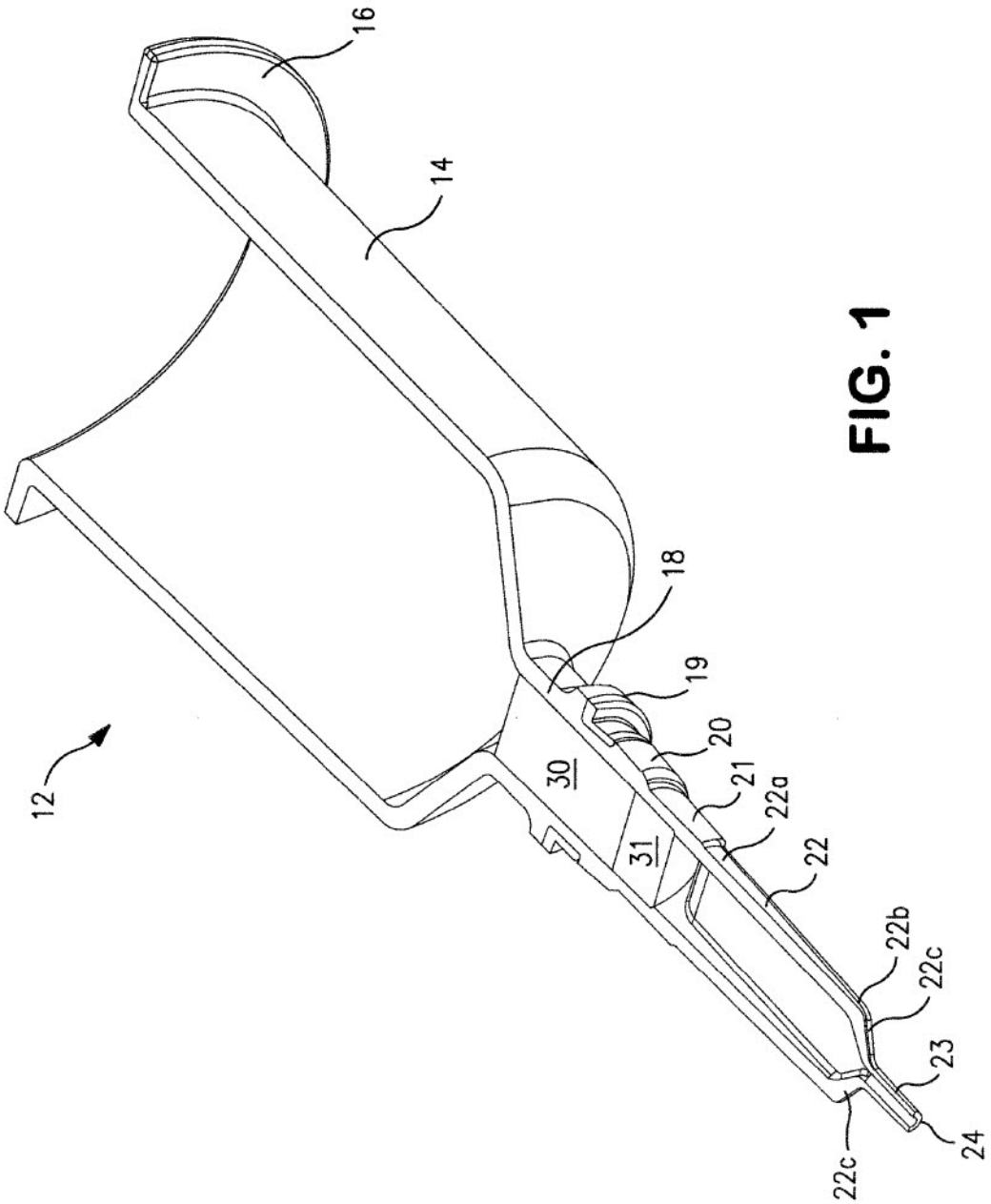


FIG. 1

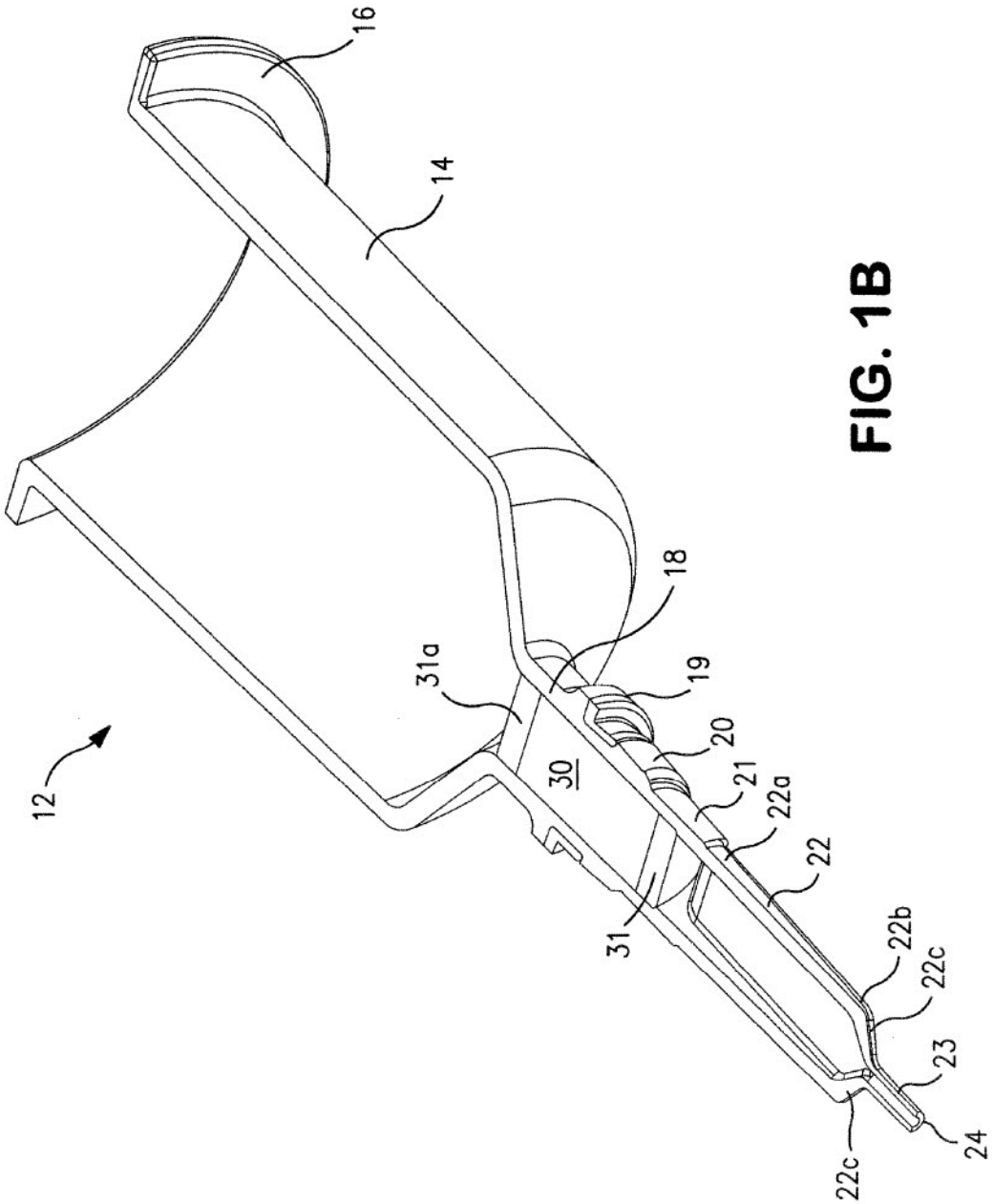


FIG. 1B

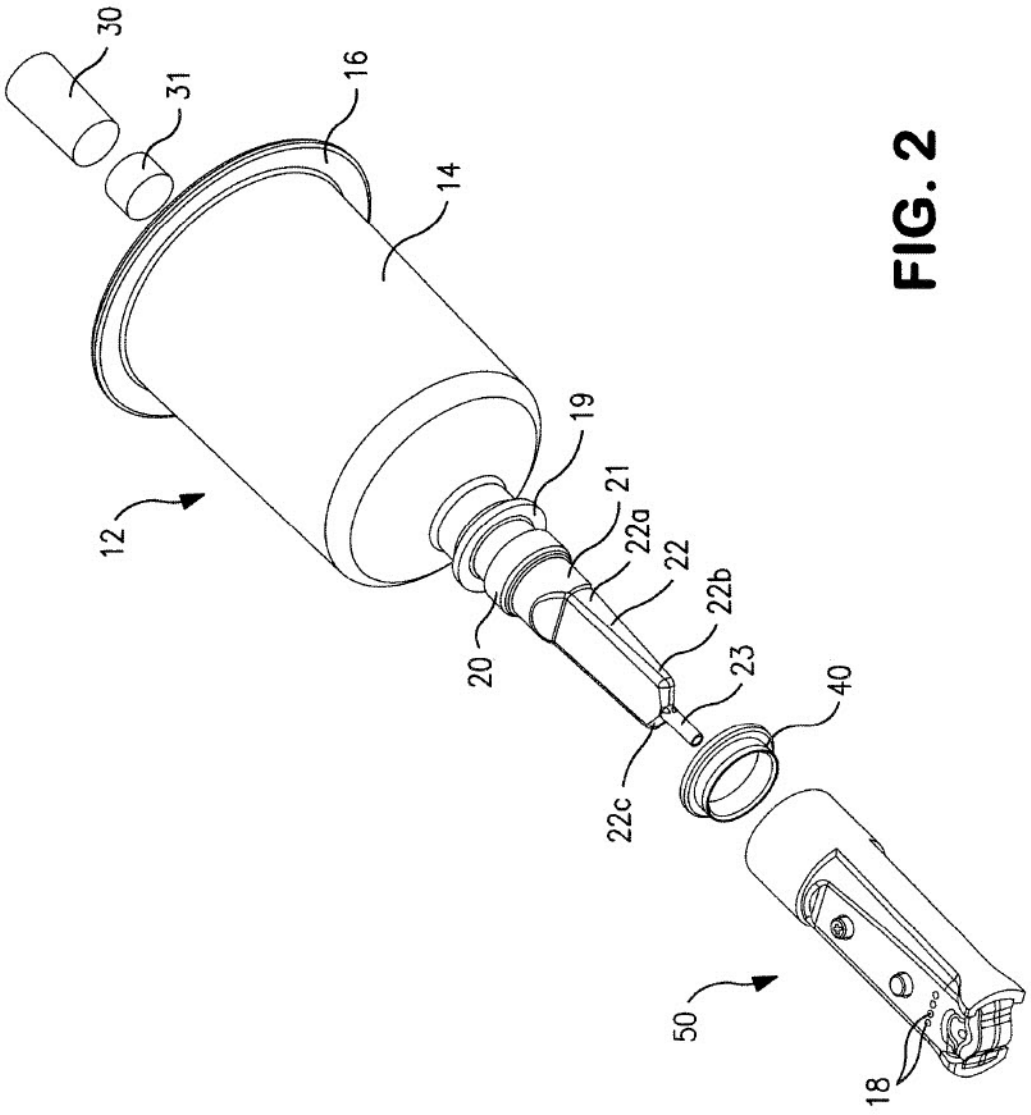


FIG. 2

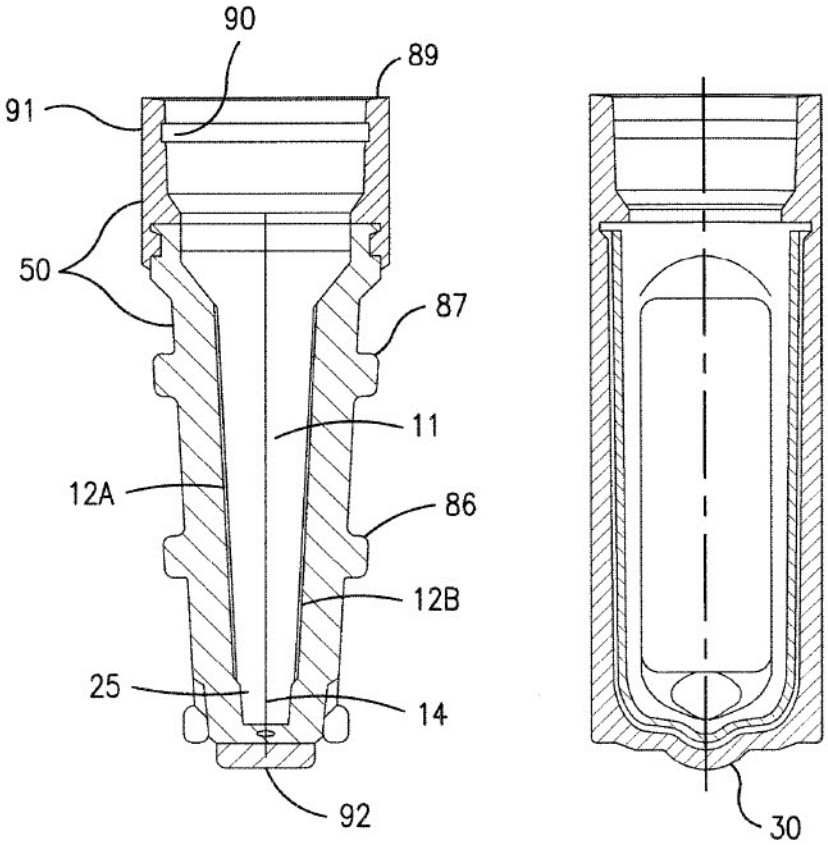


FIG. 3

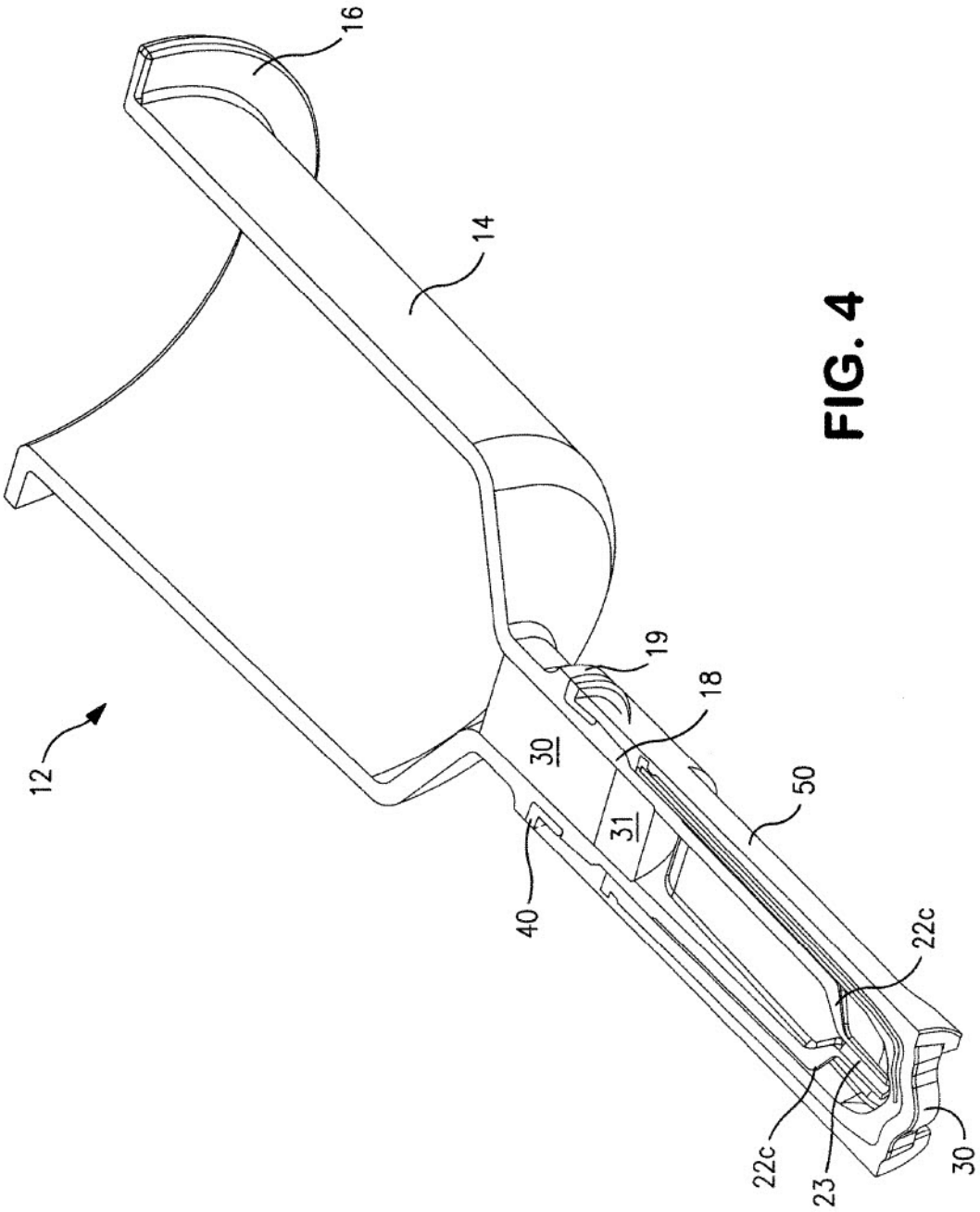


FIG. 4

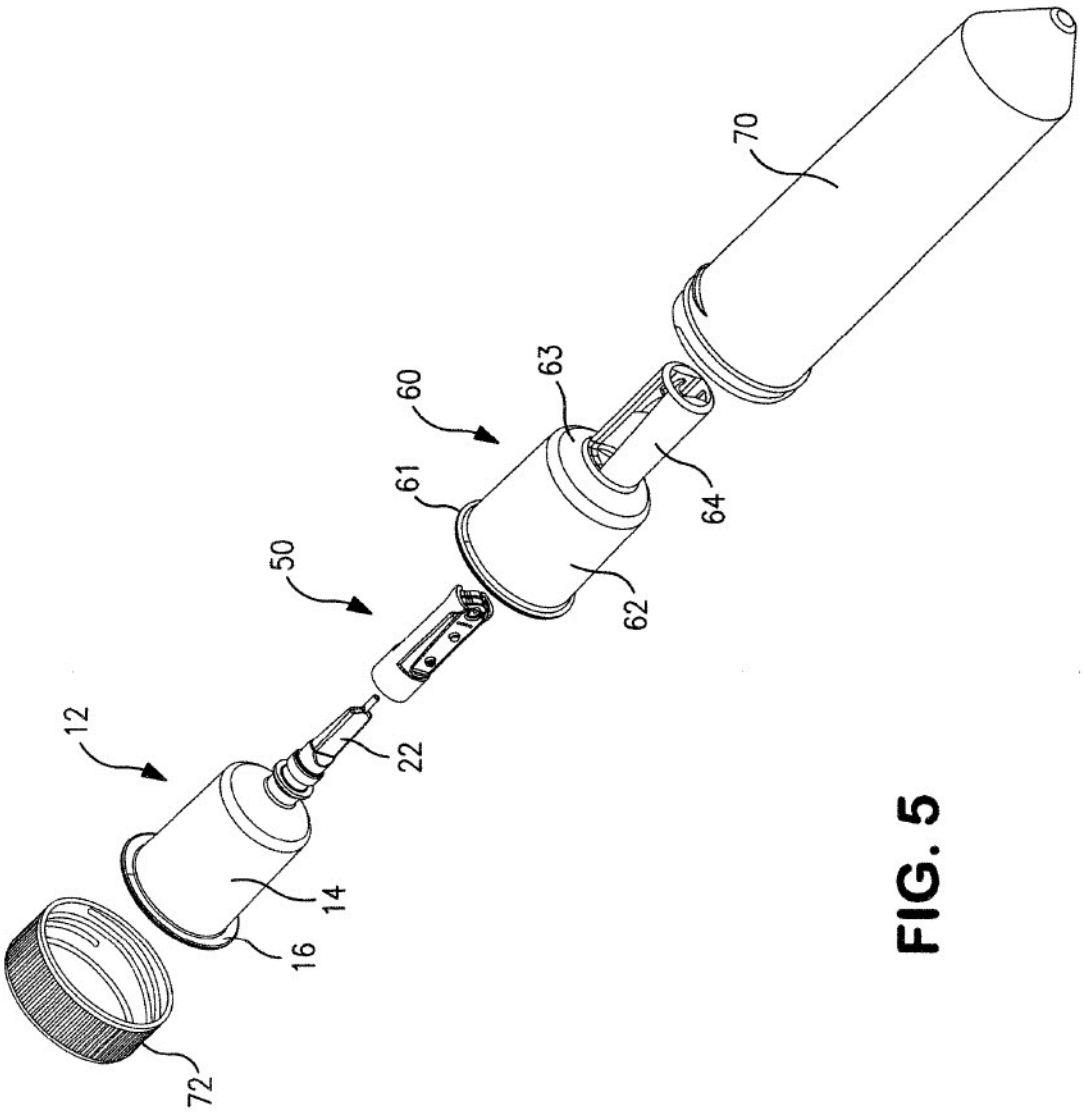


FIG. 5

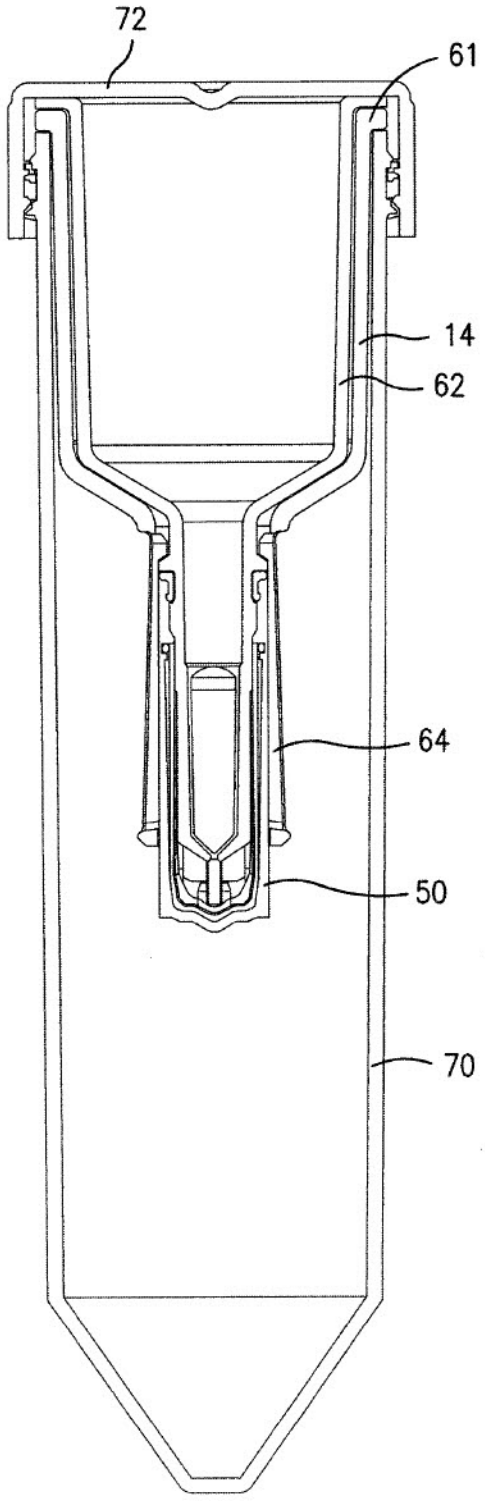


FIG. 6

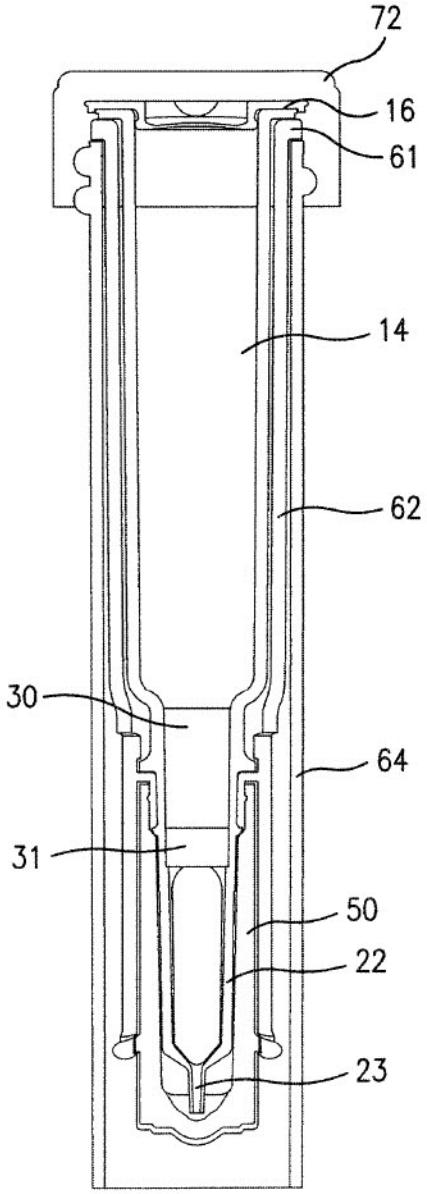


FIG. 7

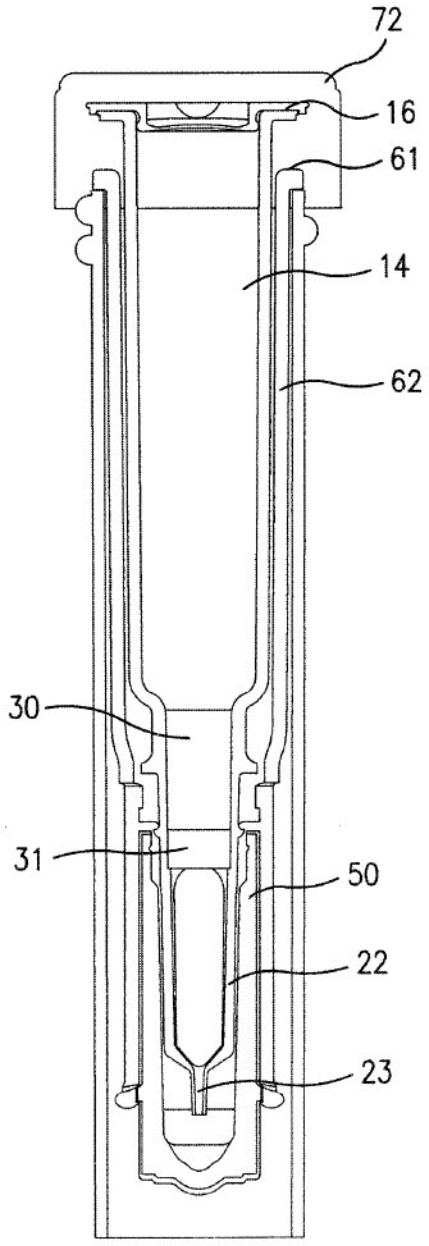


FIG. 8

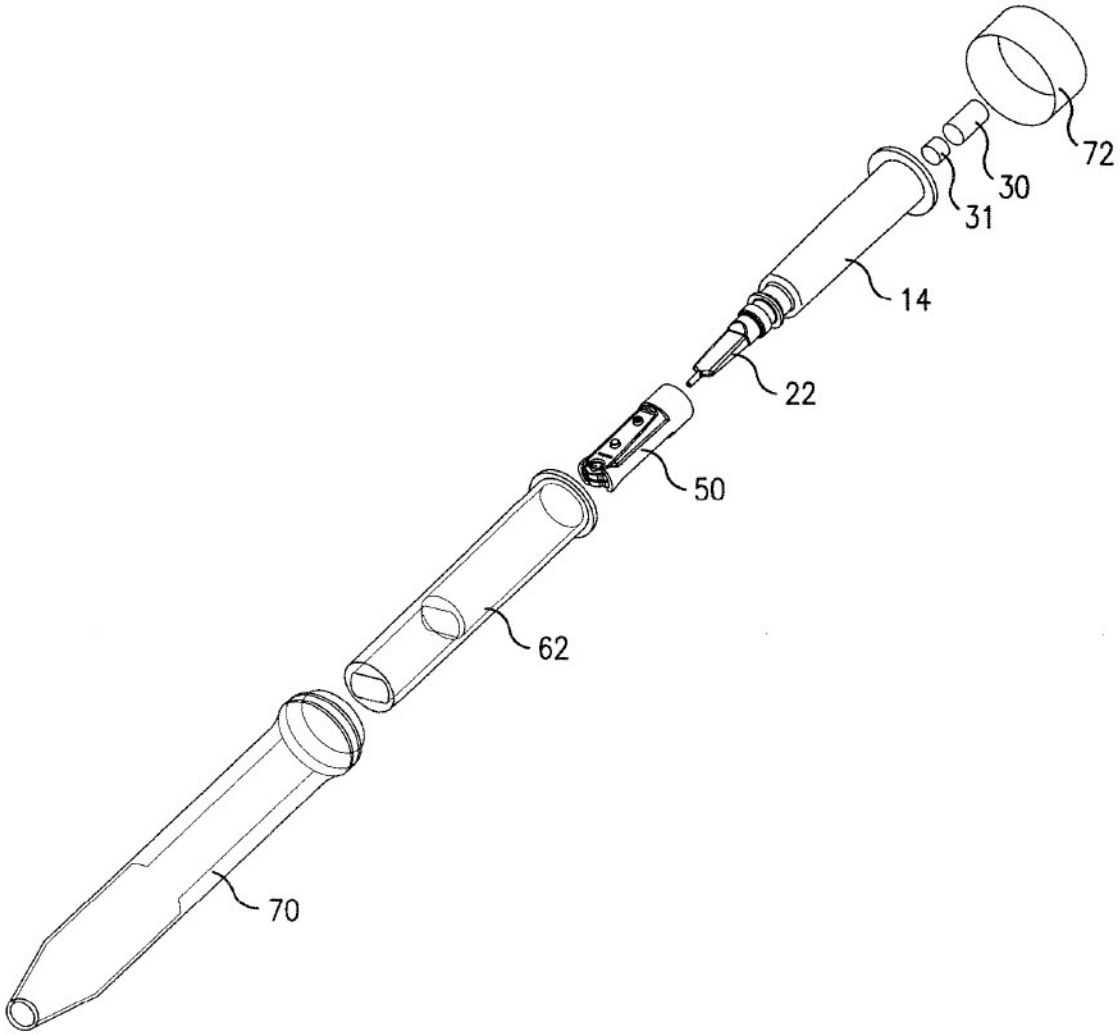


FIG. 9

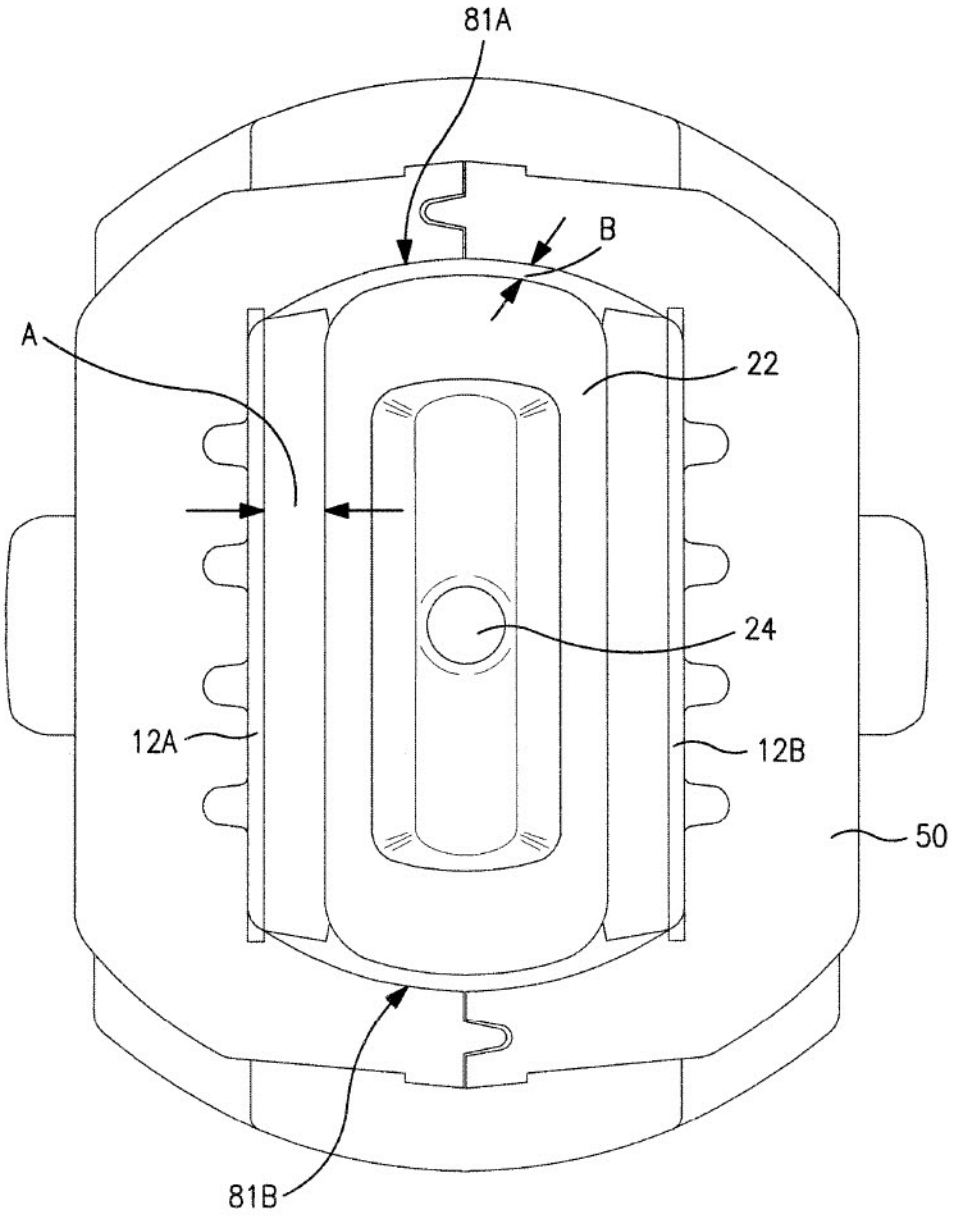


FIG. 10

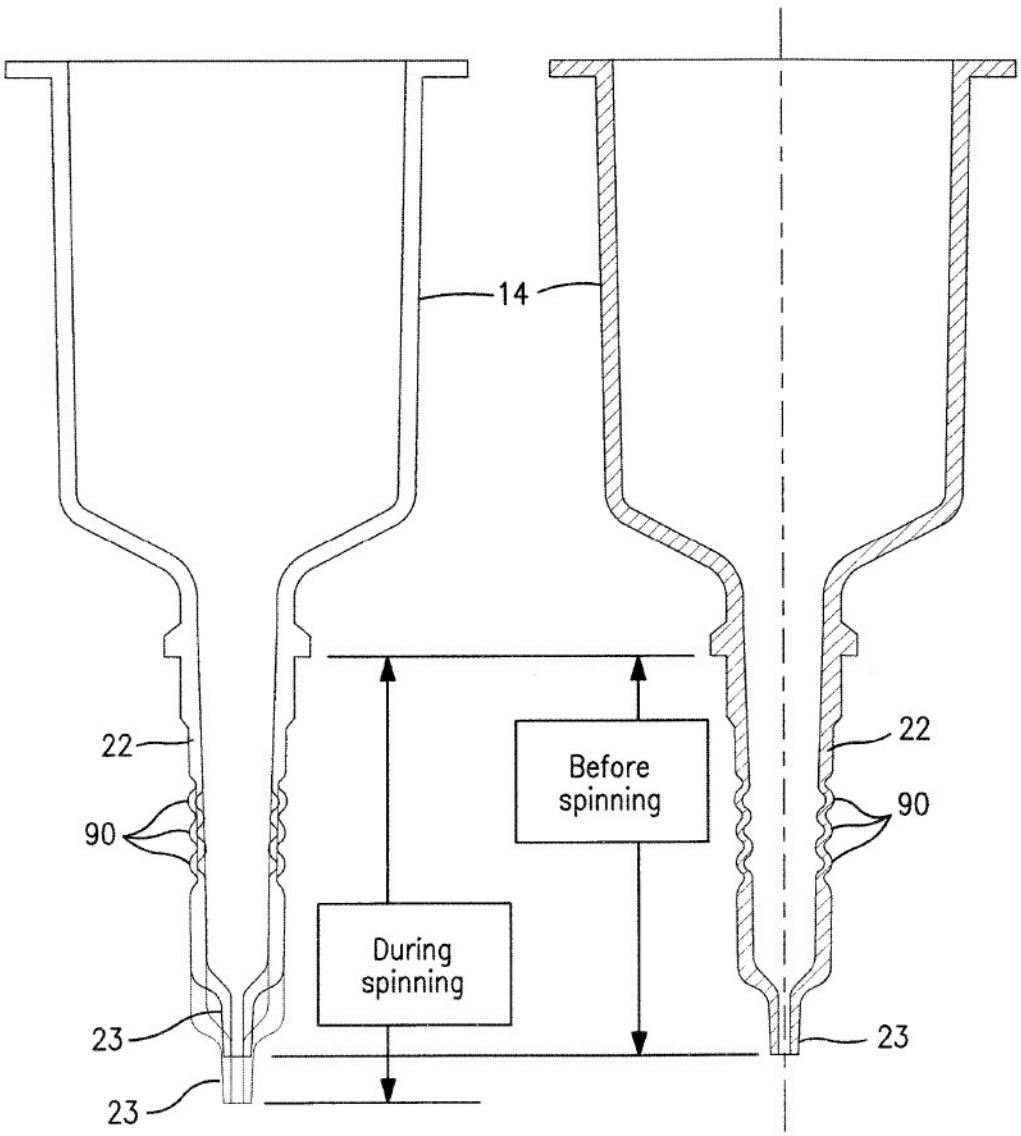


FIG. 11

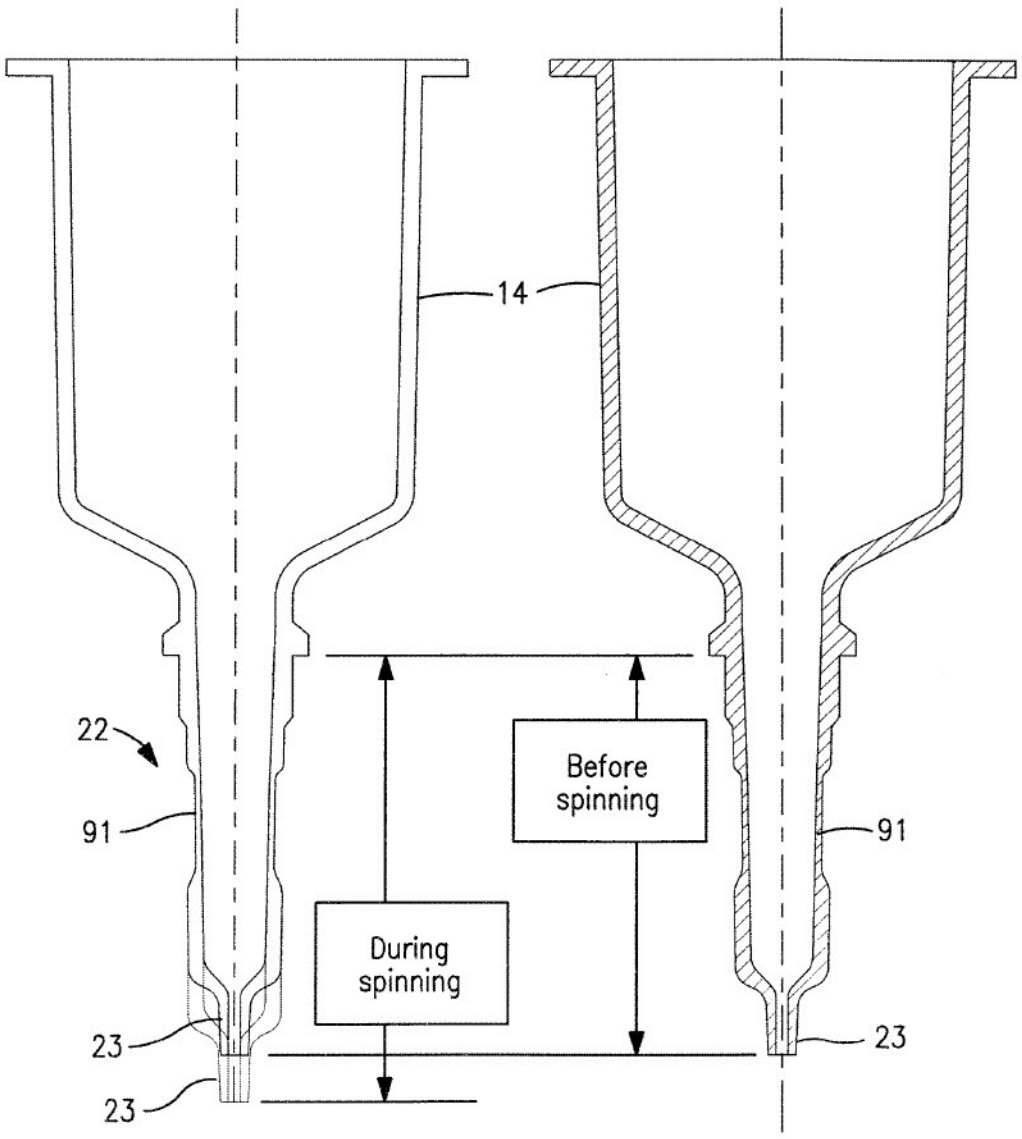


FIG. 12

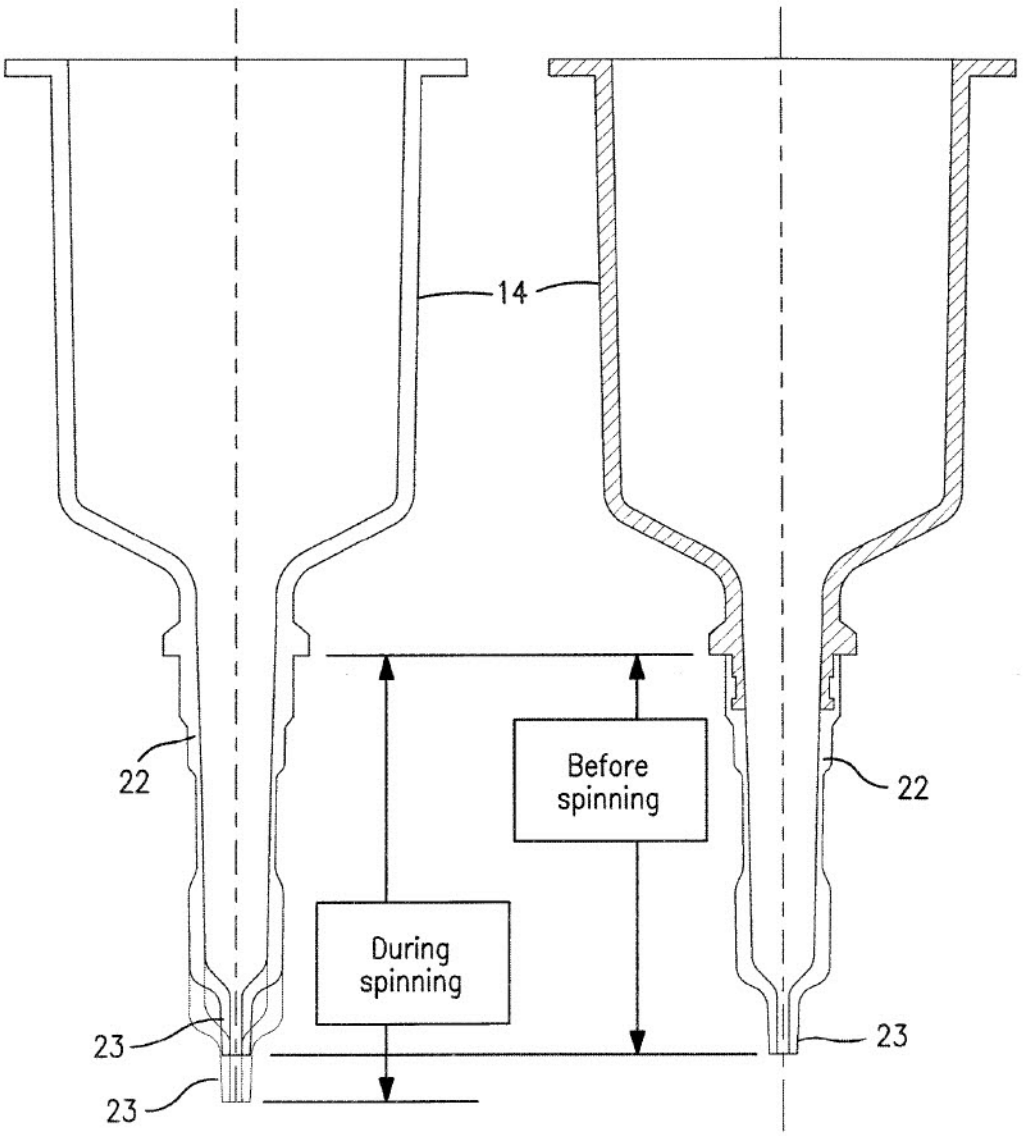


FIG. 13

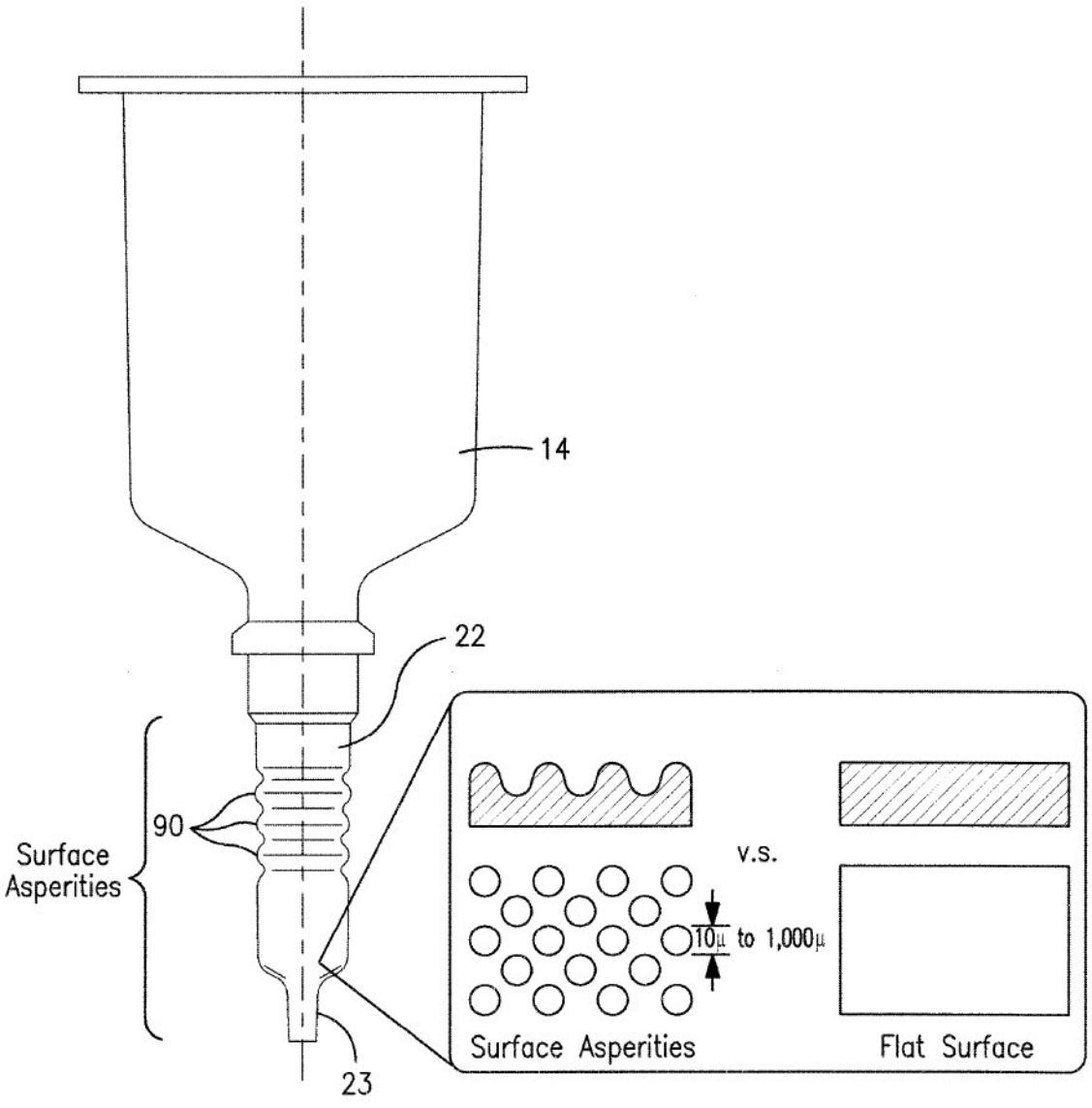

14
22
90
Surface
Asperities
23
v.s.
10μ to 1,000μ
Surface Asperities
Flat Surface

FIG. 14

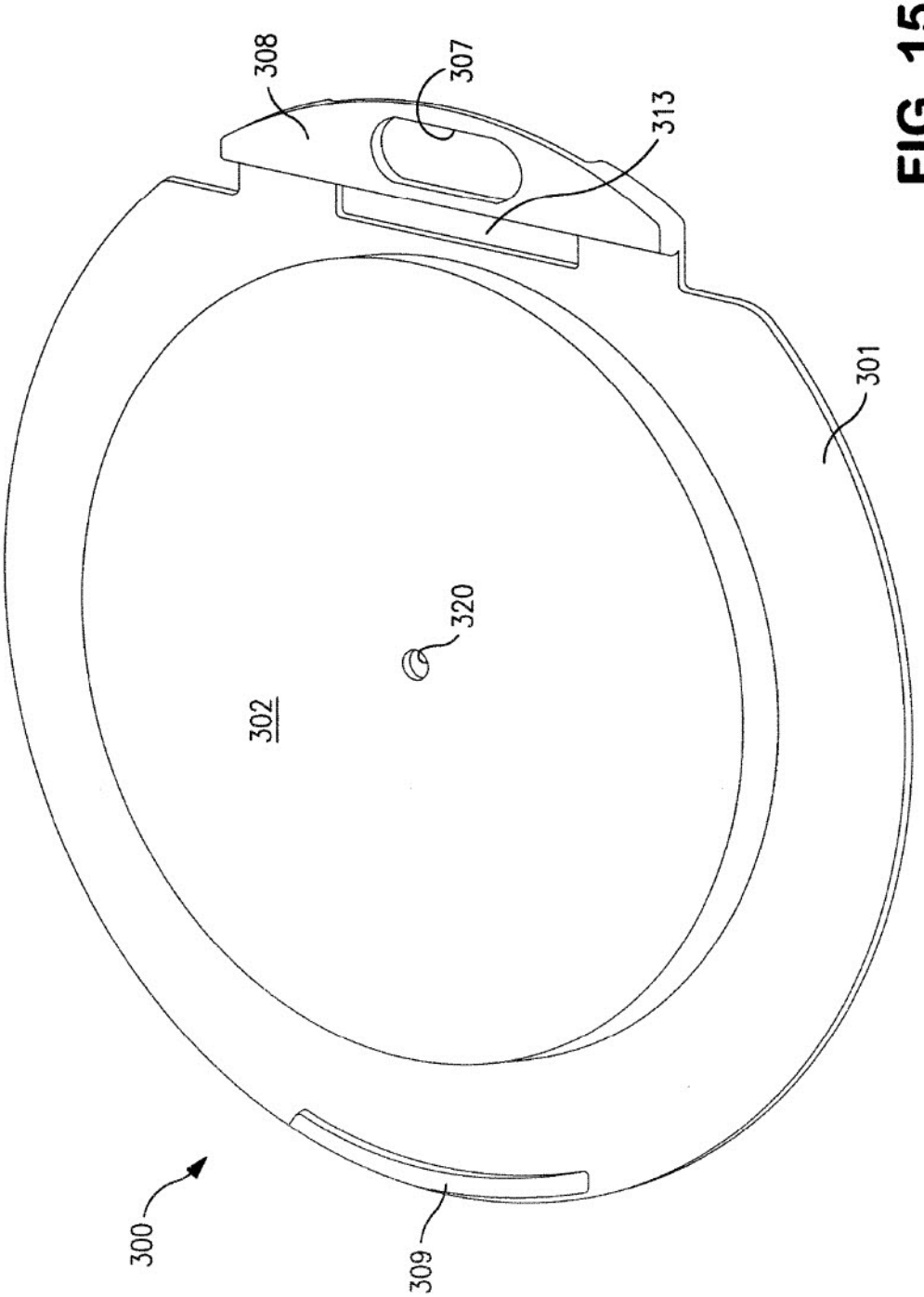


FIG. 15

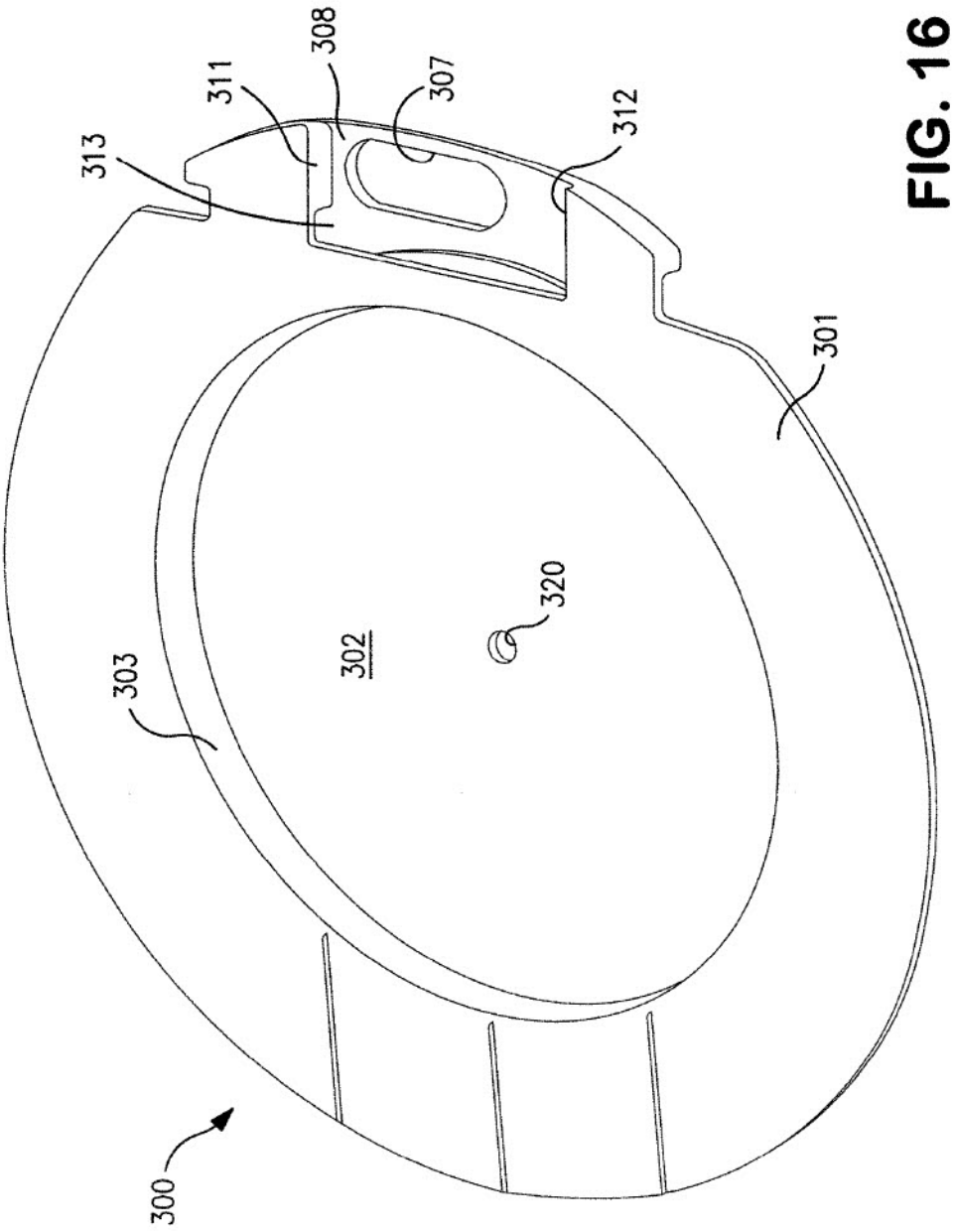


FIG. 16

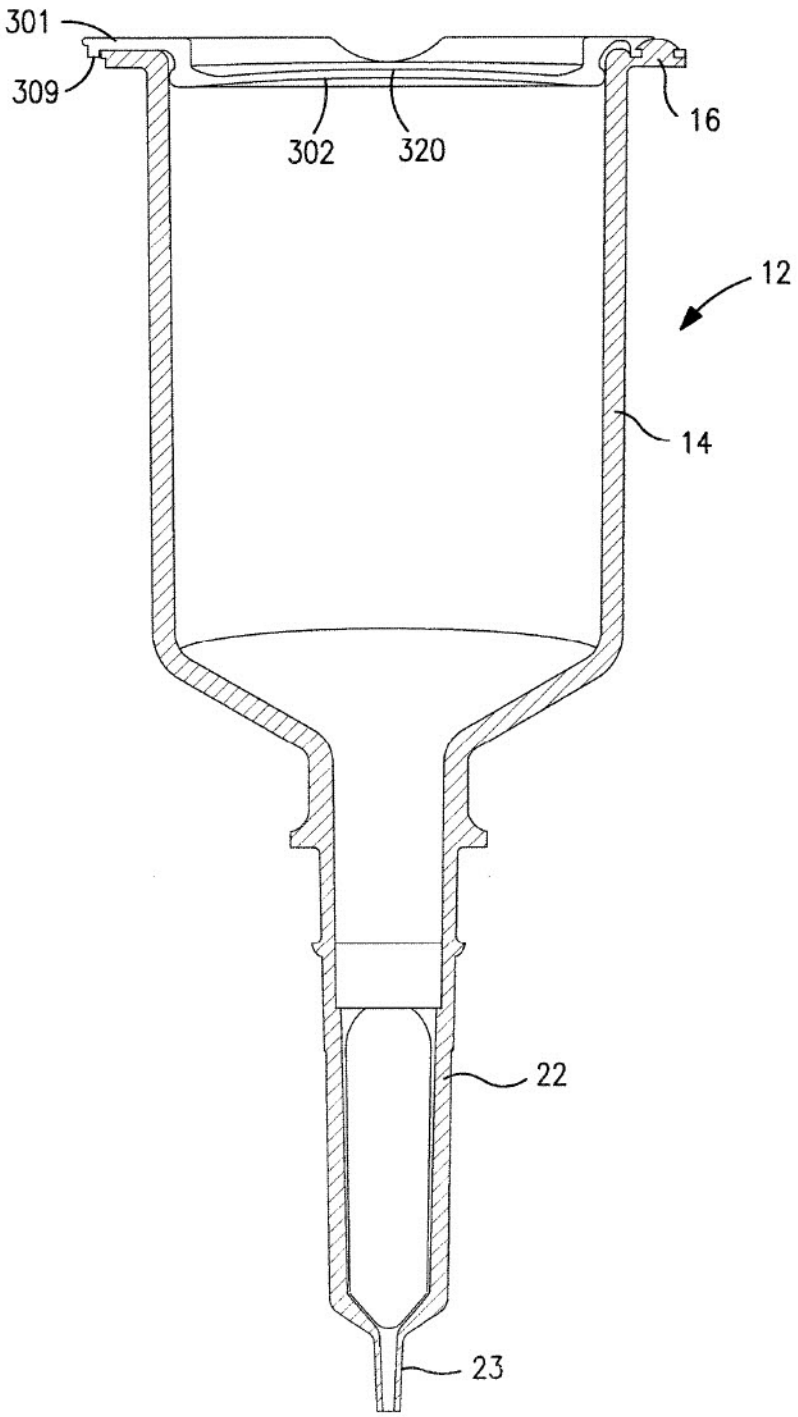


FIG. 17

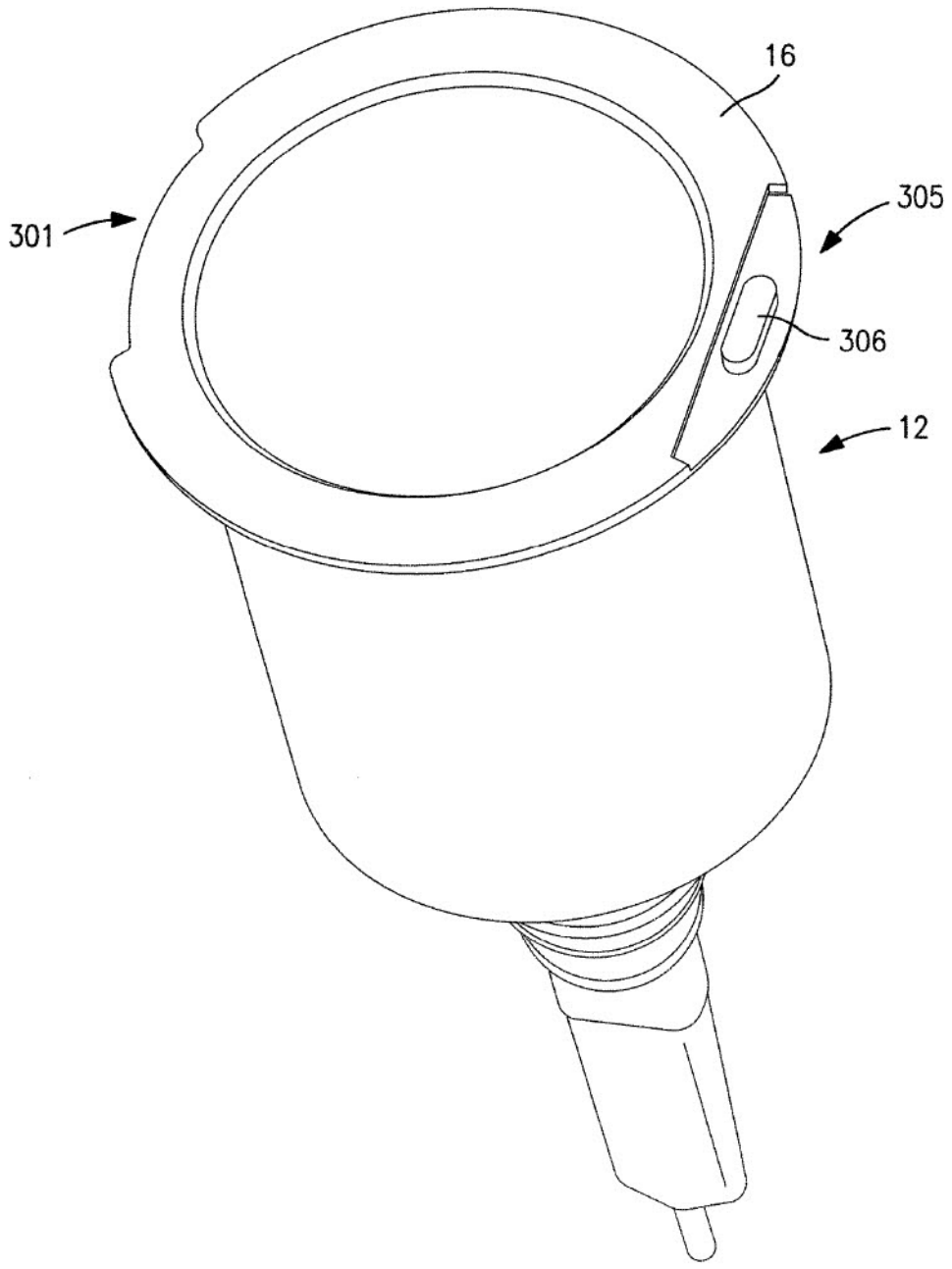


FIG. 18

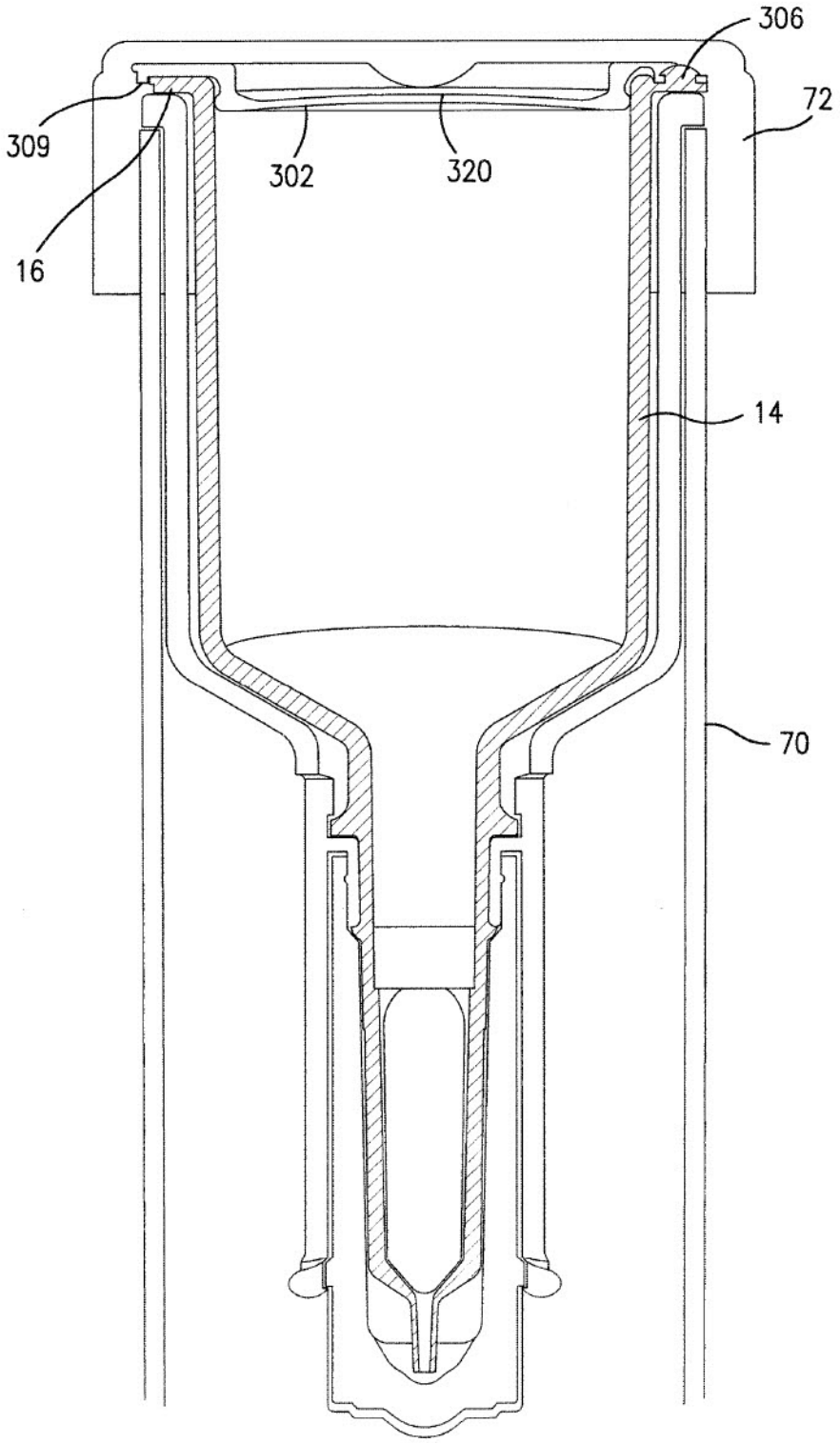


FIG. 19

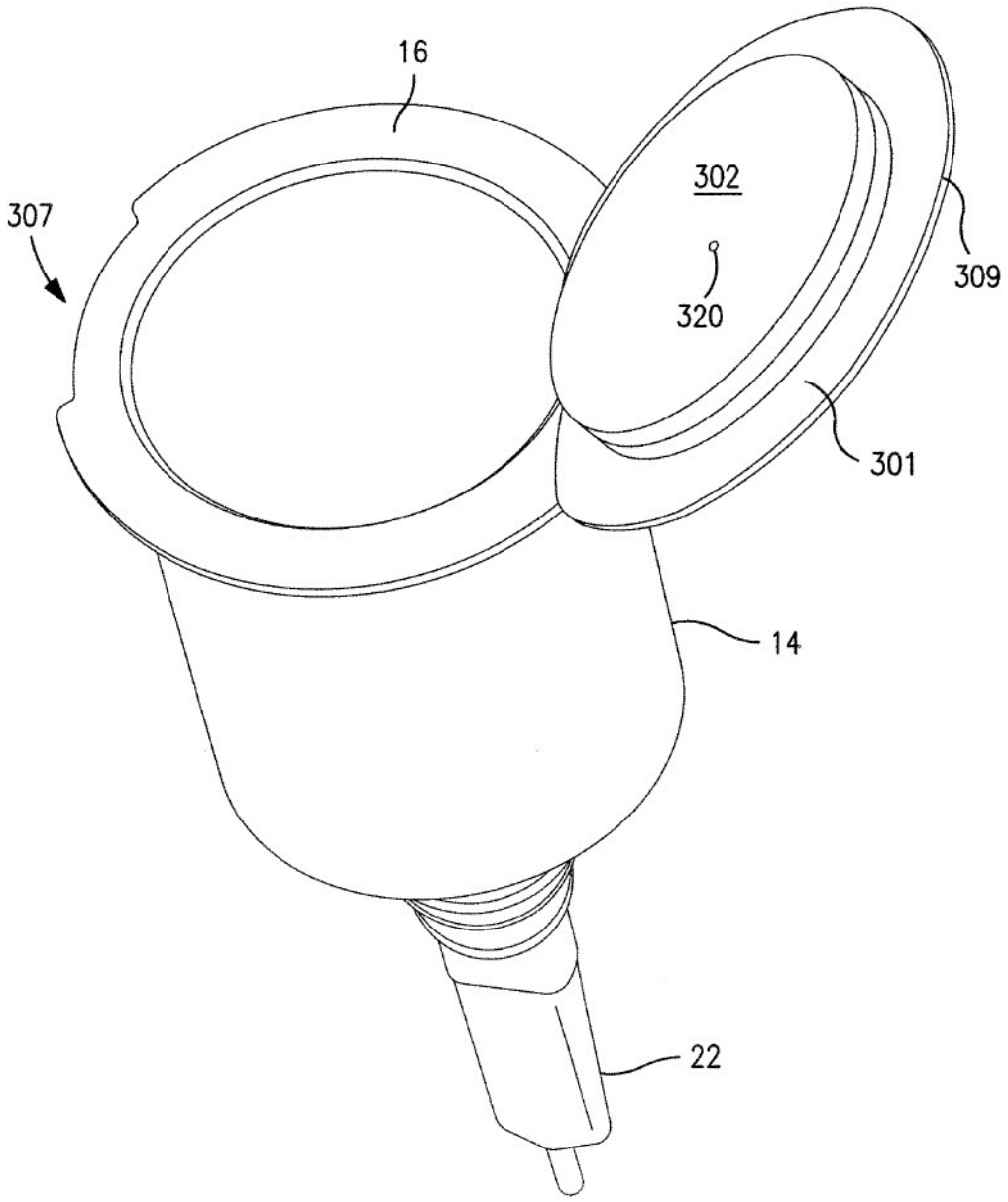


FIG. 20

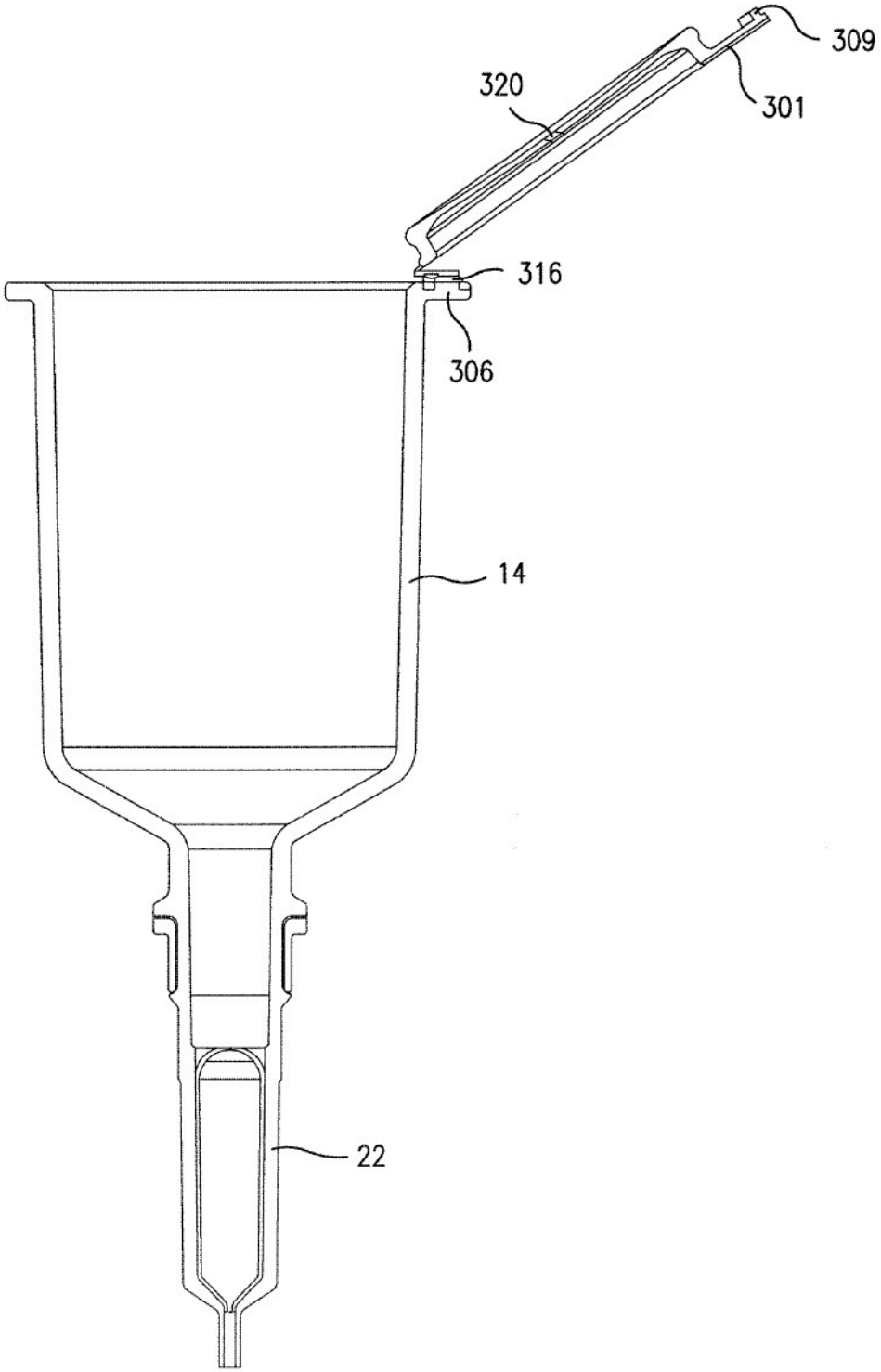


FIG. 21

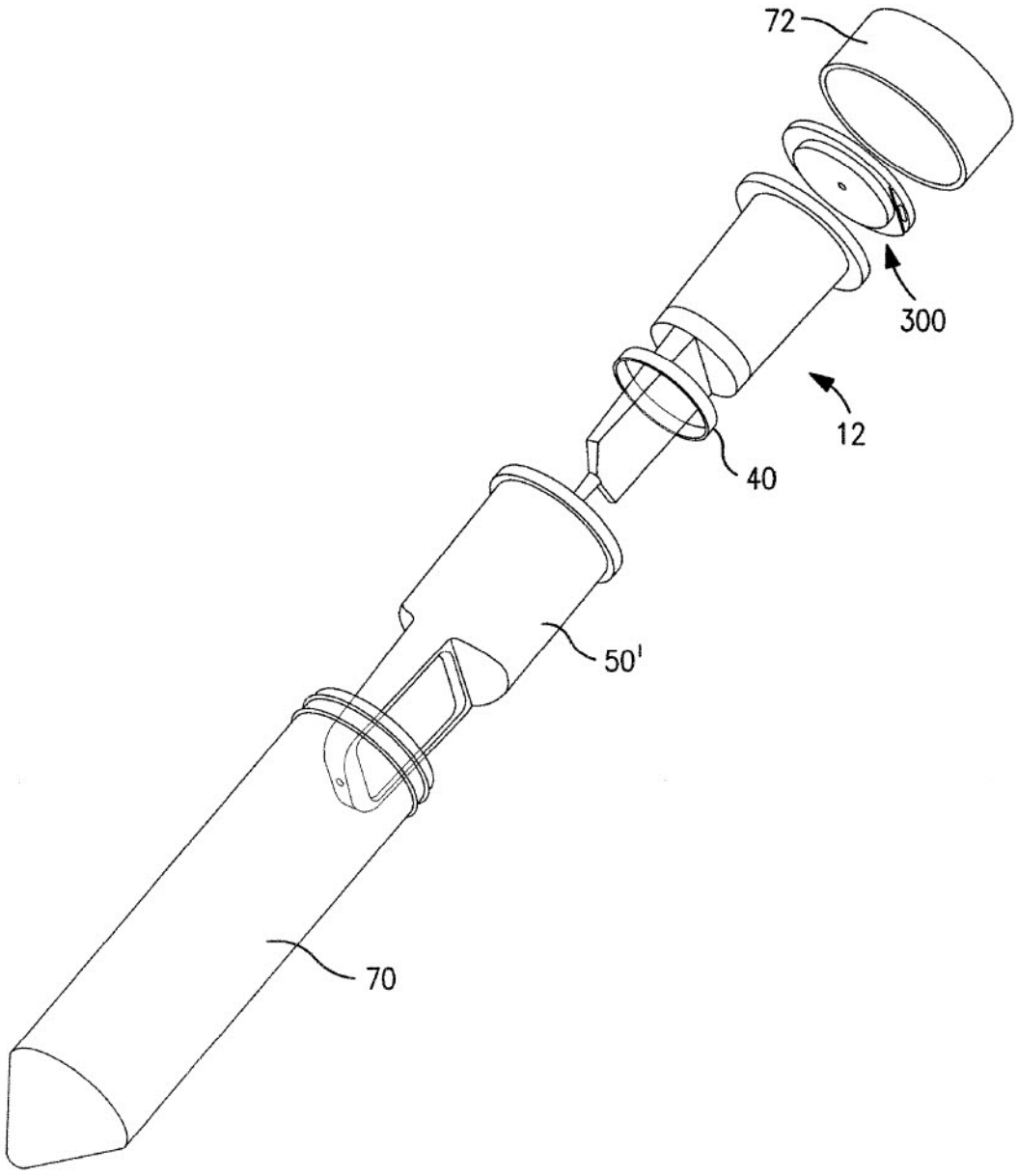


FIG. 22

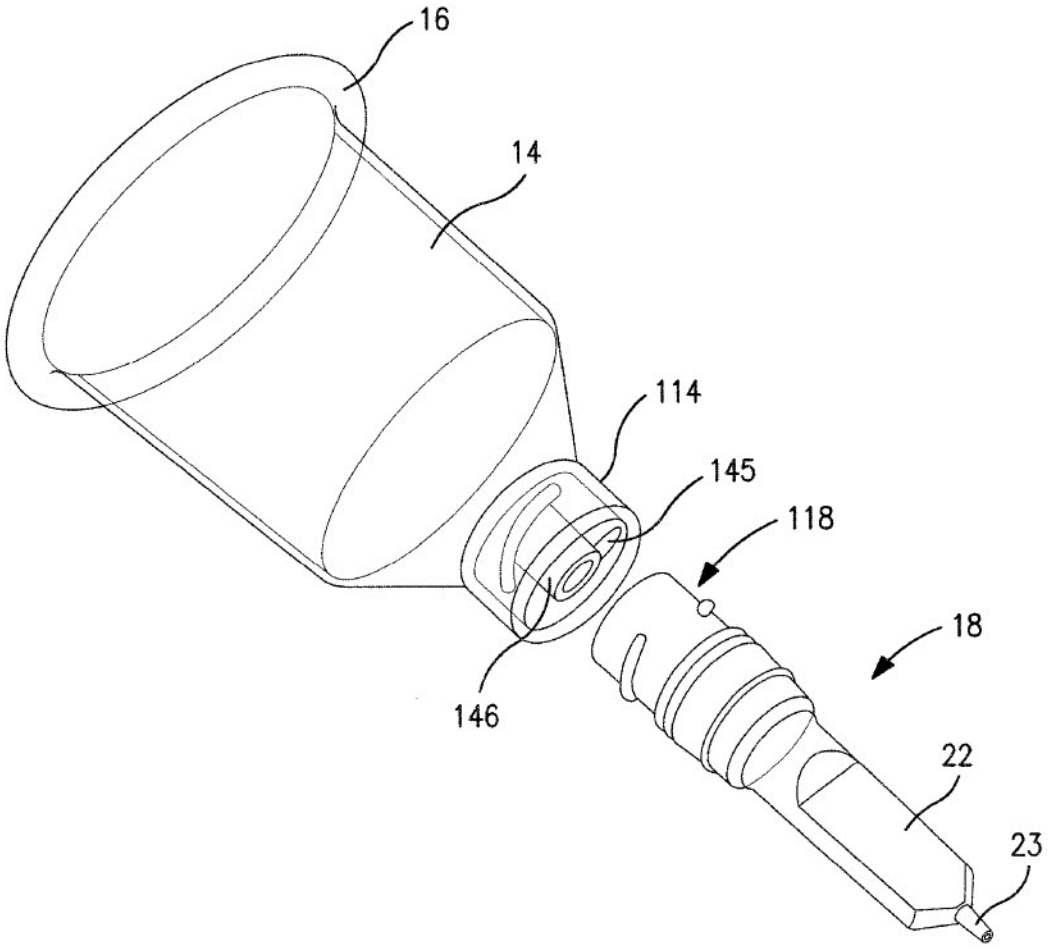


FIG. 23

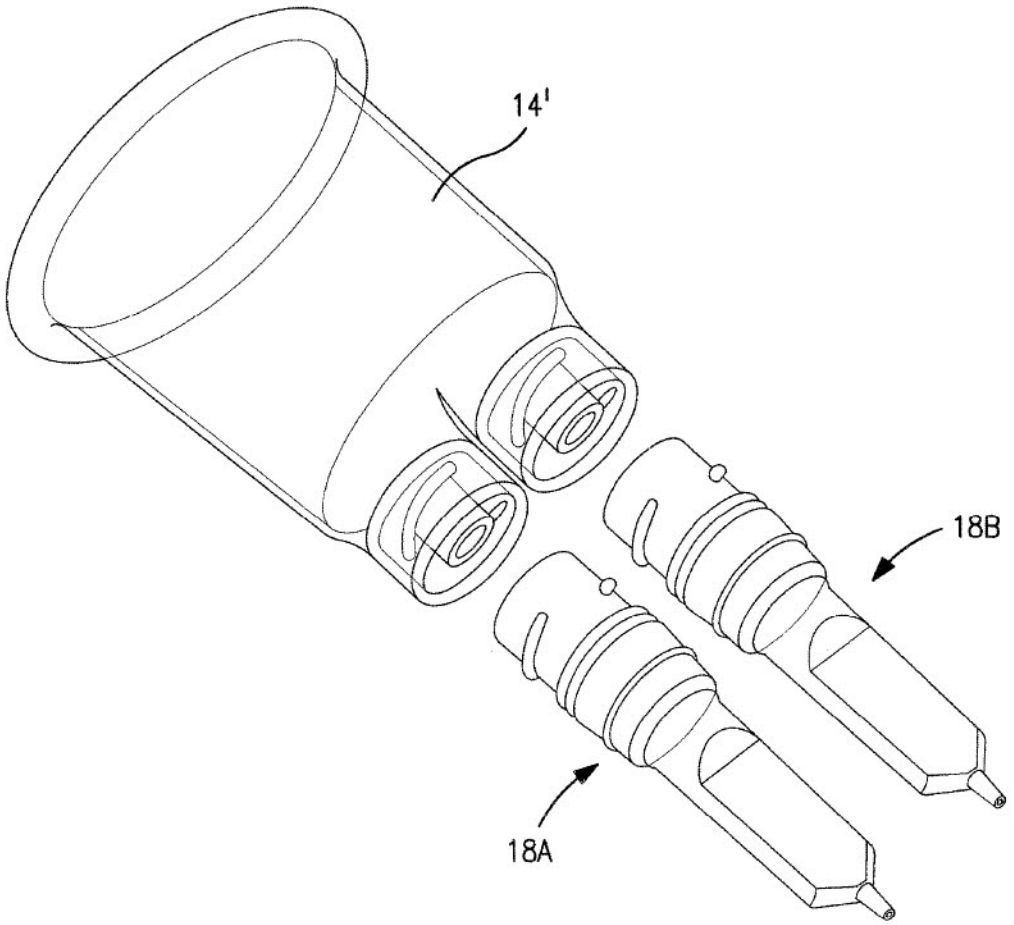


FIG. 24

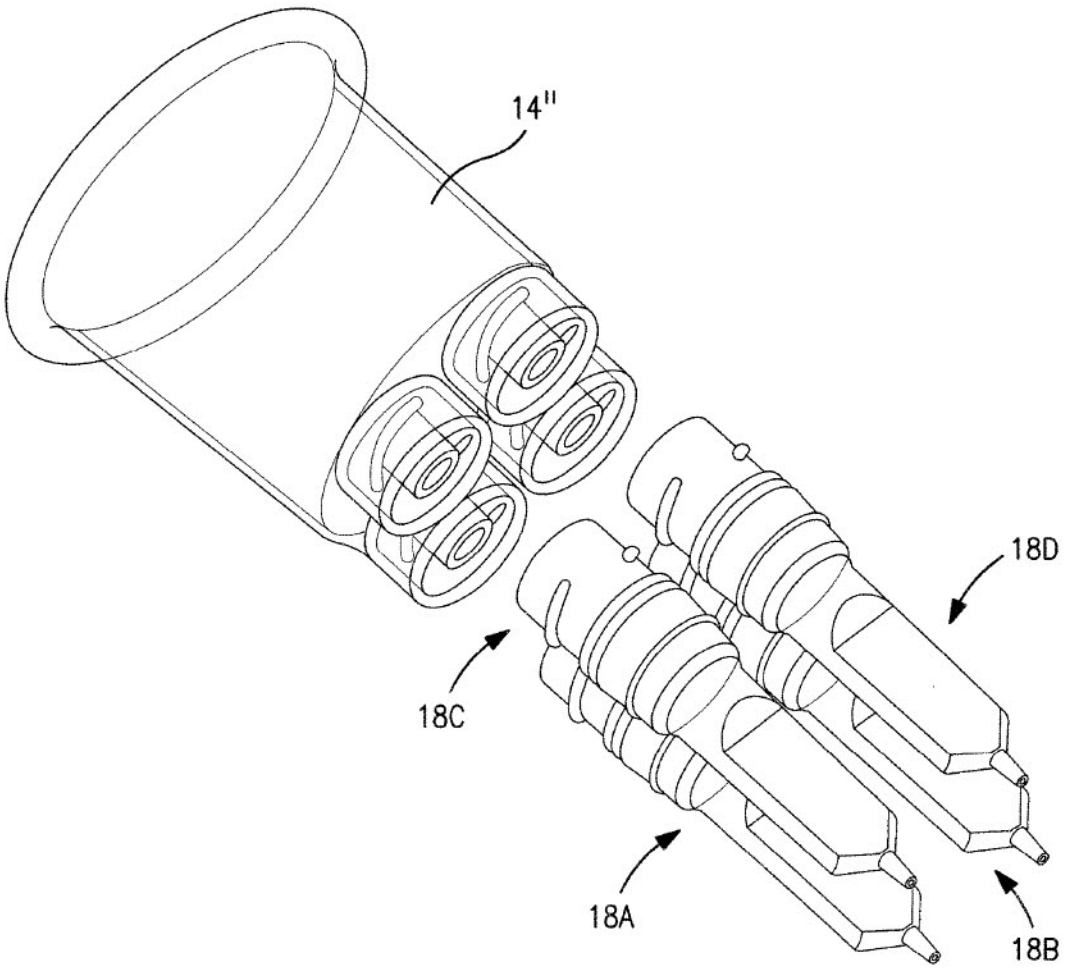


FIG. 25

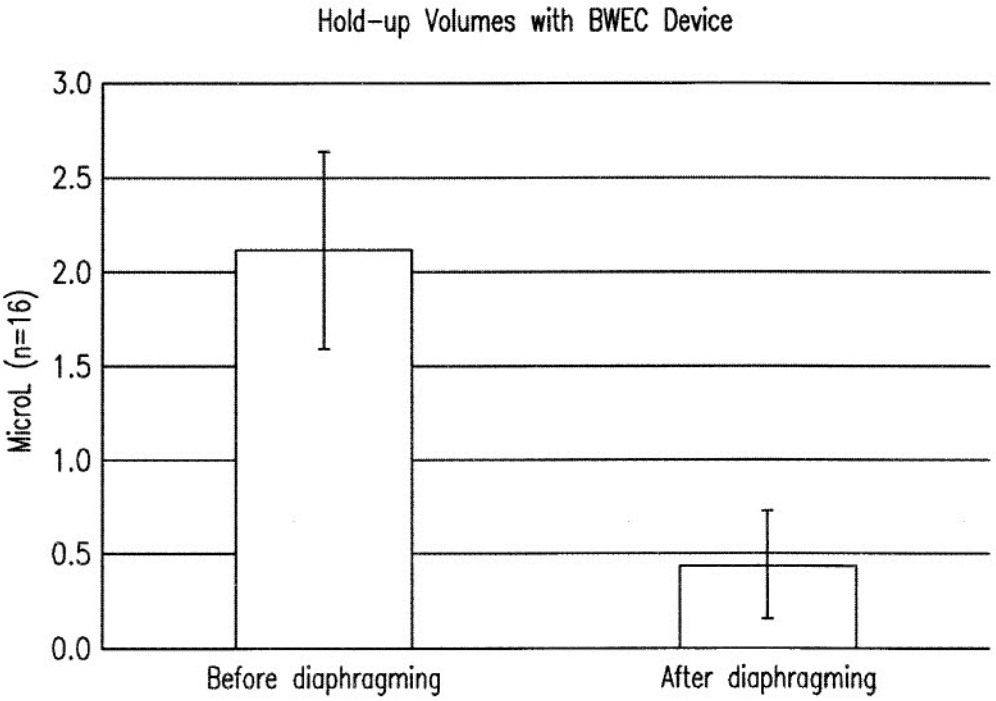
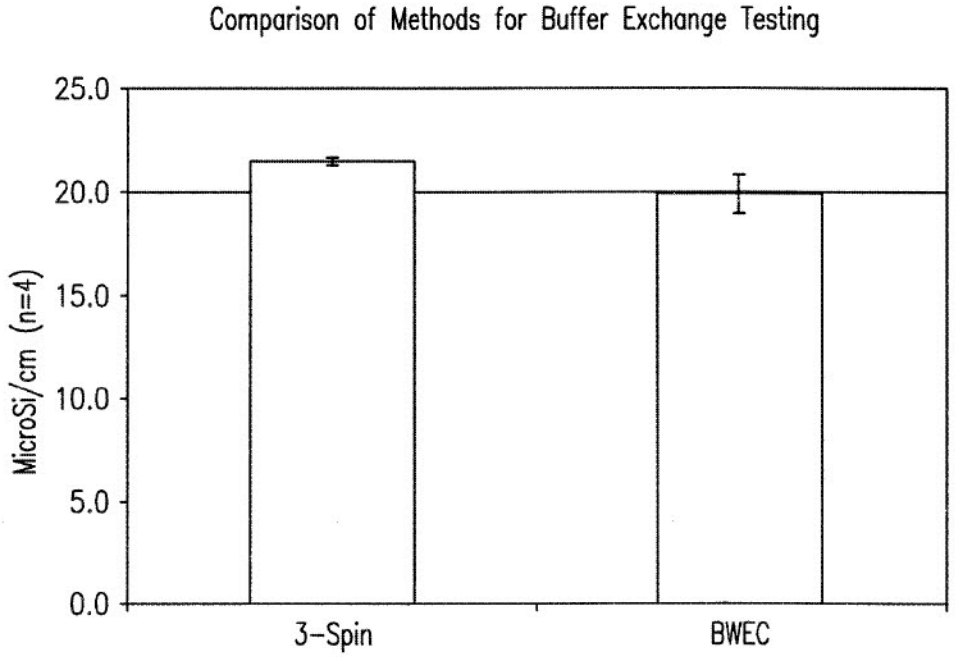

Hold-up Volumes with BWEC Device
MicroL (n=16)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Before diaphragming
After diaphragming

FIG. 26



Estimated NaCl conc.	1 mM	< 1mM
Salt removal	99.9%	> 99.9%

FIG. 27