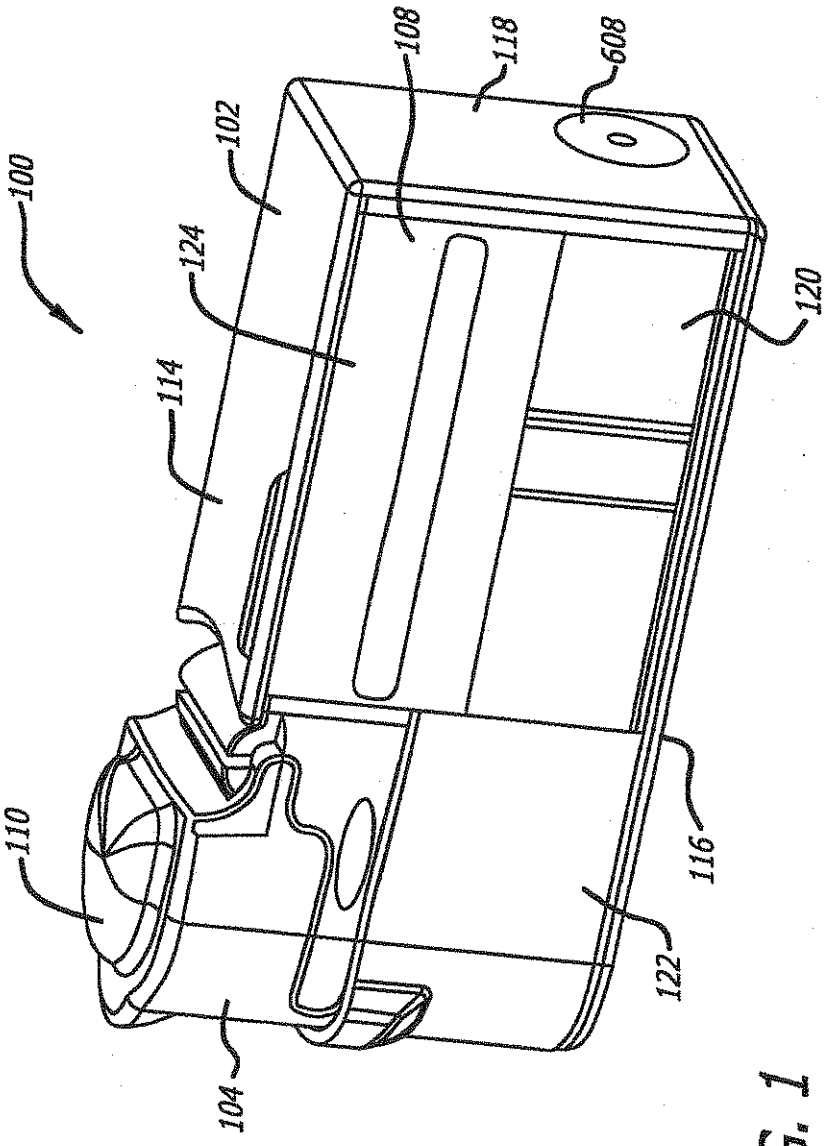


FIG. 1

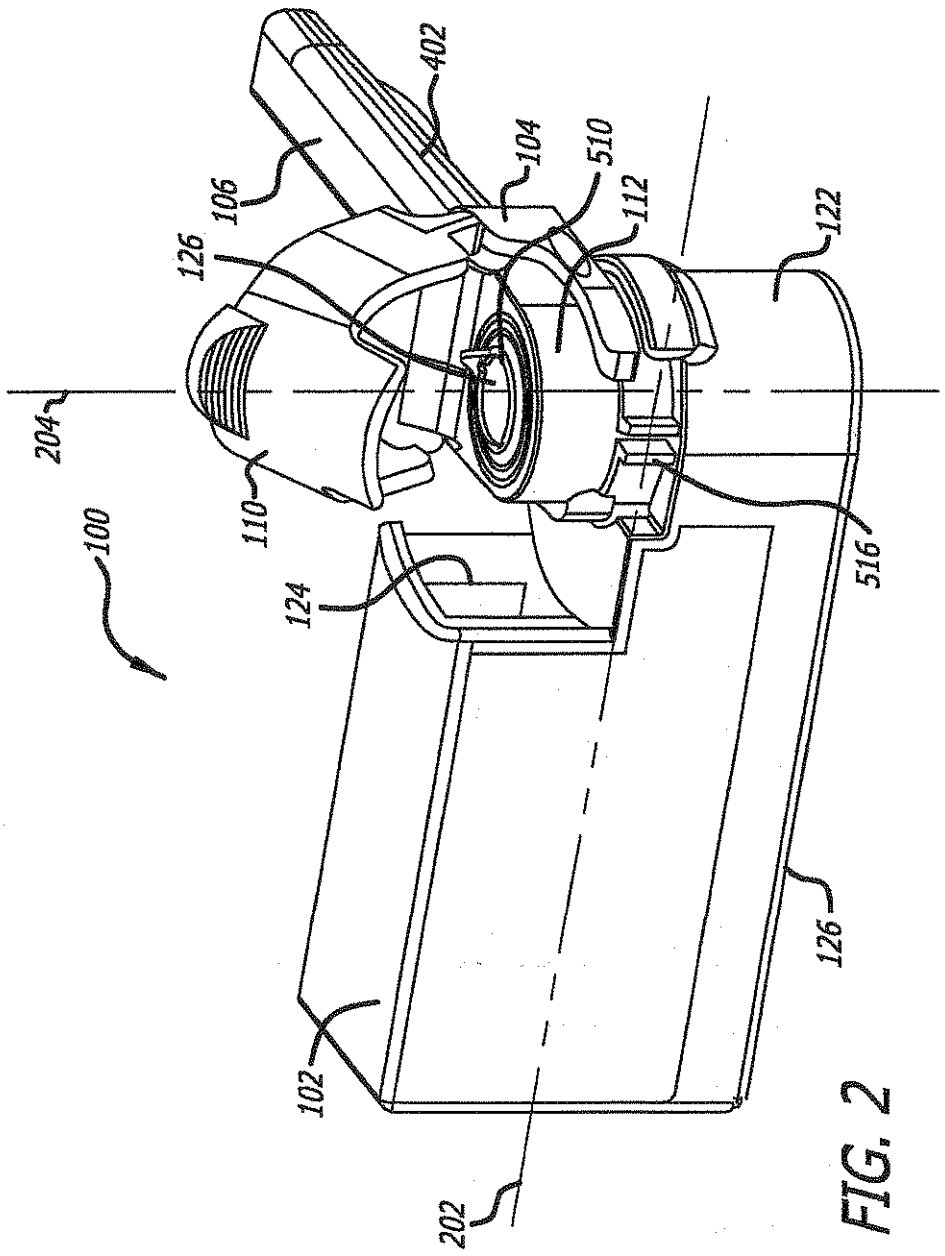


FIG. 2

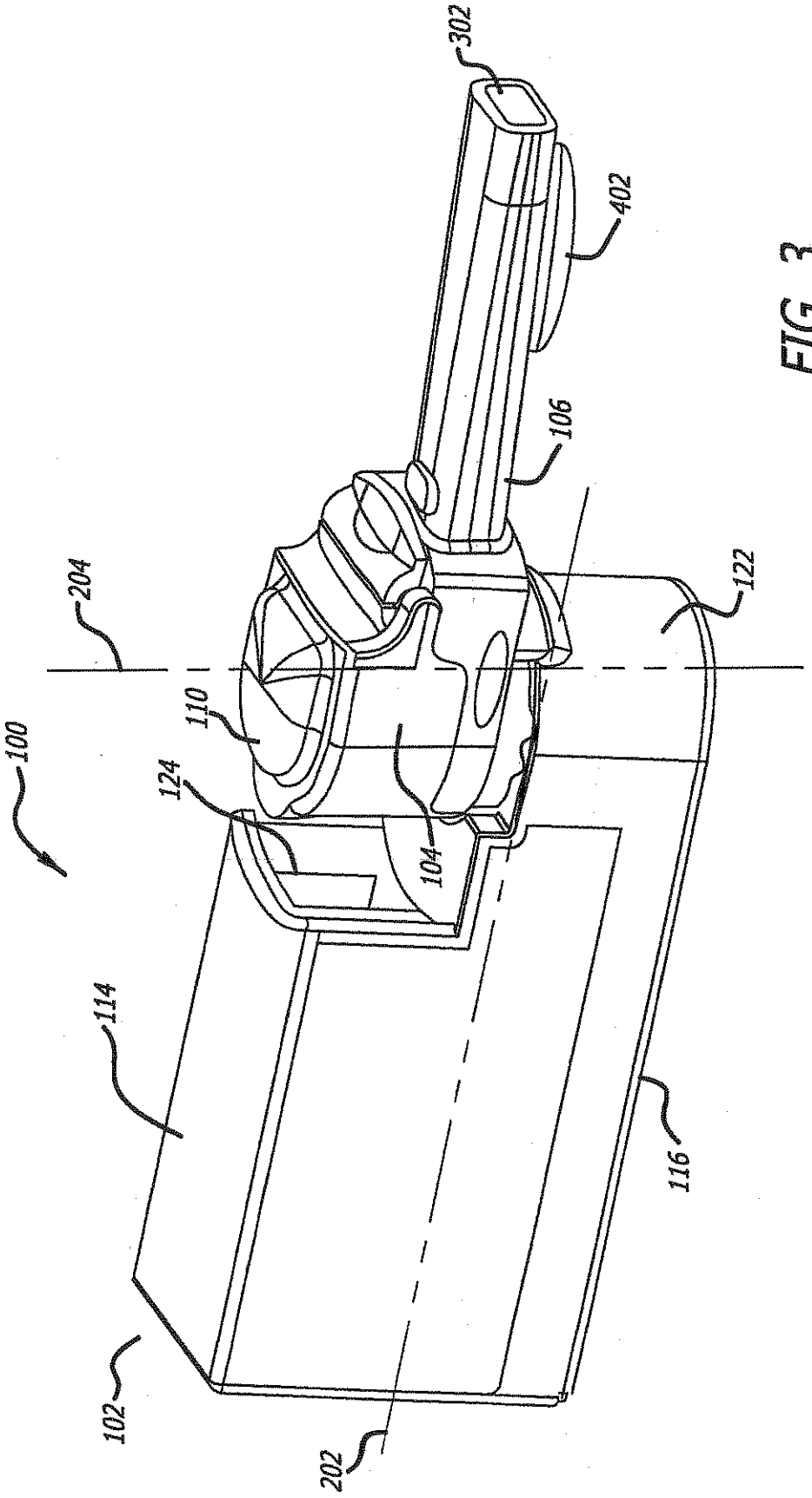


FIG. 3

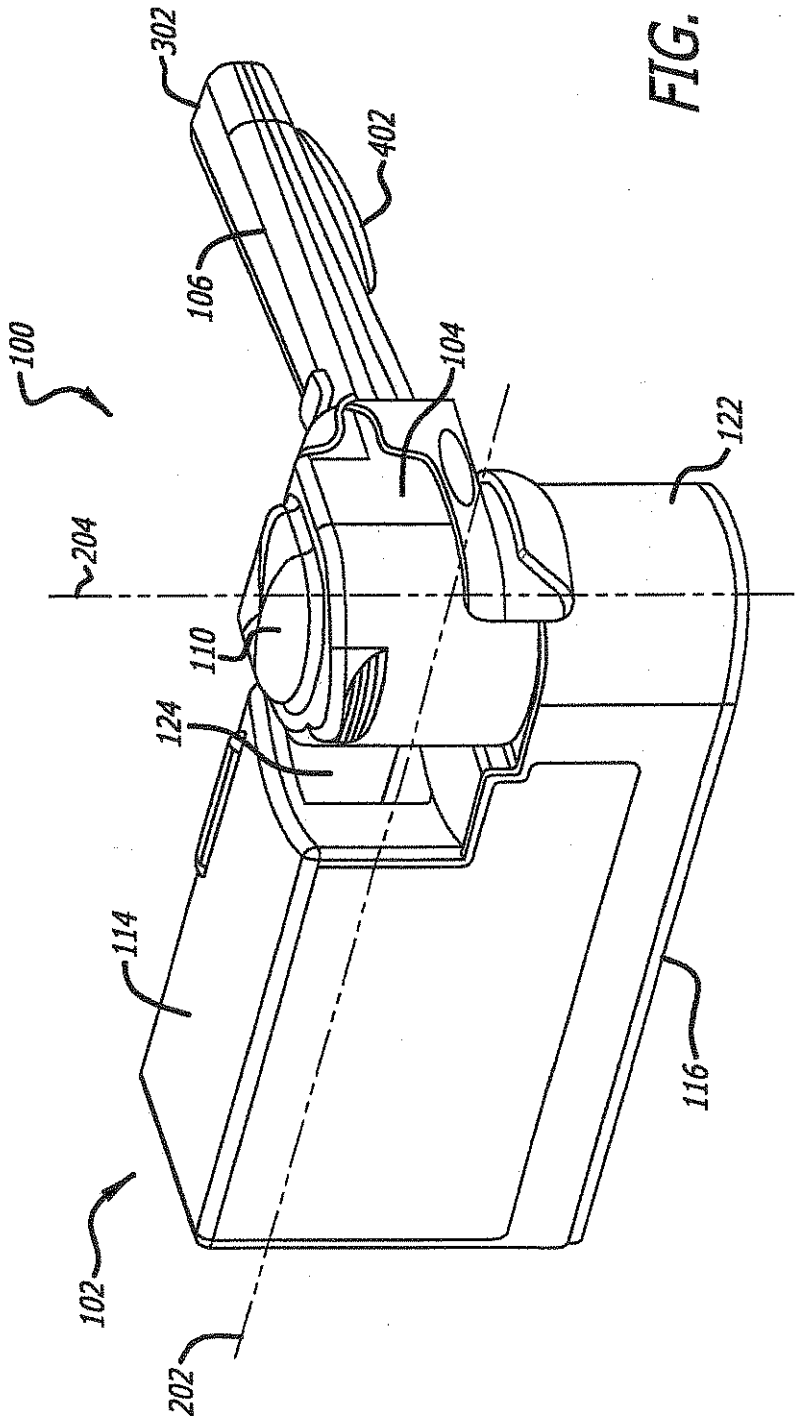


FIG. 4

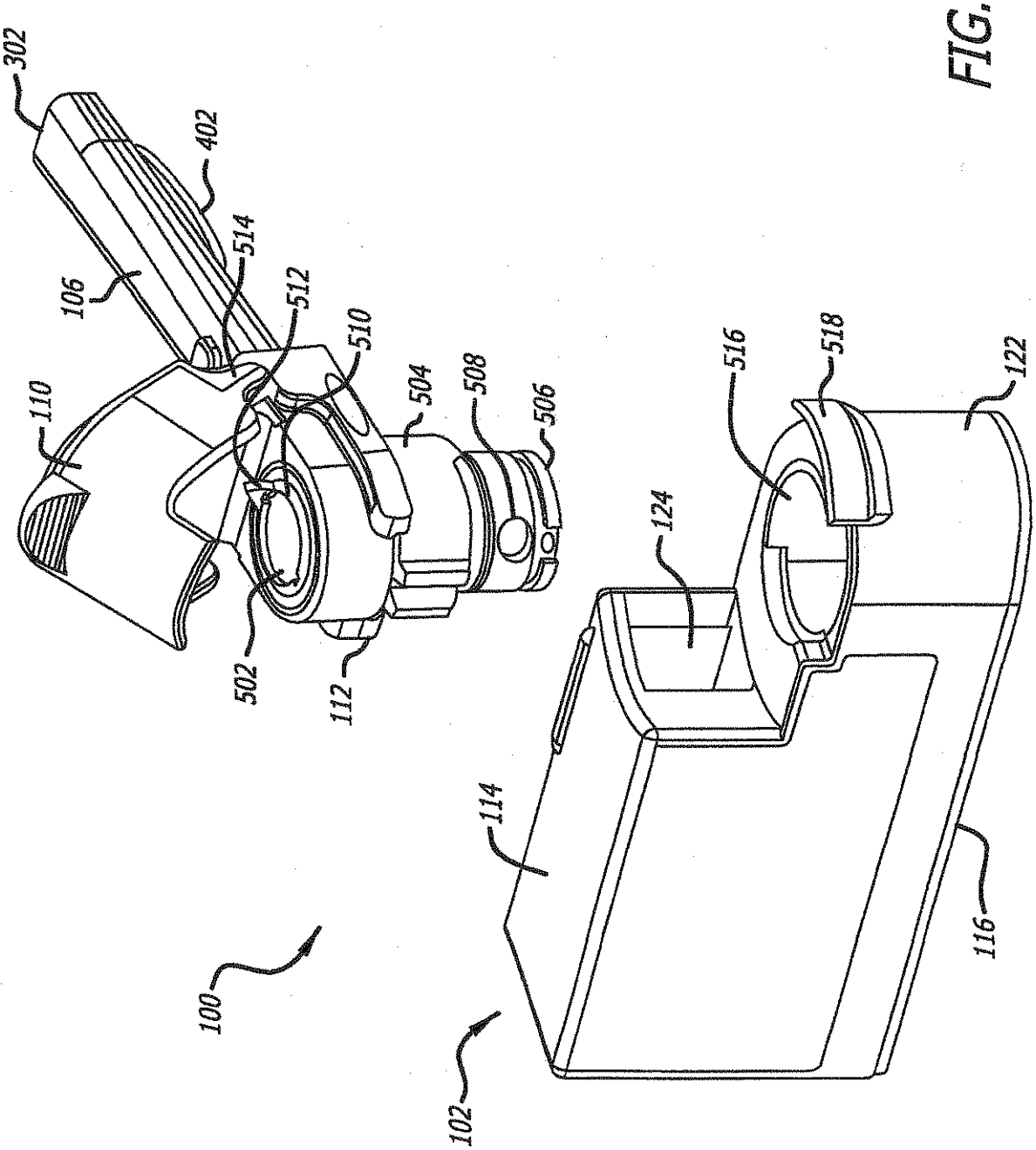

302
402
514
106
512
510
110
504
508
506
516
518
122
124
502
112
114
116
100
102

FIG. 5

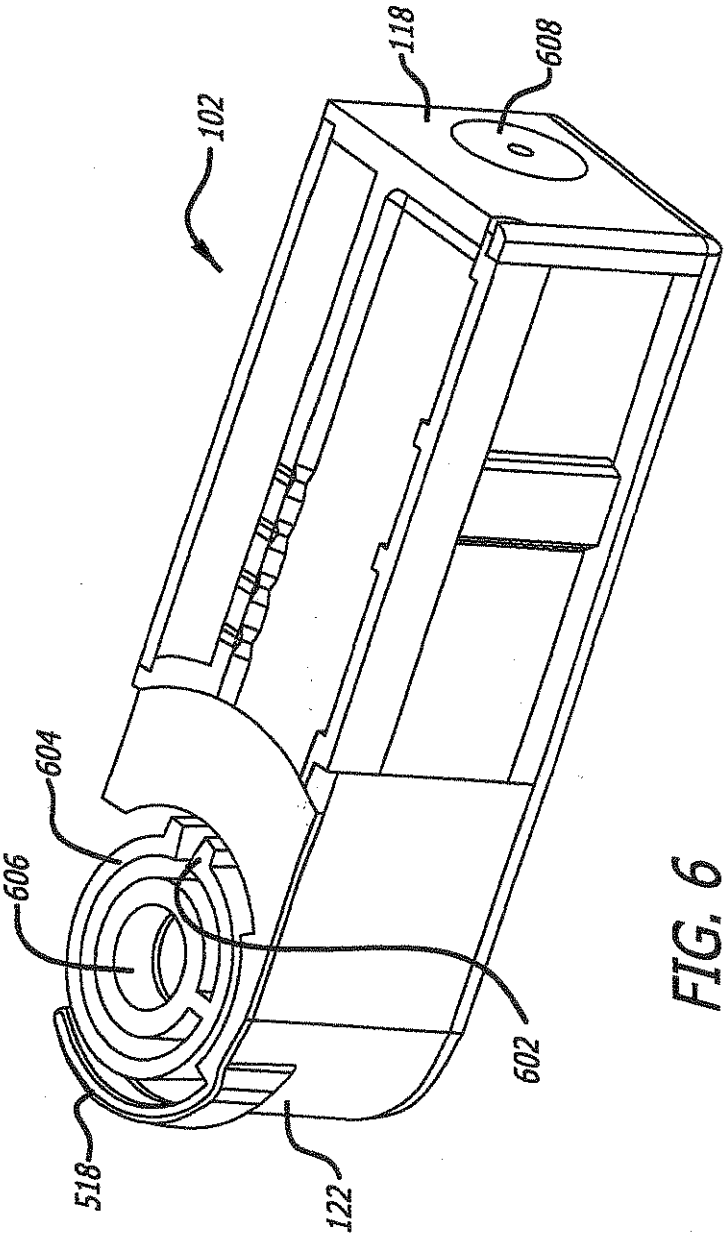


FIG. 6

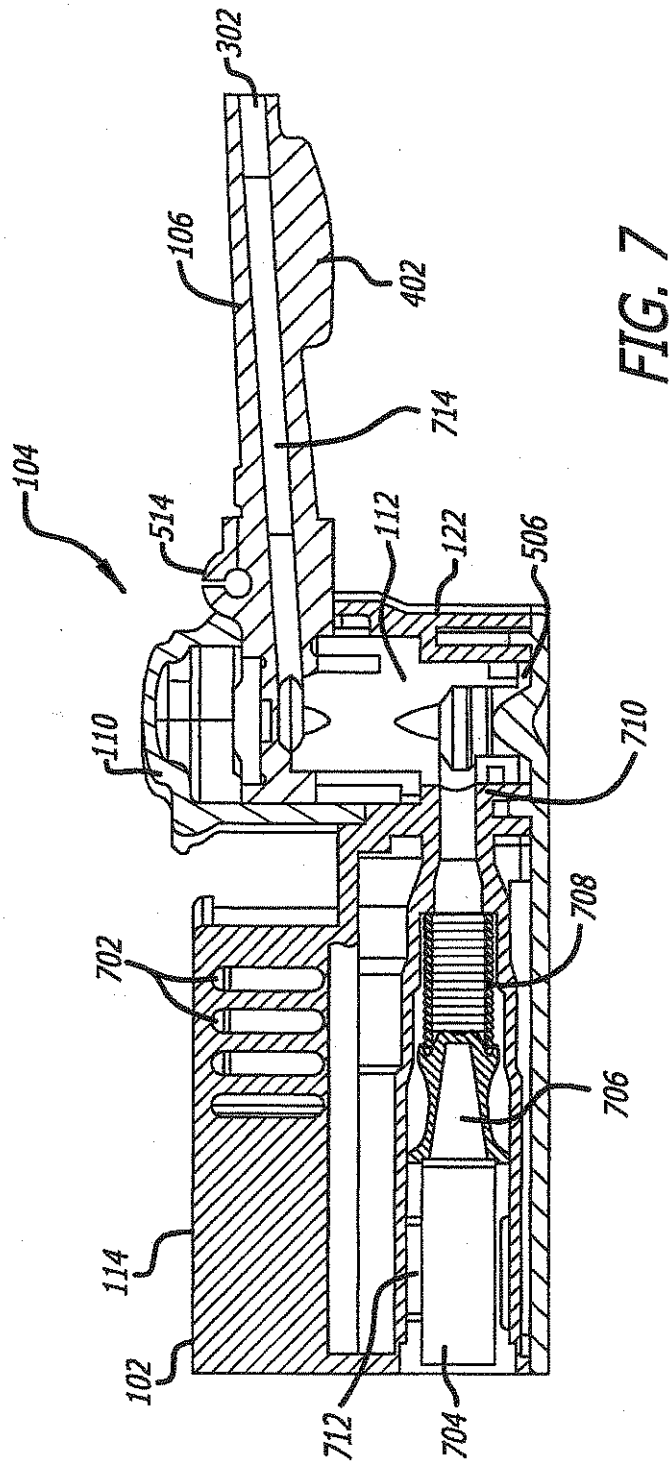

302
106
402
714
104
514
112
122
506
110
710
708
702
706
114
102
712
704

FIG. 7

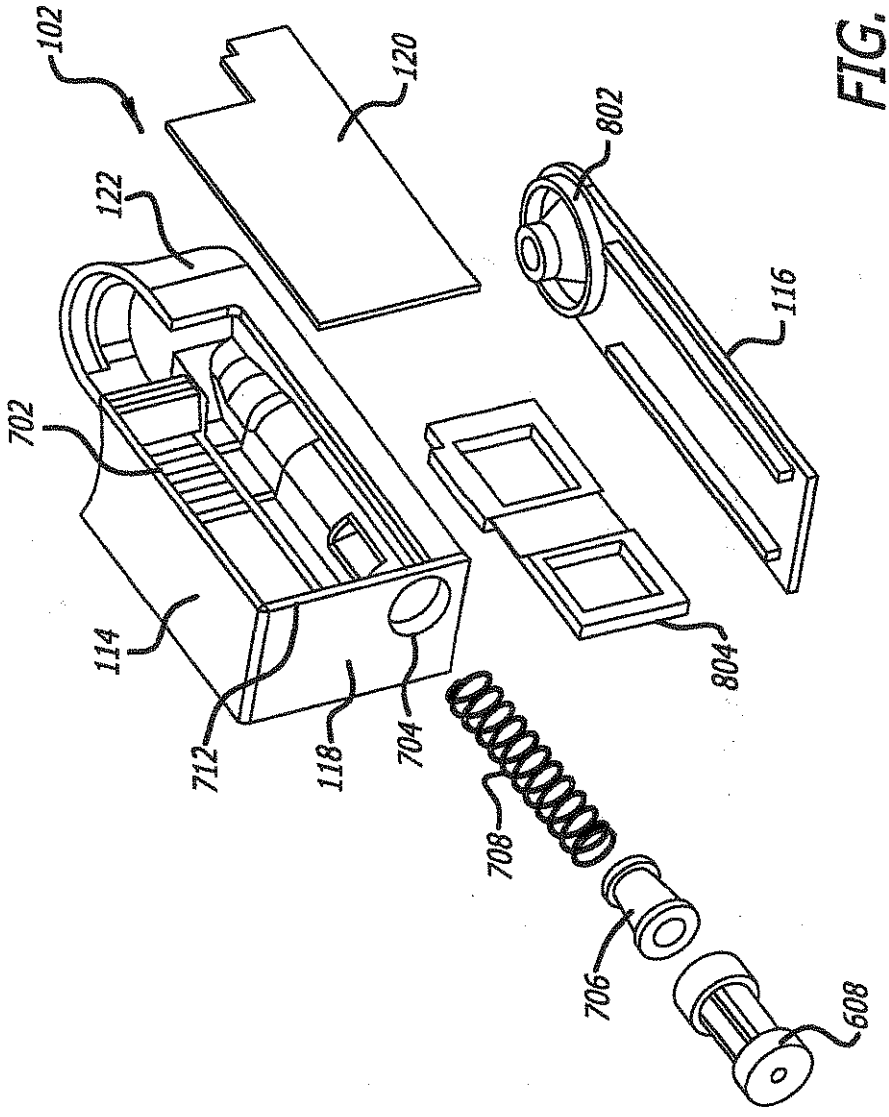


FIG. 8

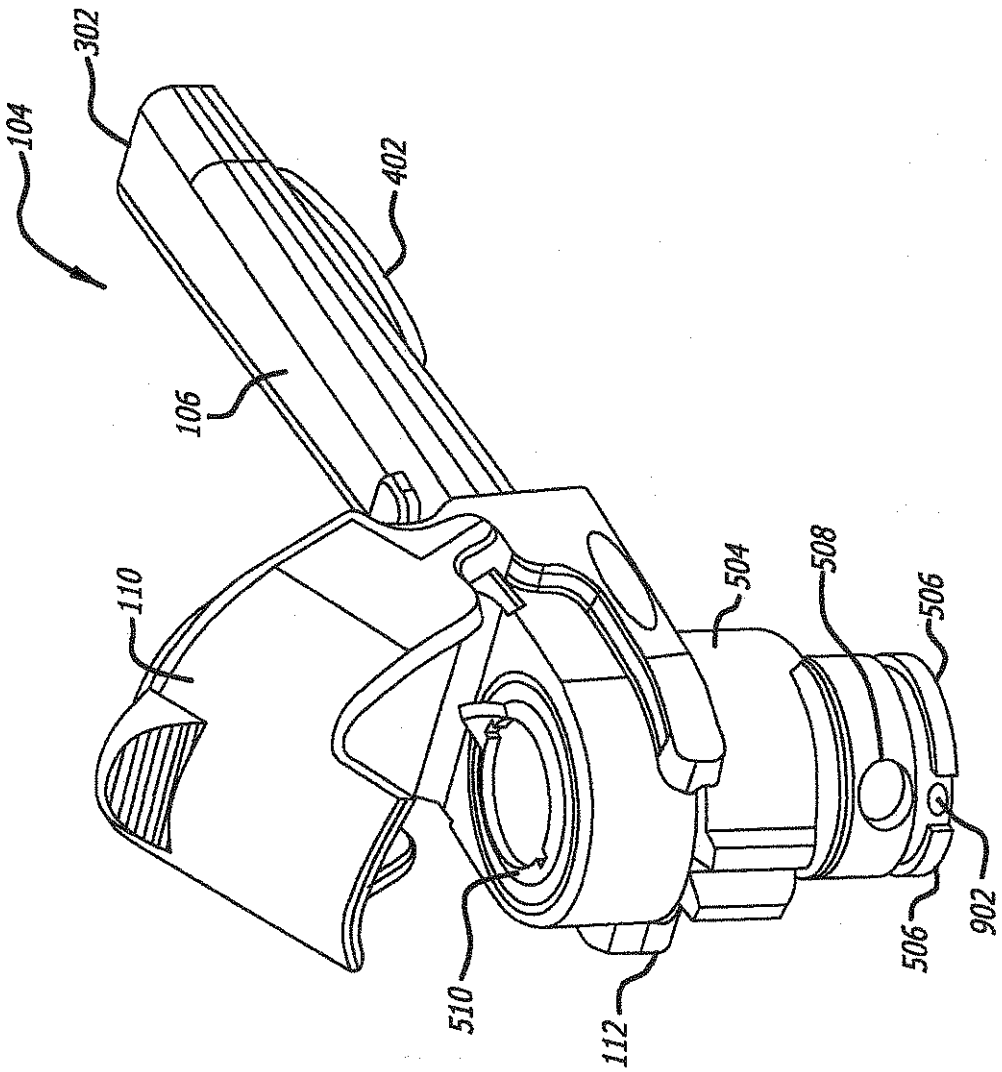


FIG. 9

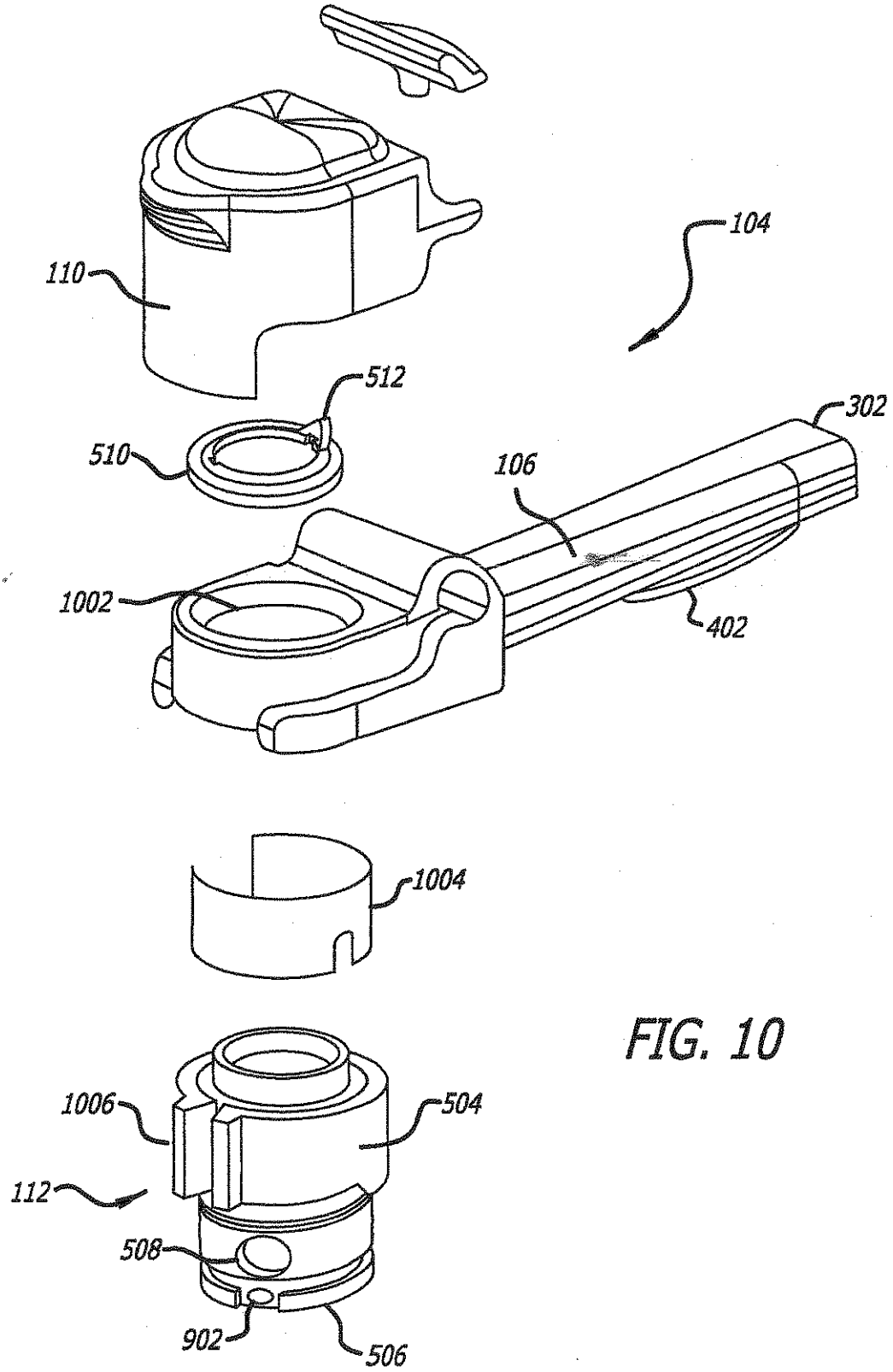


FIG. 10

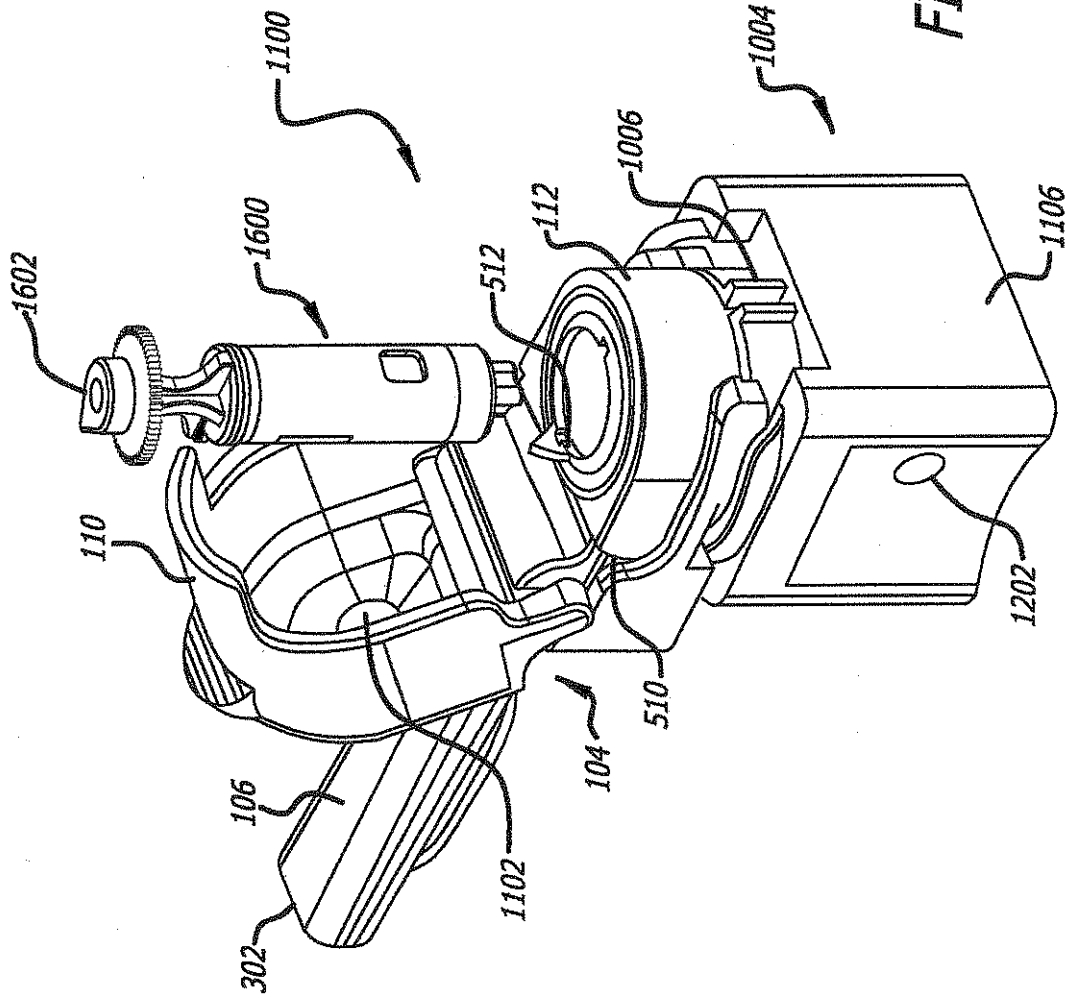

1602
1600
1100
512
112
1006
1004
1106
110
1202
510
104
106
1102
302

FIG. 11

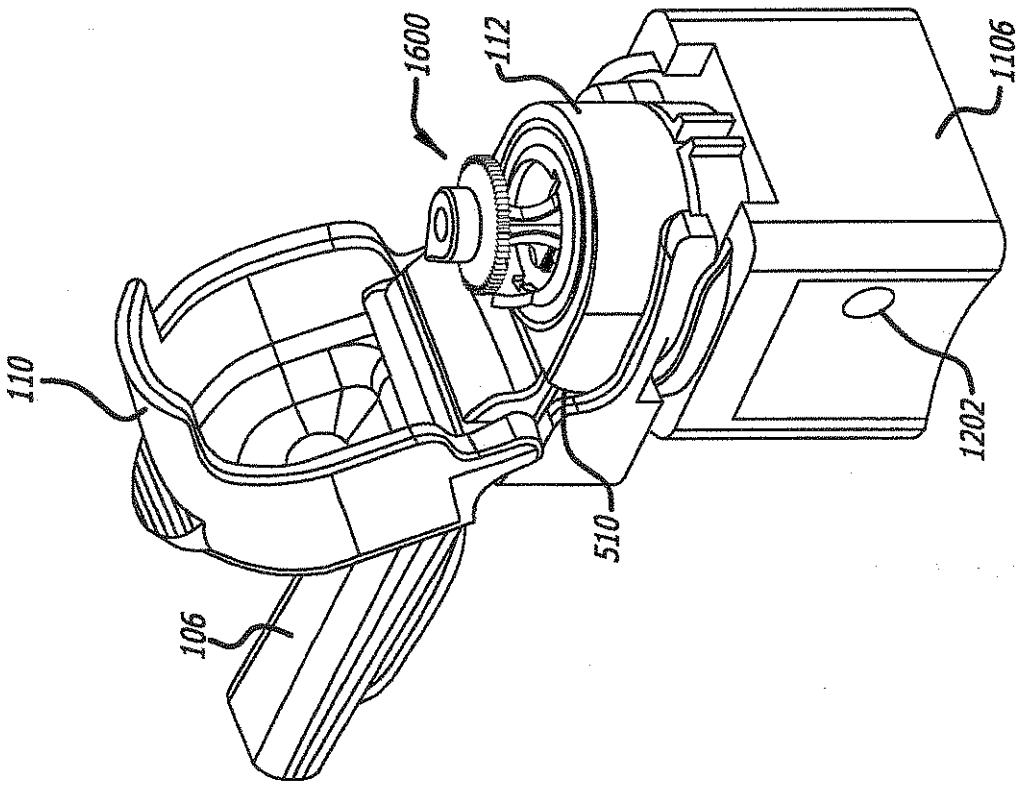


FIG. 12

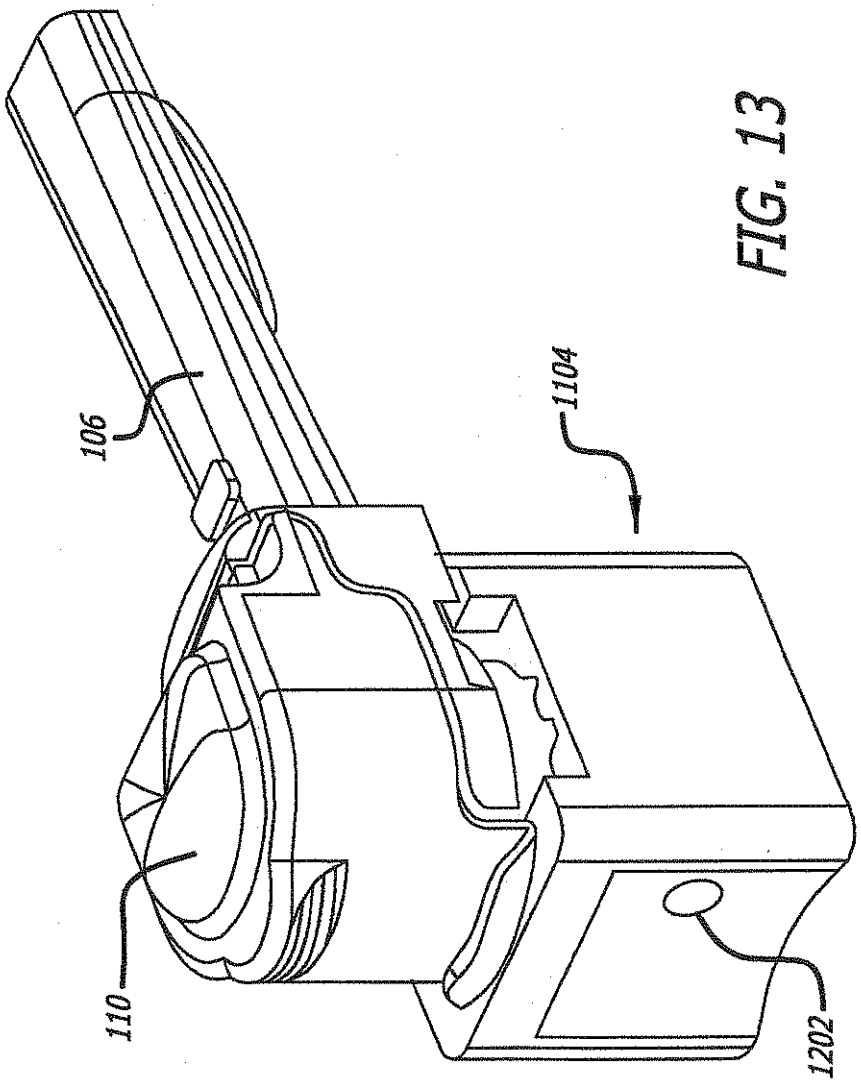


FIG. 13

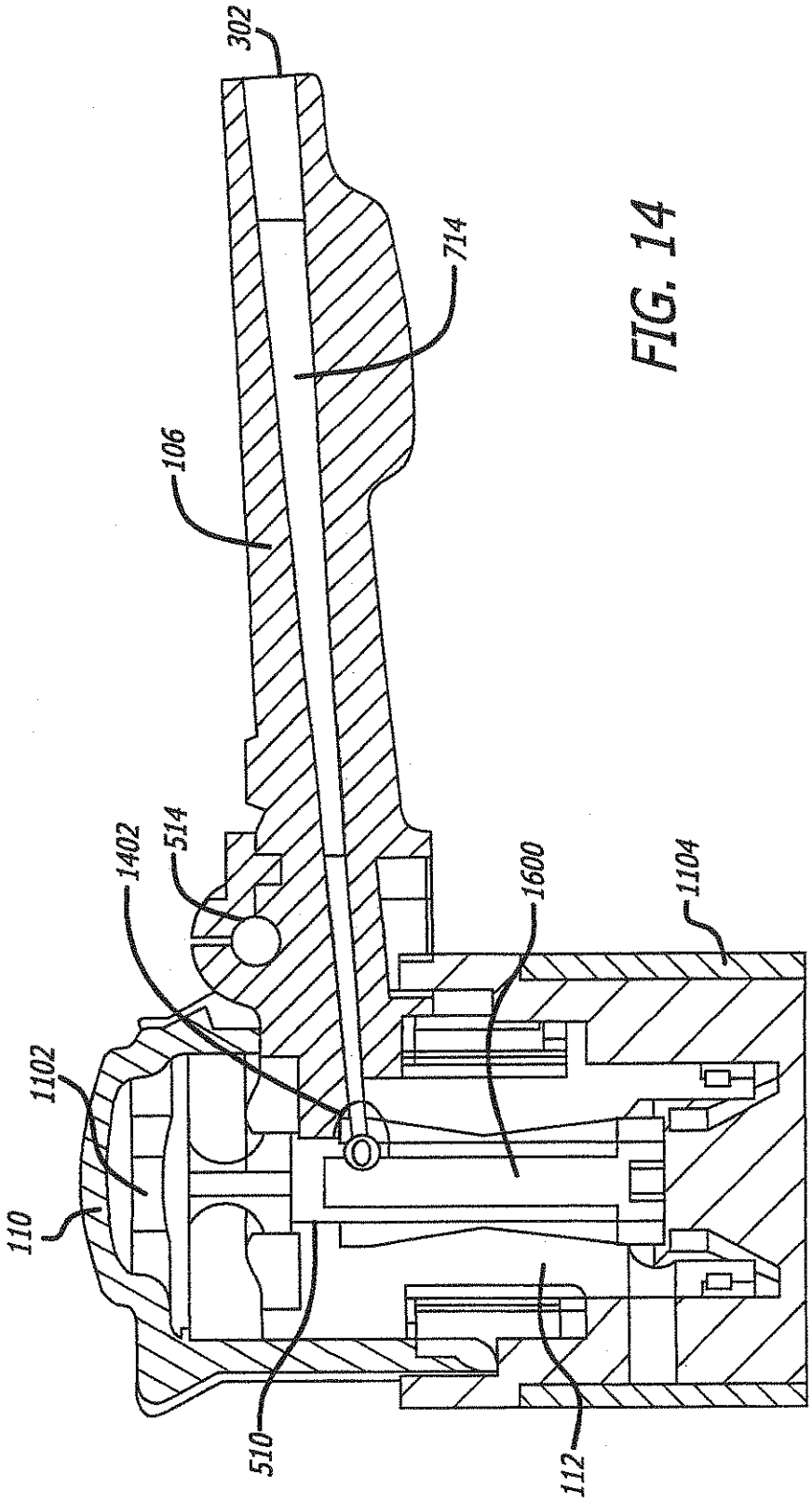


FIG. 14

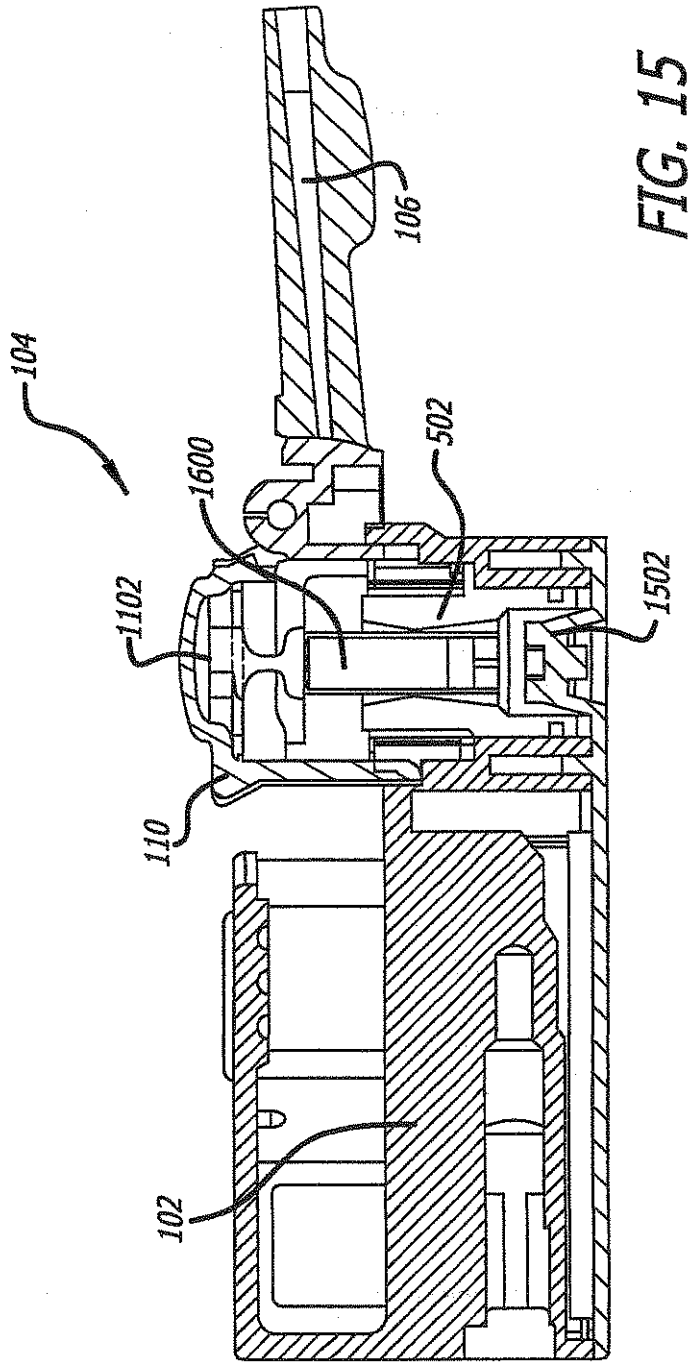


FIG. 15

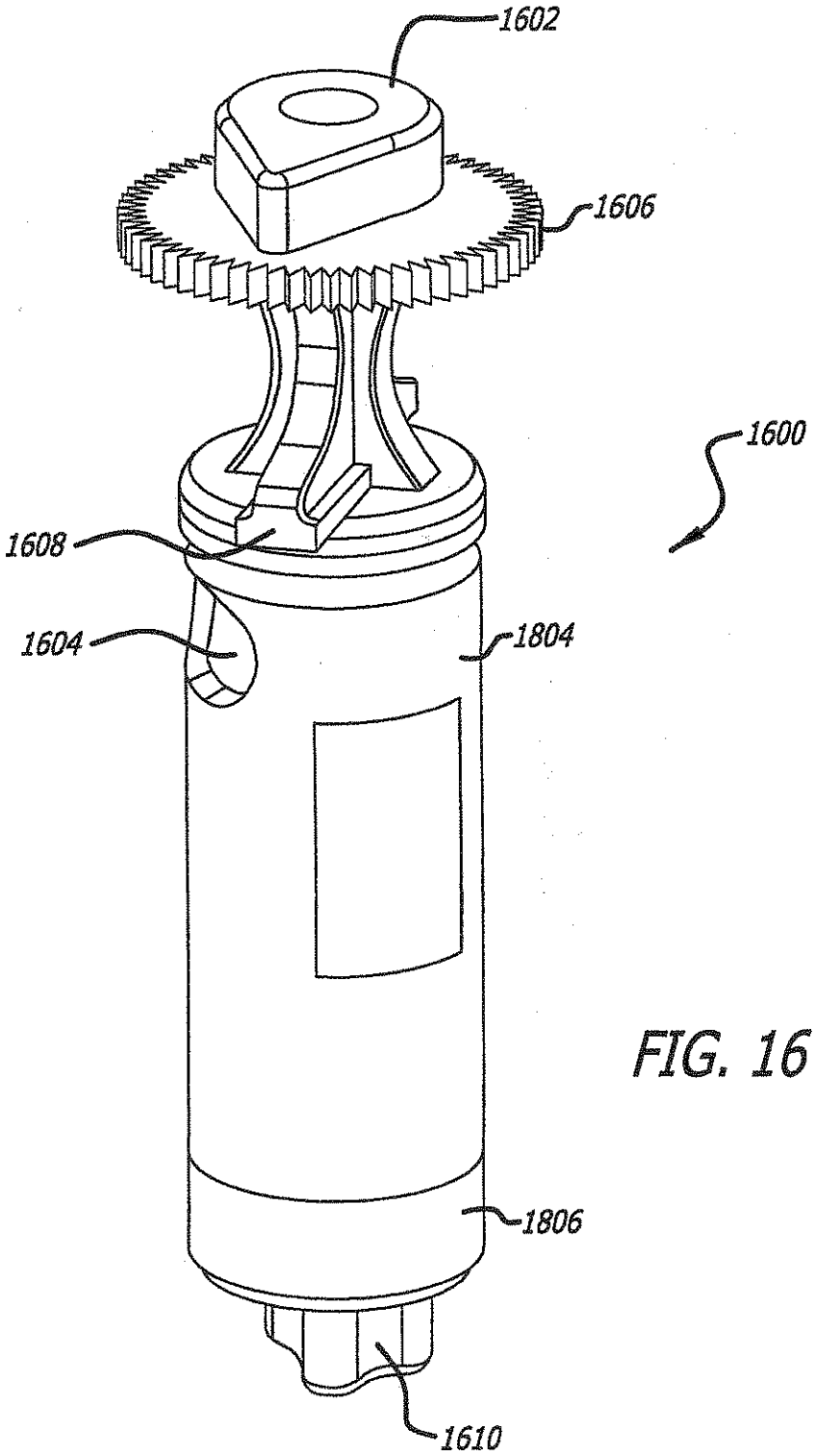


FIG. 16

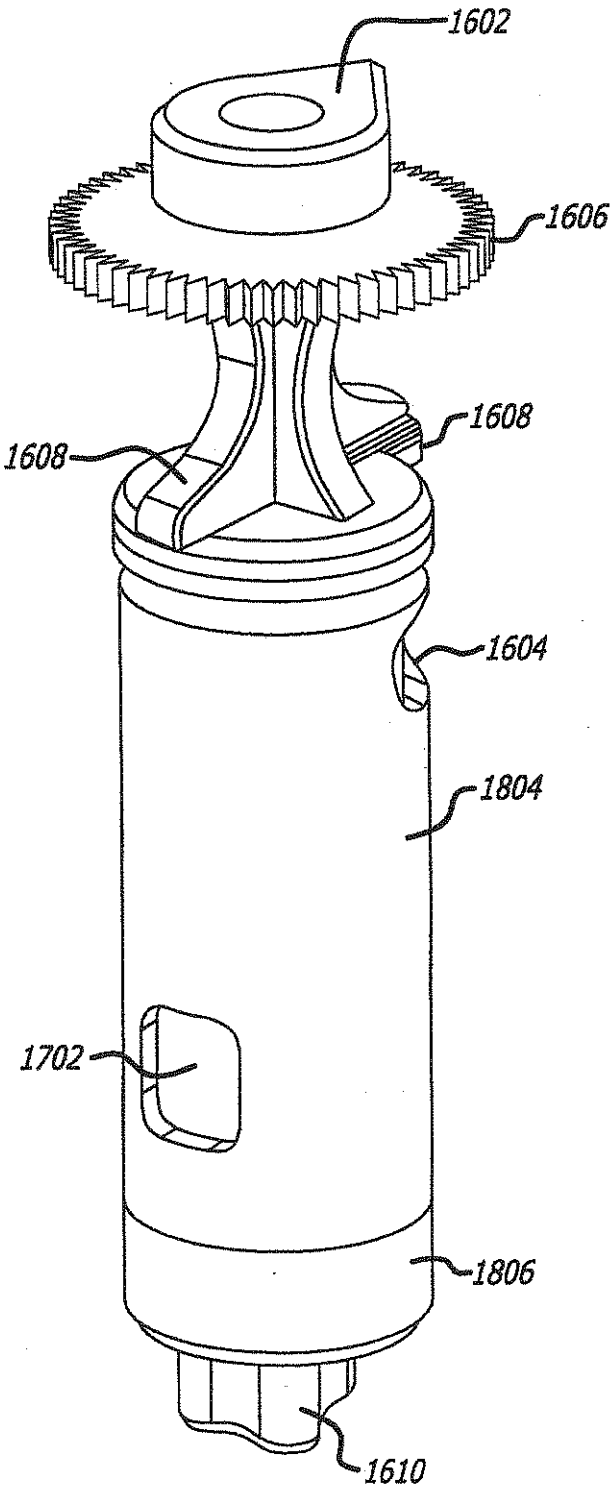


FIG. 17

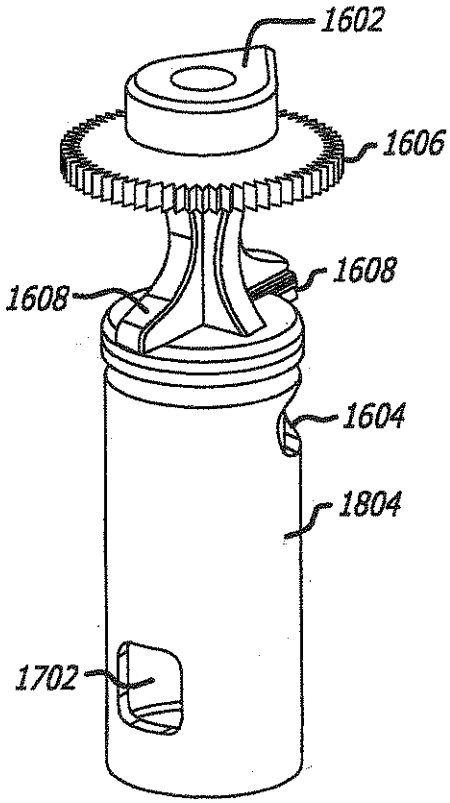


FIG. 18

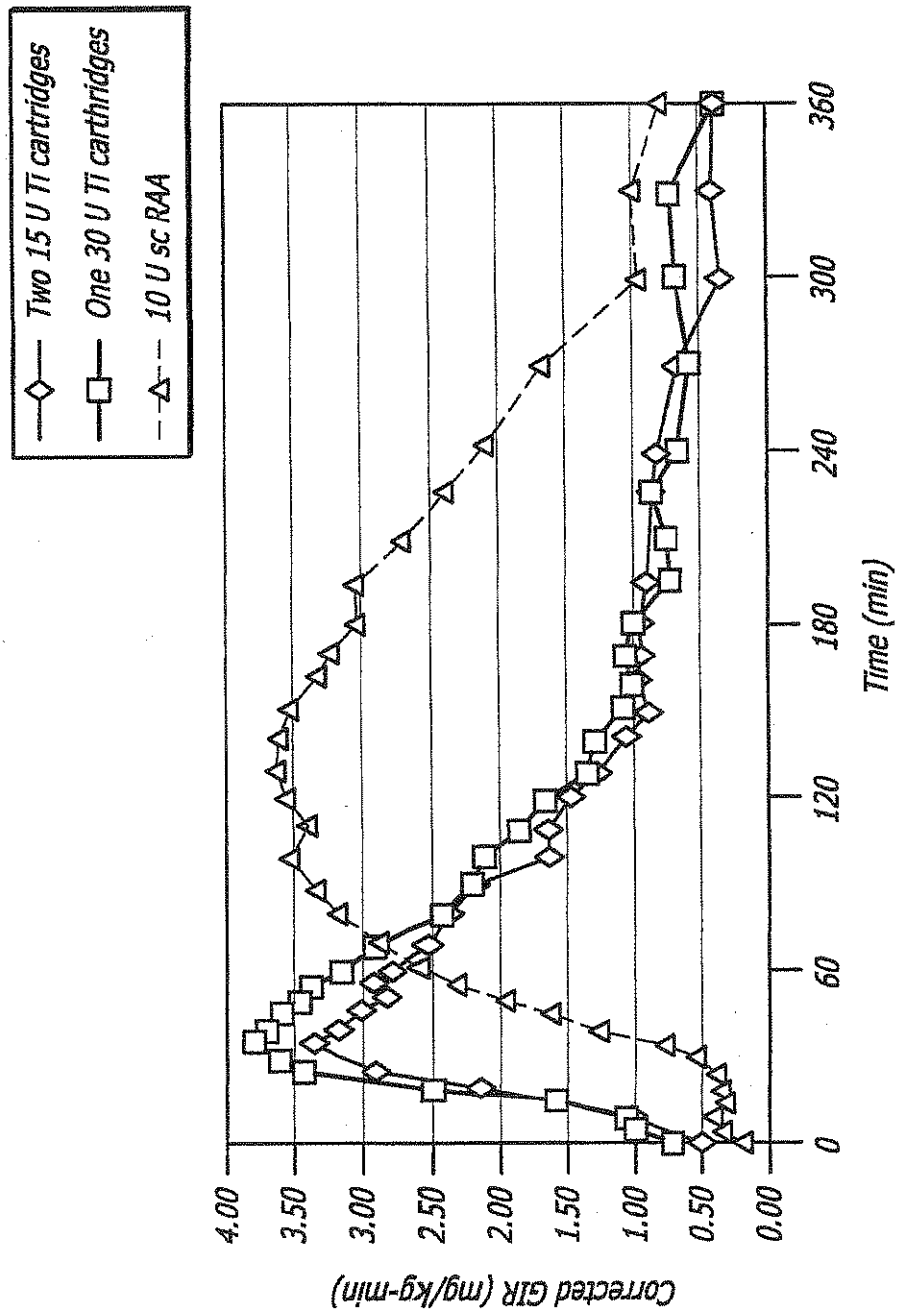

Two 15 U Ti cartridges
One 30 U Ti carthridges
10 U sc RAA
Corrected GIR (mg/kg-min)
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
0
60
120
180
240
300
360
Time (min)

FIG. 19

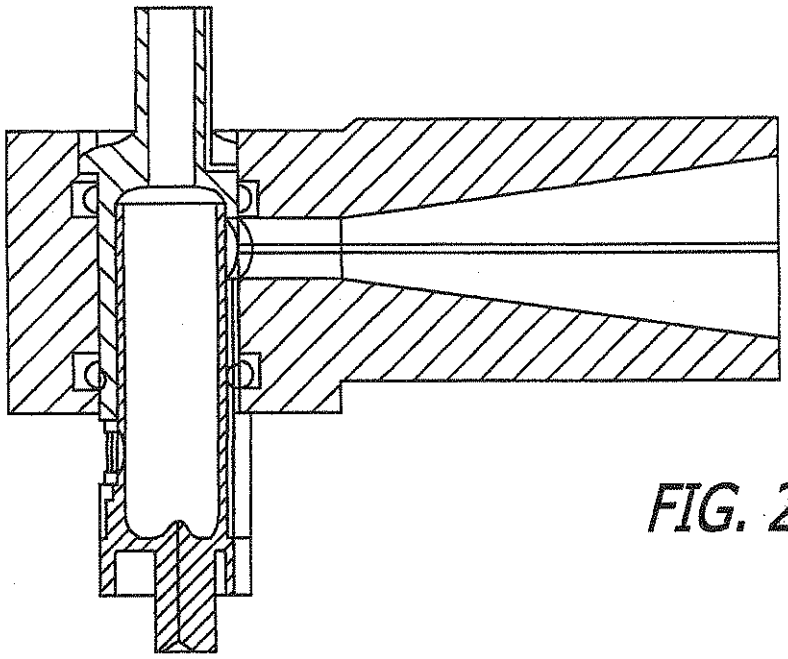


FIG. 20A

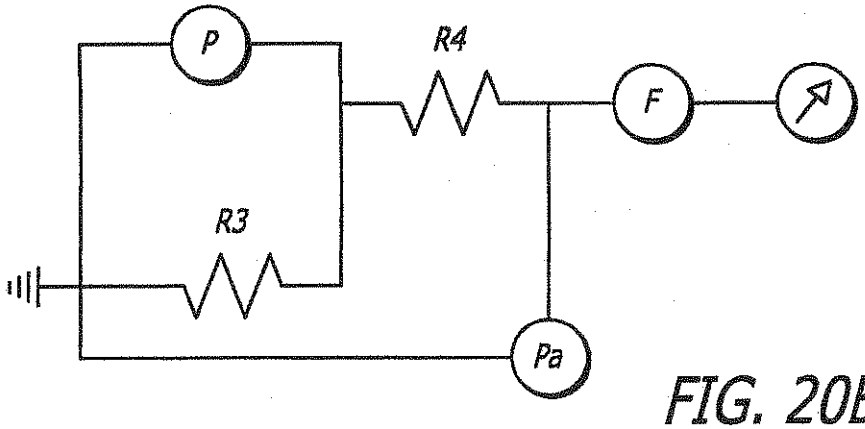


FIG. 20B

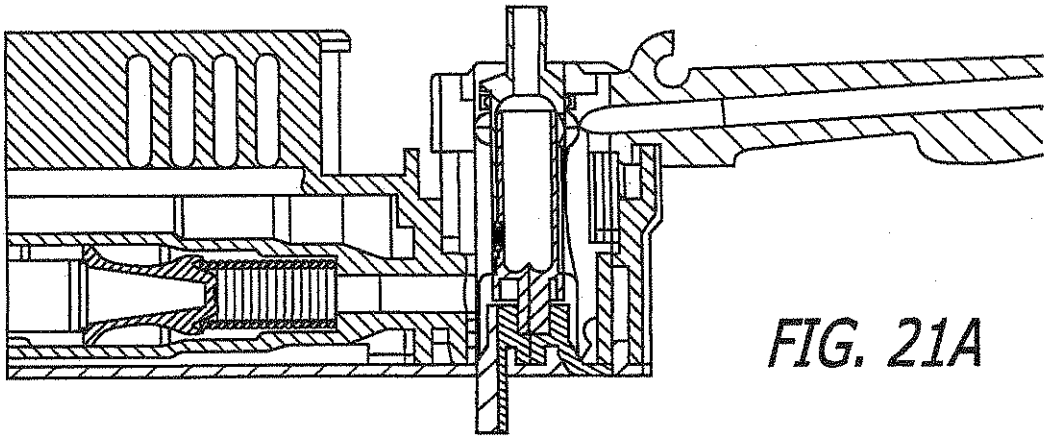


FIG. 21A

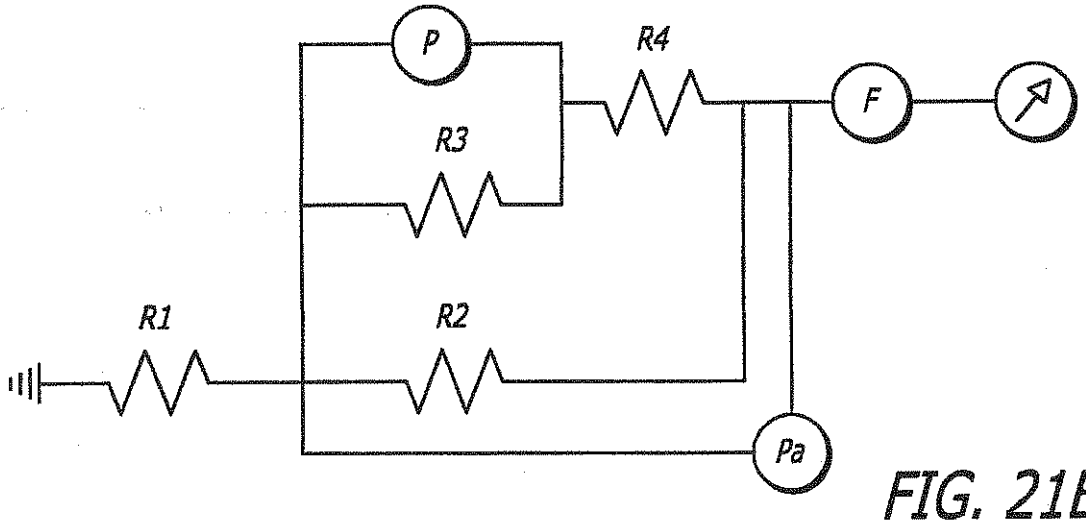


FIG. 21B

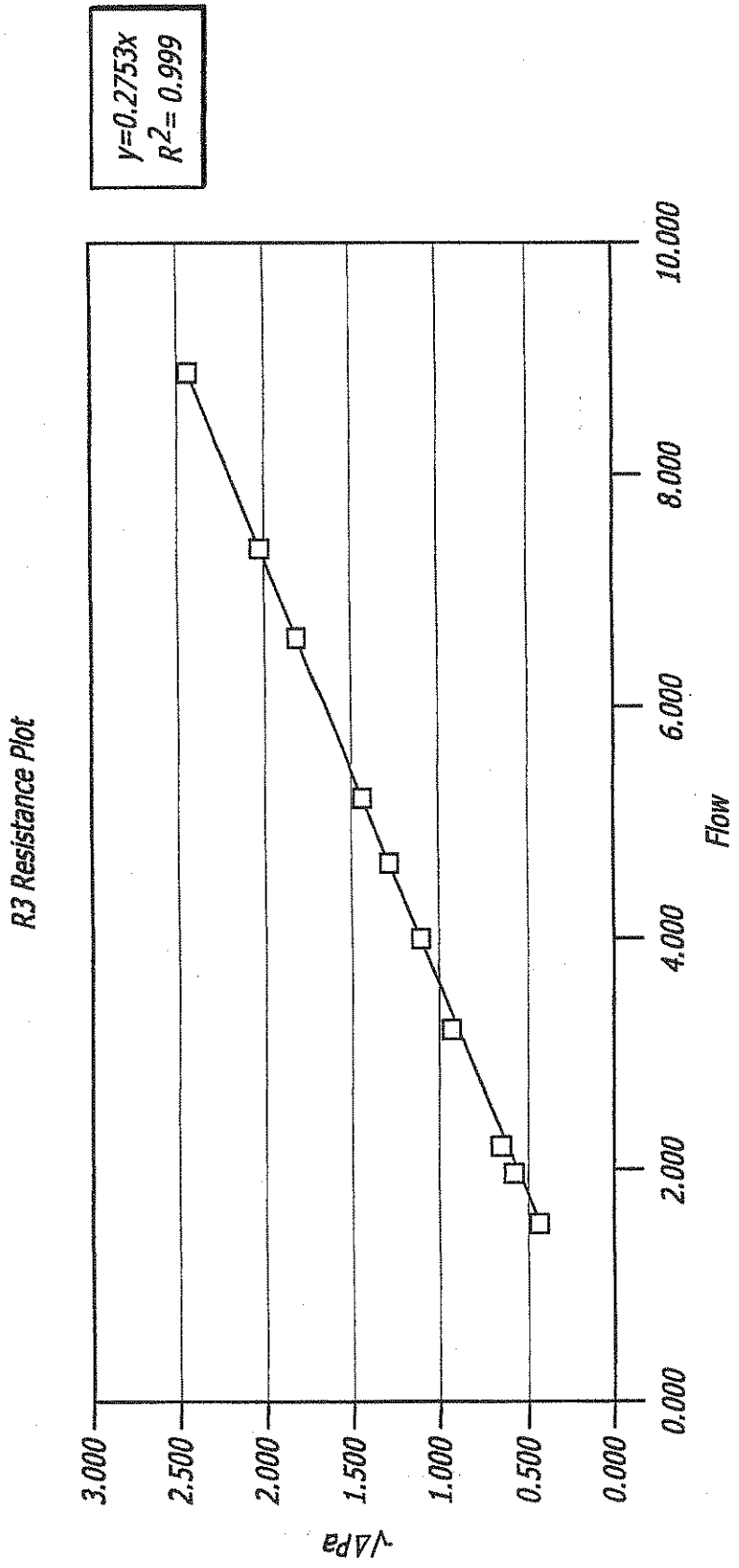

R3 Resistance Plot
y=0.2753x
R2= 0.999
√ΔPa
Flow
3.000
2.500
2.000
1.500
1.000
0.500
0.000
0.000
2.000
4.000
6.000
8.000
10.000

FIG. 22