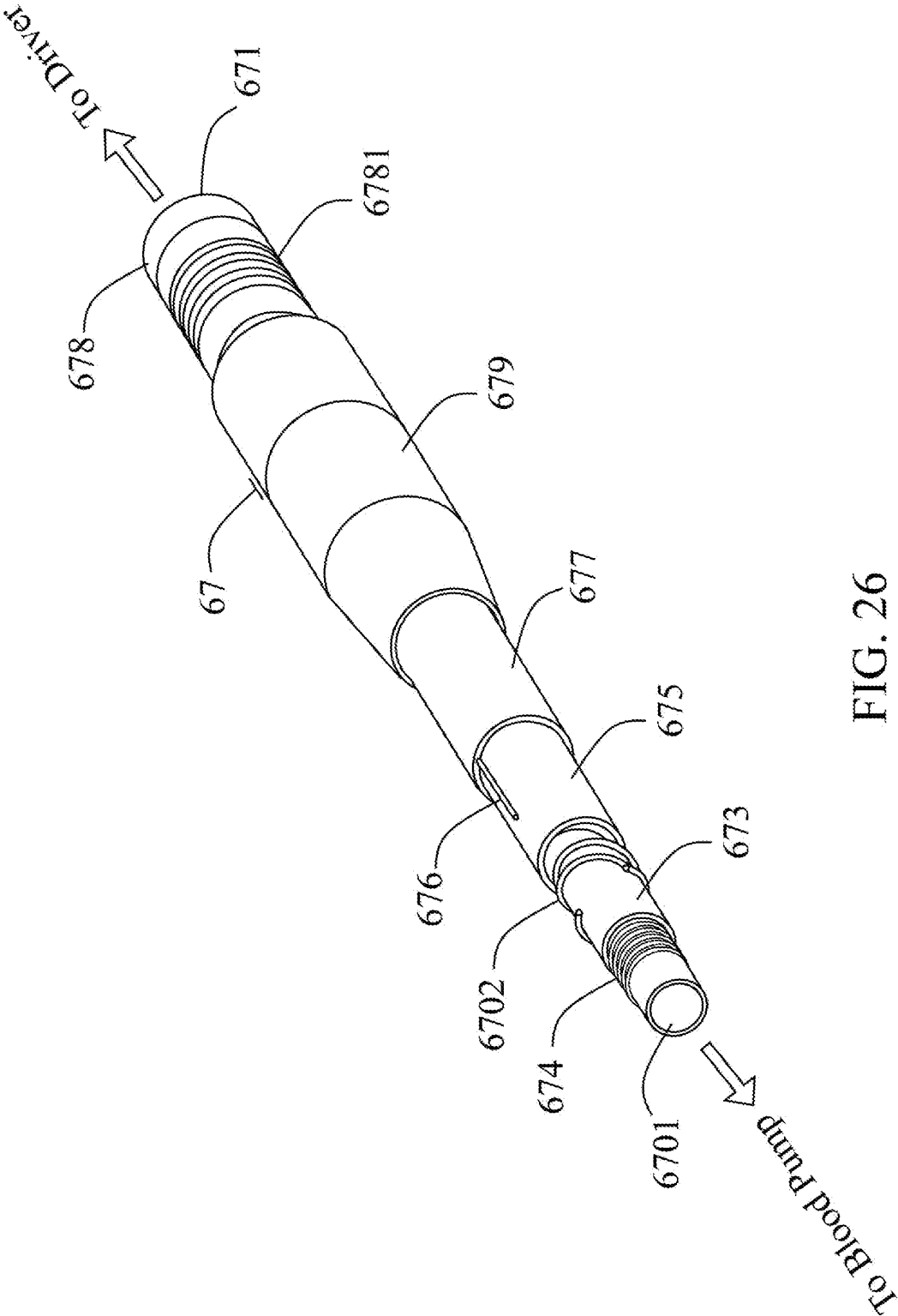


FIG. 25B



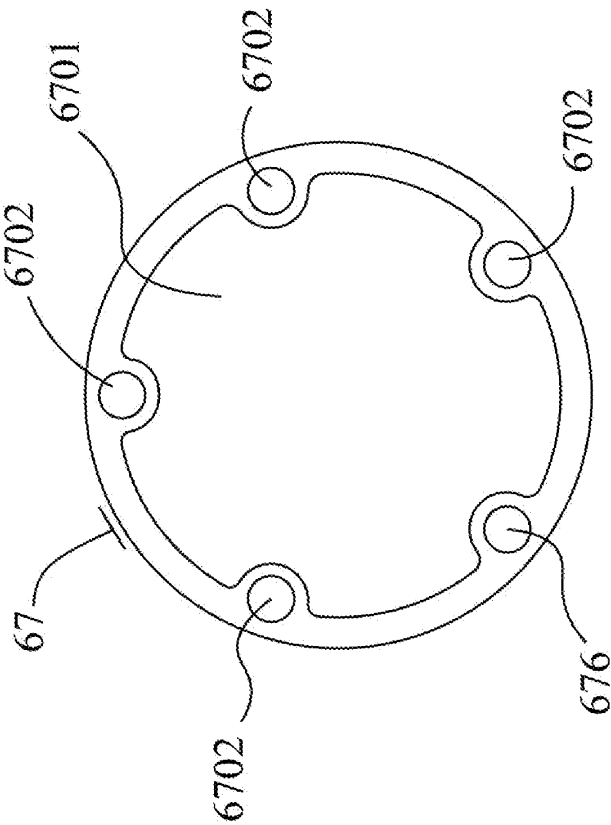


FIG. 27

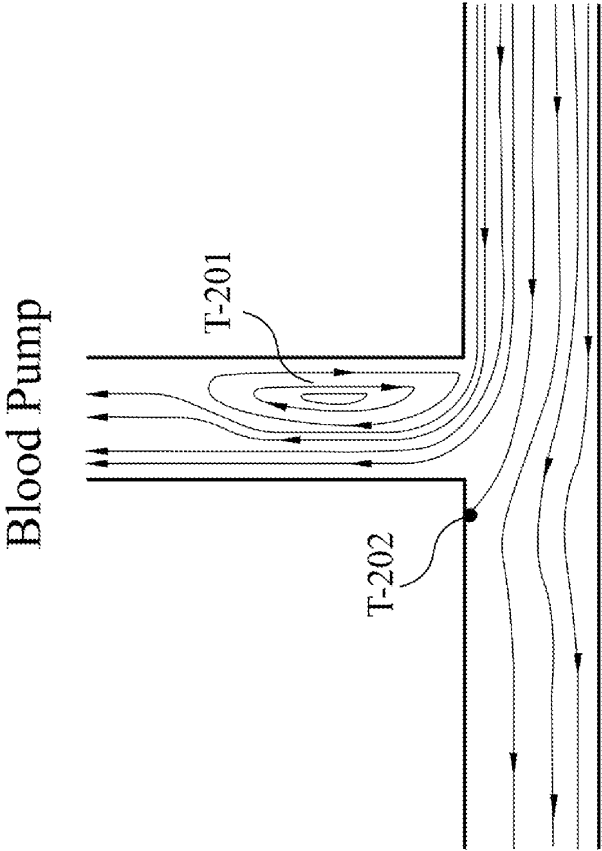


FIG. 28A

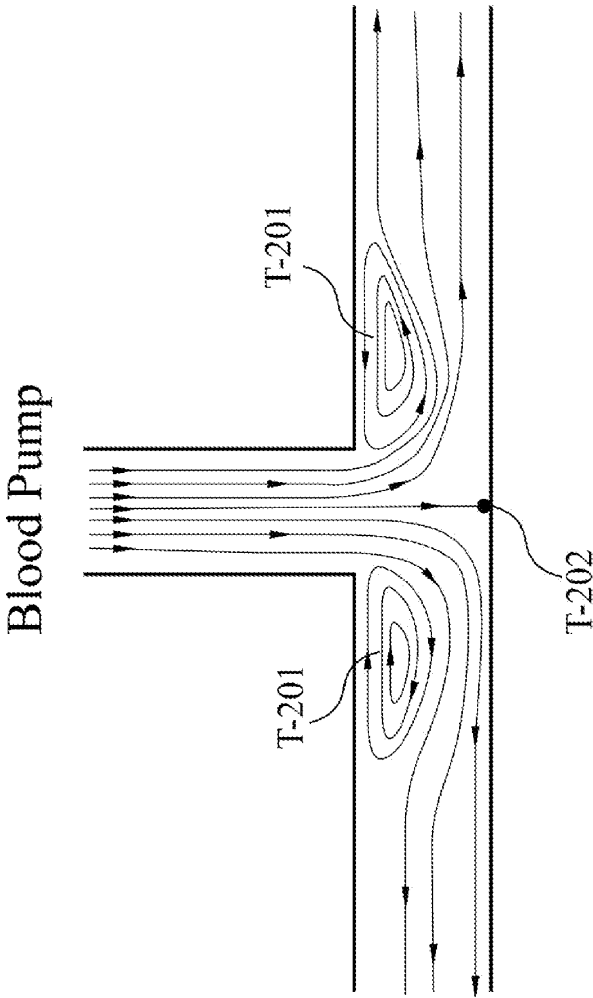


FIG. 28B

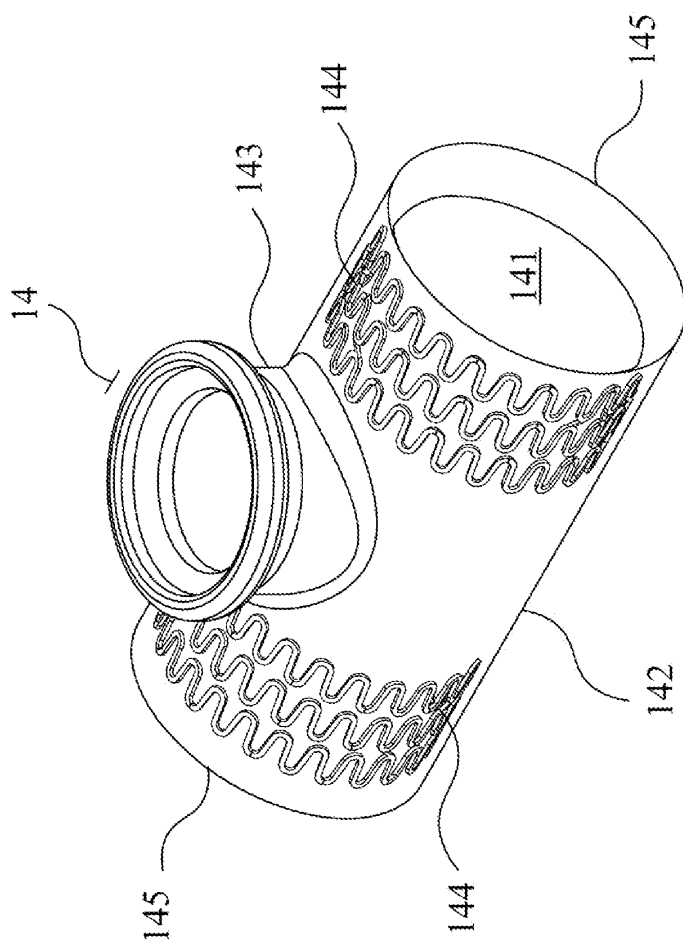


FIG. 29

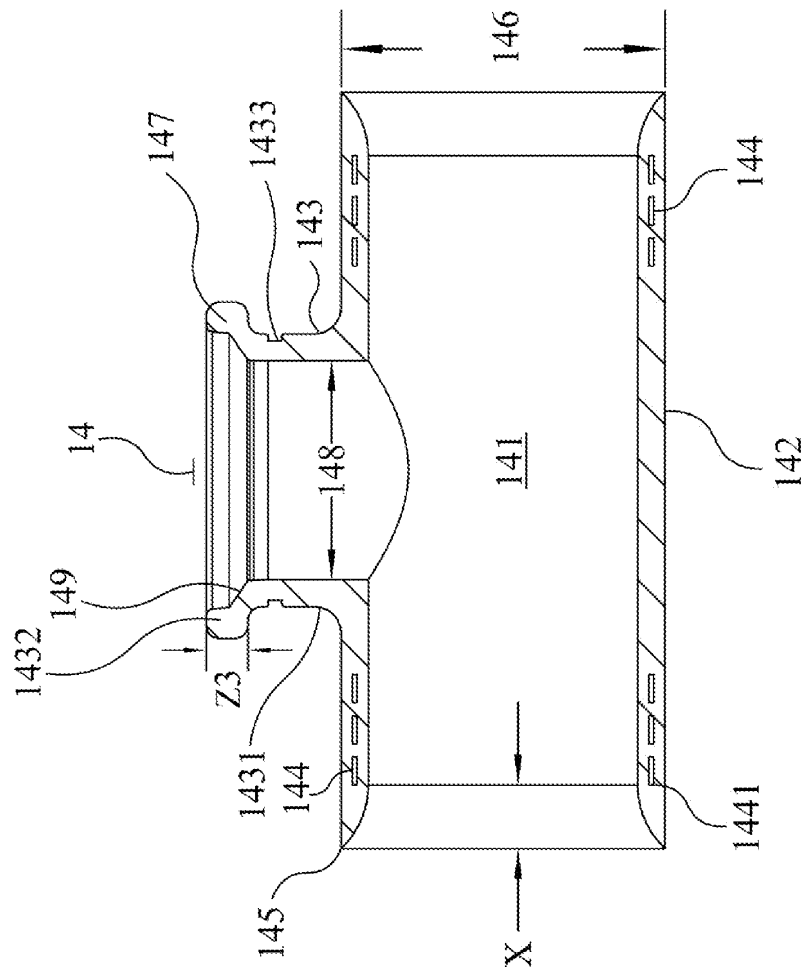


FIG. 30

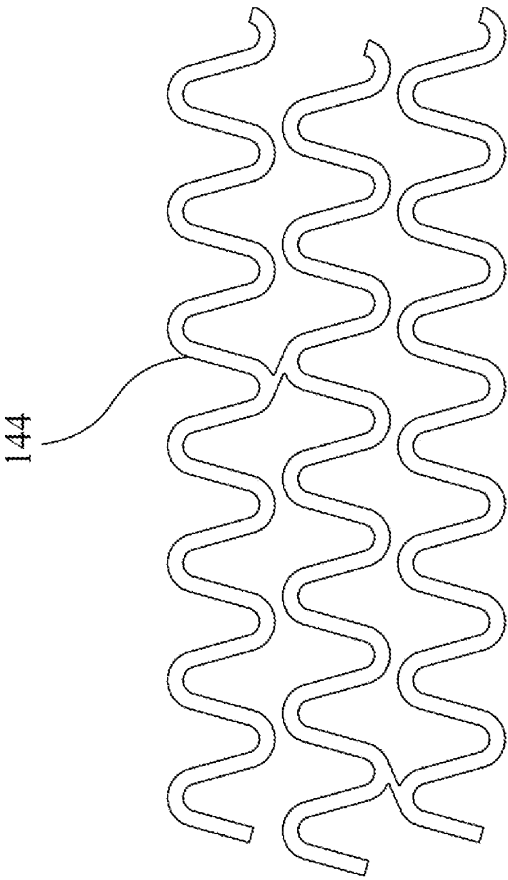


FIG. 31

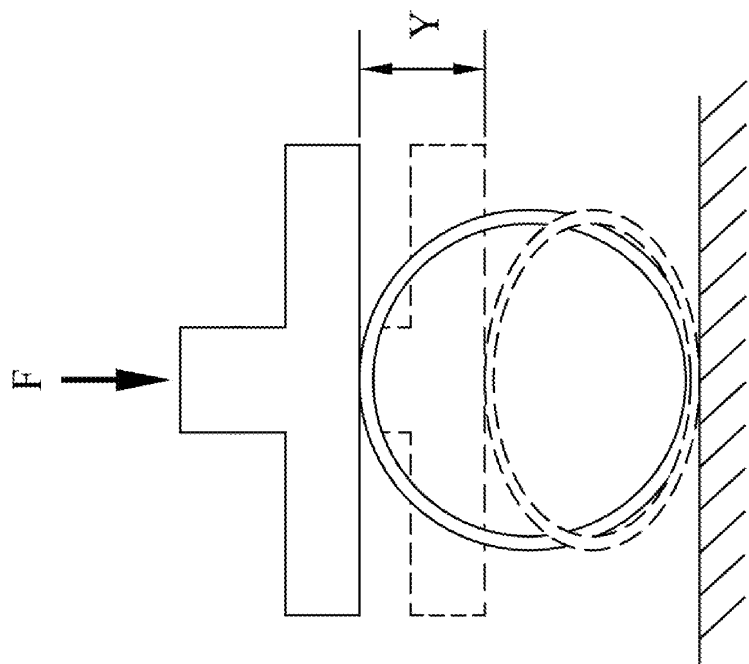


FIG. 32

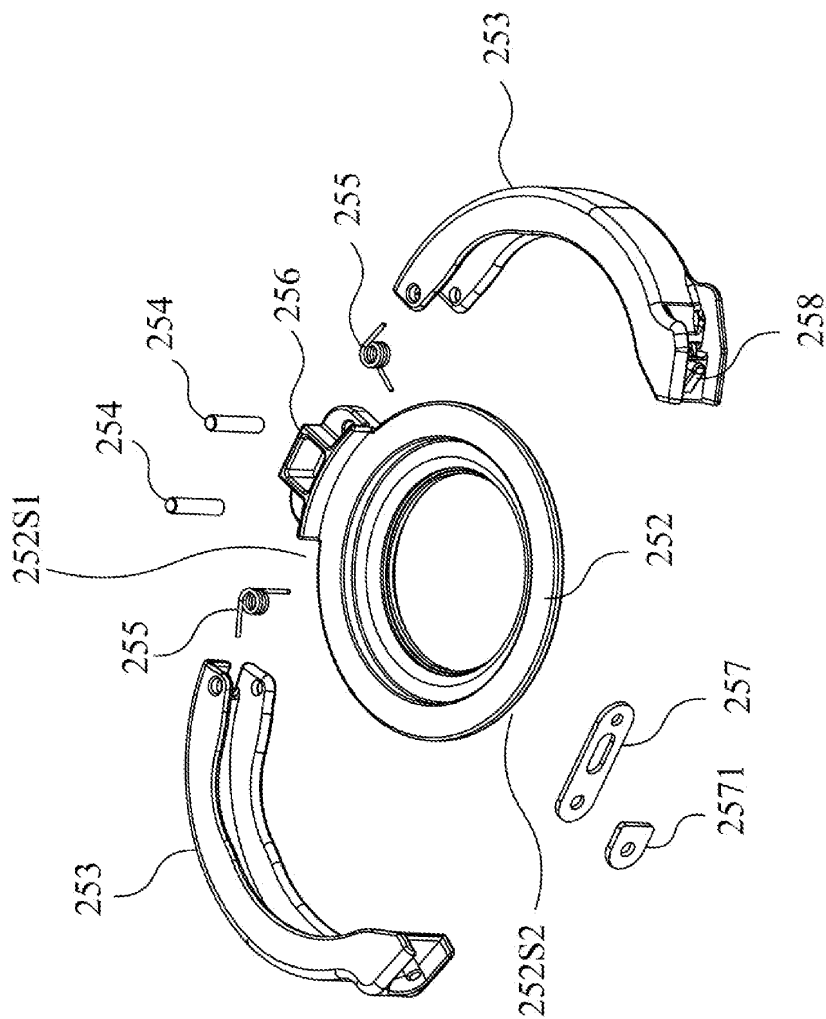


FIG. 33

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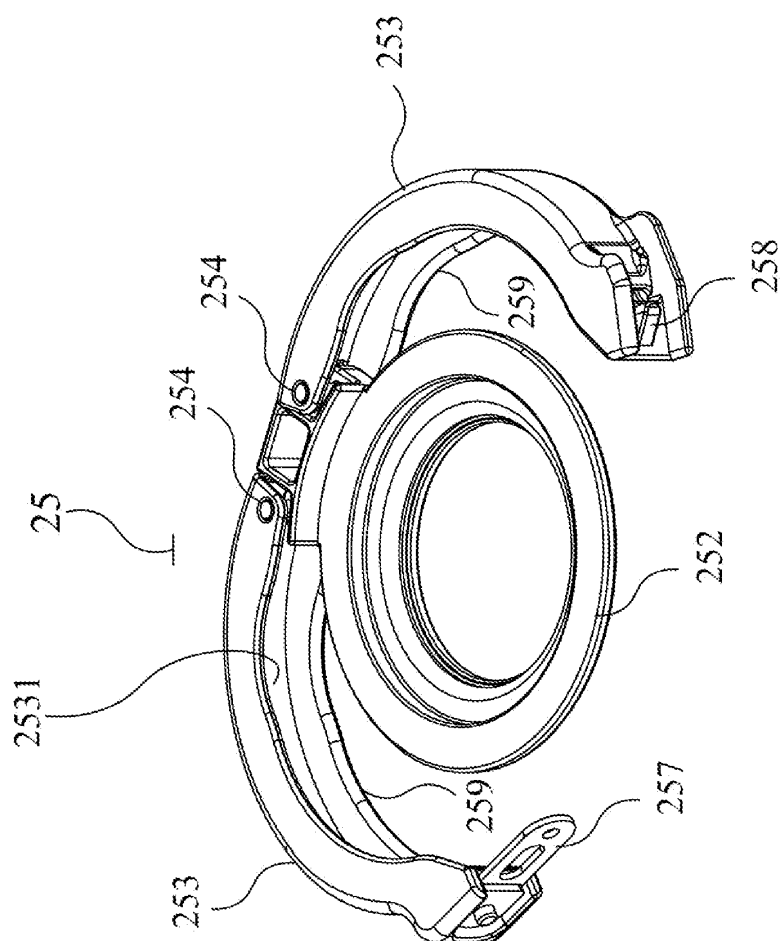


FIG. 34A

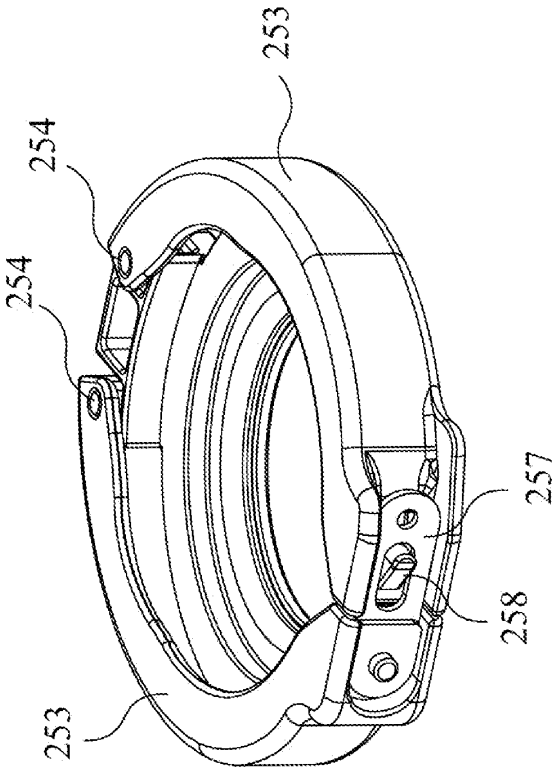


FIG. 34B

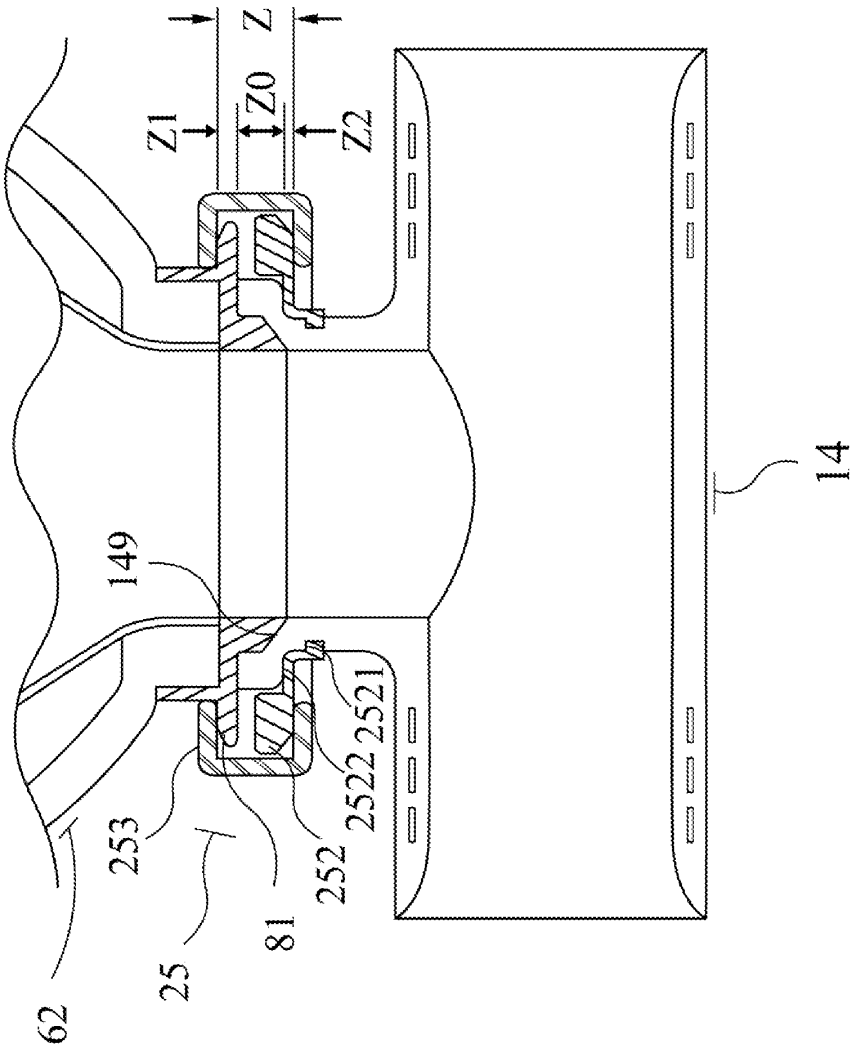


FIG. 35

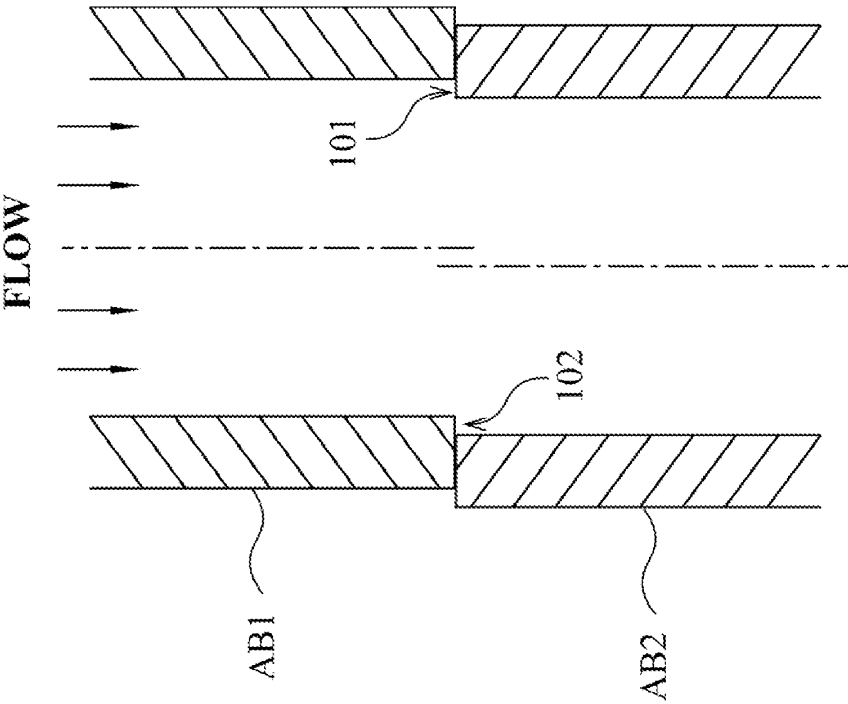


FIG. 36A

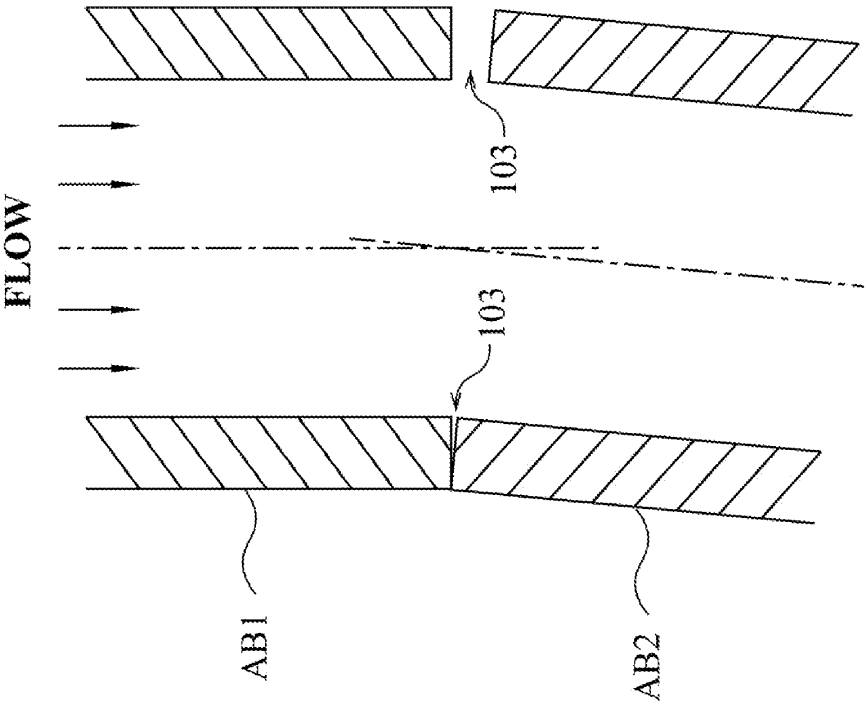


FIG. 36B

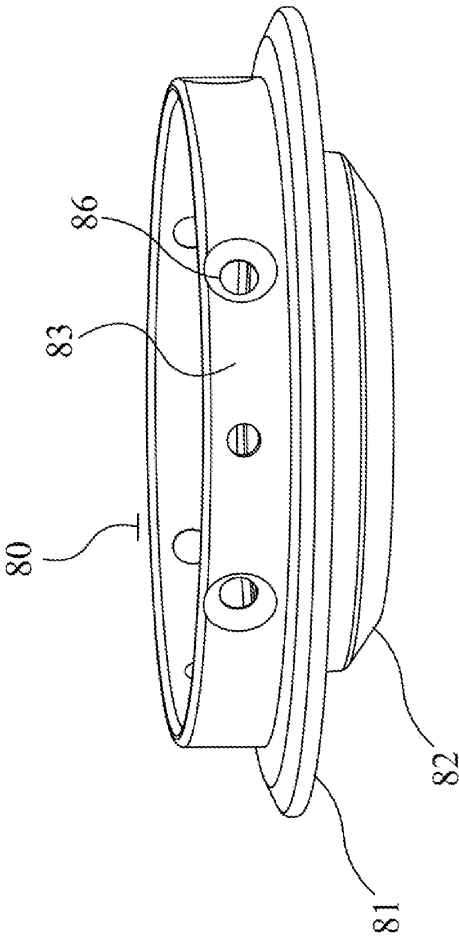


FIG. 37

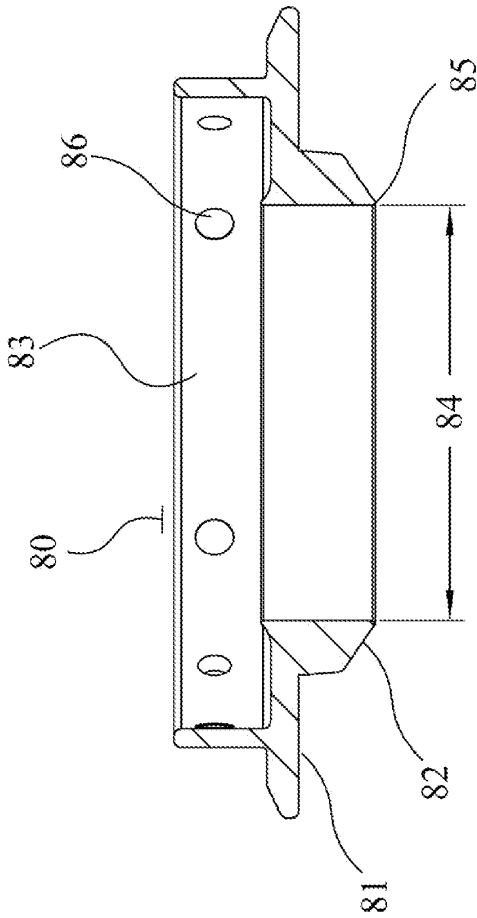


FIG. 38

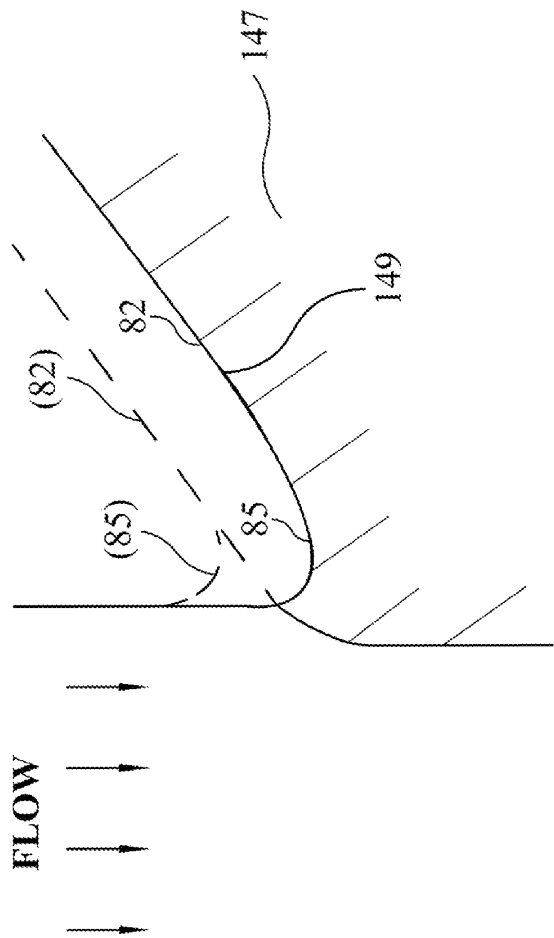


FIG. 39

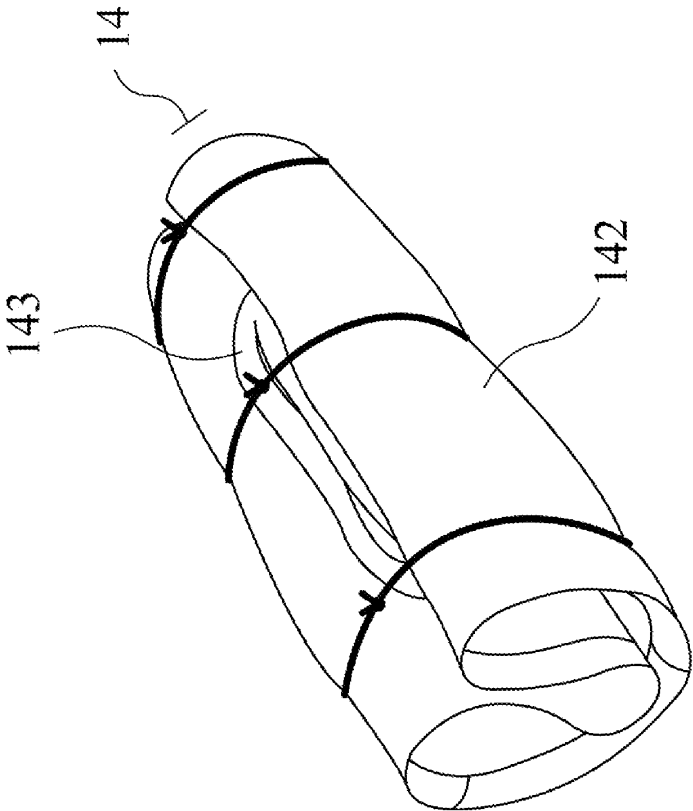


FIG. 40

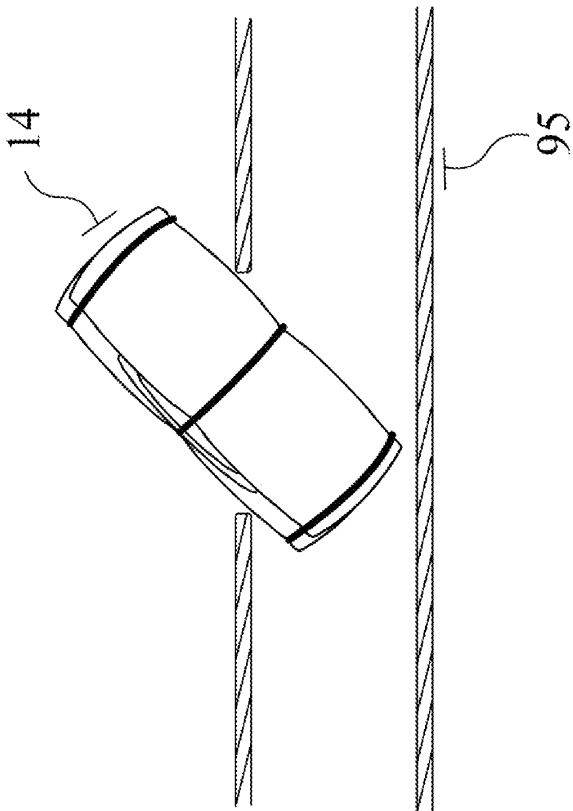


FIG. 41A

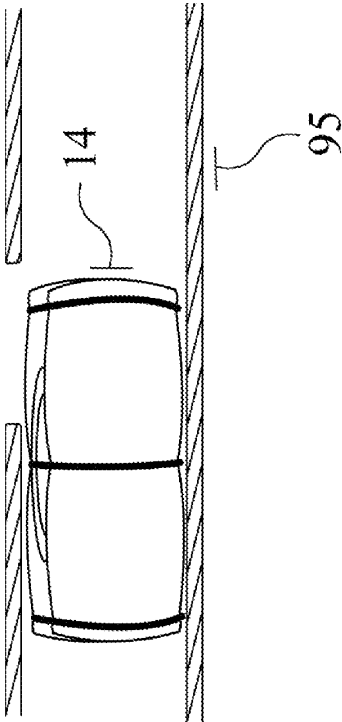


FIG. 41B

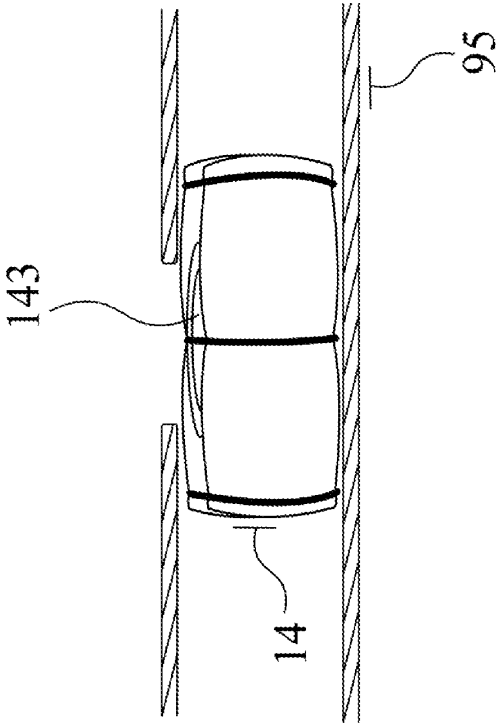


FIG. 41C

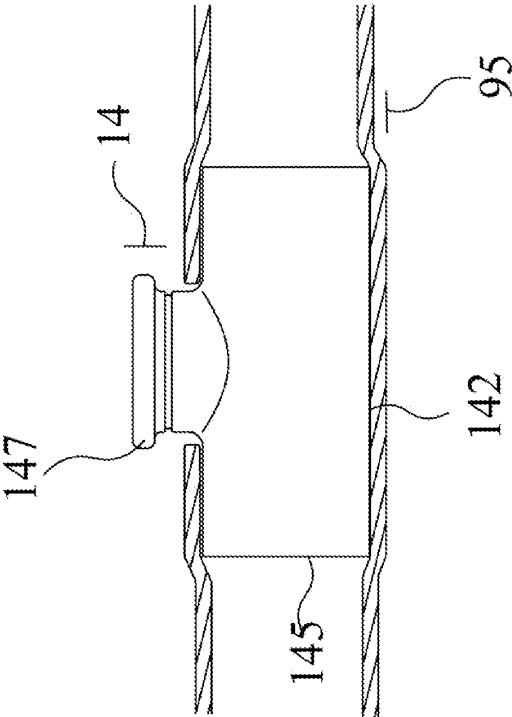


FIG. 41D

1. Crimp and fold aortic adapter into a smaller prepack form
2. Decide an insertion center and mark the periphery of the access hole to be punched on the aorta
3. Place purse string around the marked hole periphery
4. Loop the insertion site aorta with surgical tapes
5. Cross clamp aorta for a segment around 10 cm
6. Punch an access hole in the aortic wall
Note not to cut down the purse string
7. Insert the crimped aortic adapter prepack across the access hole and place the adapter neck portion aligned with the access hole
8. Release the adapter prepack and let it self-expand to its original delivered form
9. Tighten the purse string and surgical tapes
10. Mount coupler onto the neck of the aortic adapter
11. Connect blood pump with aortic adapter by locking the coupler
12. Release cross clamps, deairing blood pump and start pump support

FIG. 42