FIG. 1

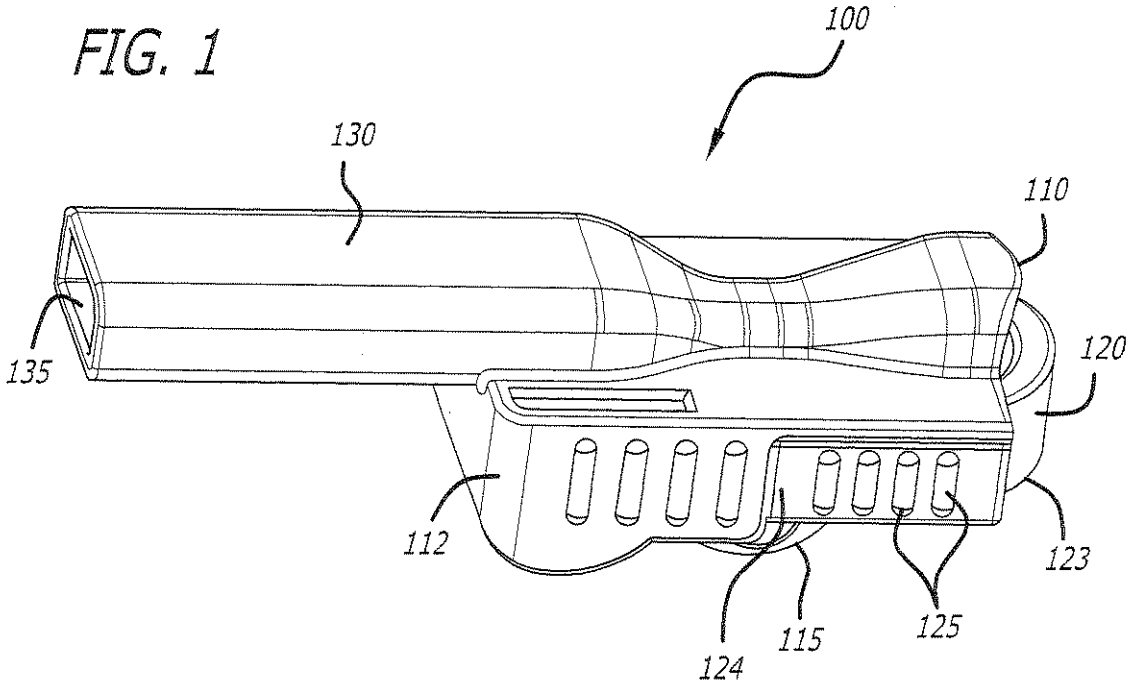
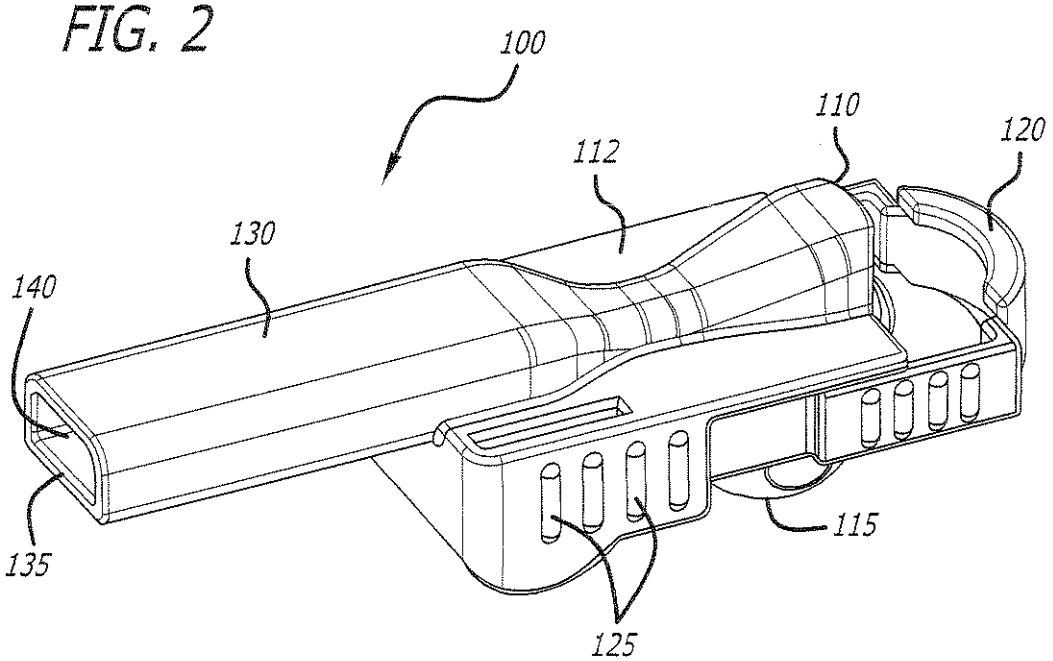

100
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FIG. 2


100
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125

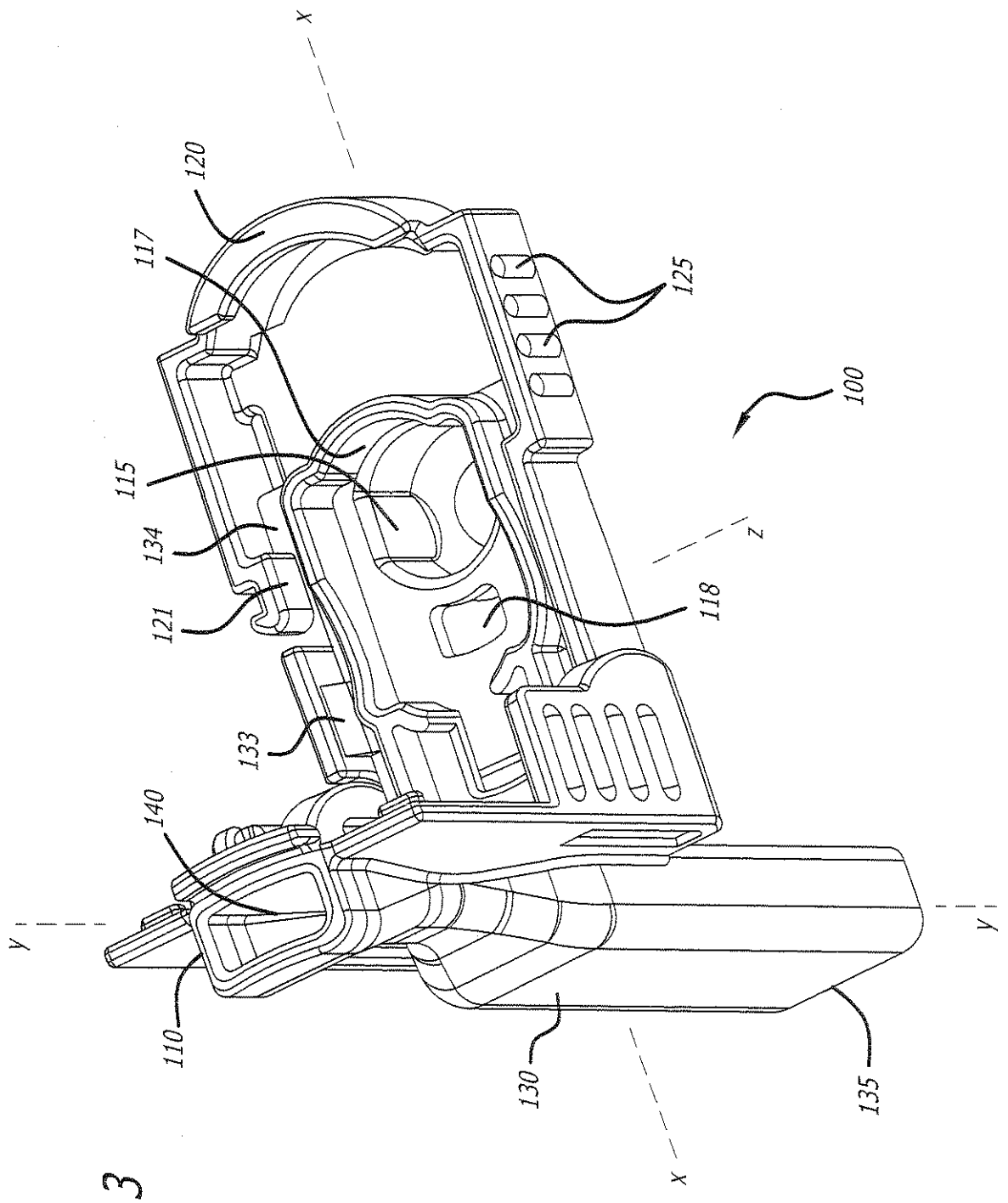
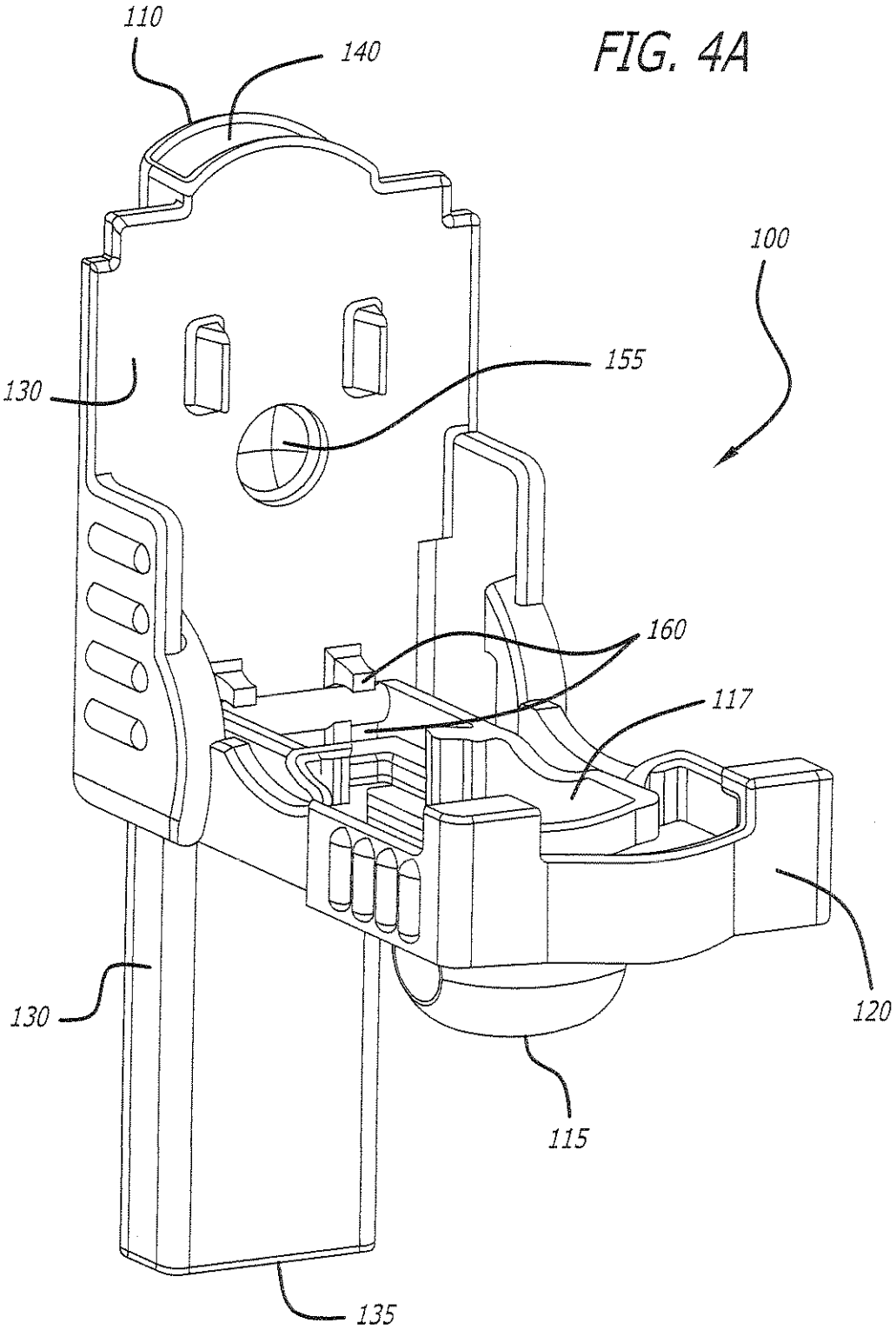


FIG. 3

FIG. 4A



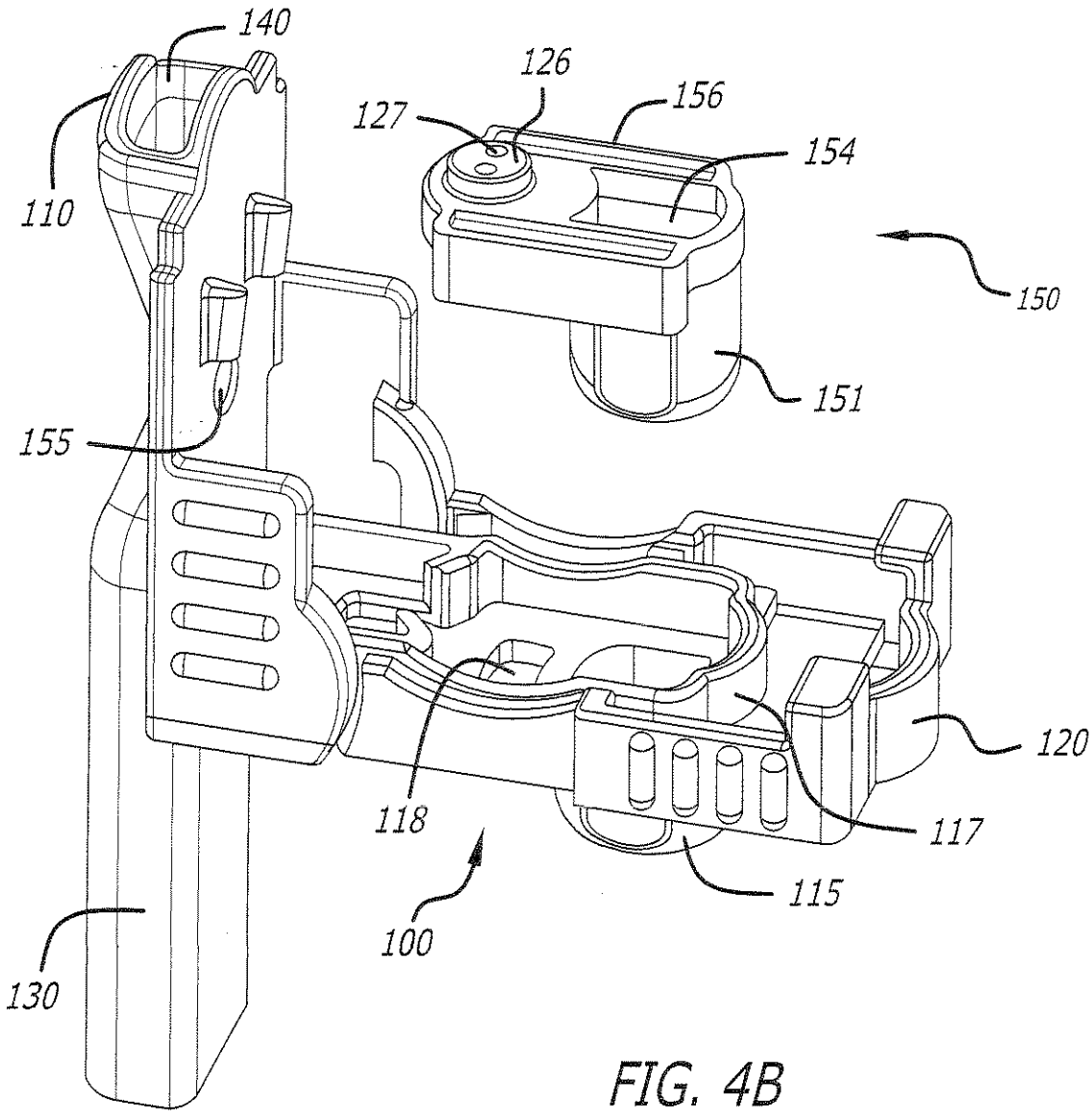


FIG. 4B

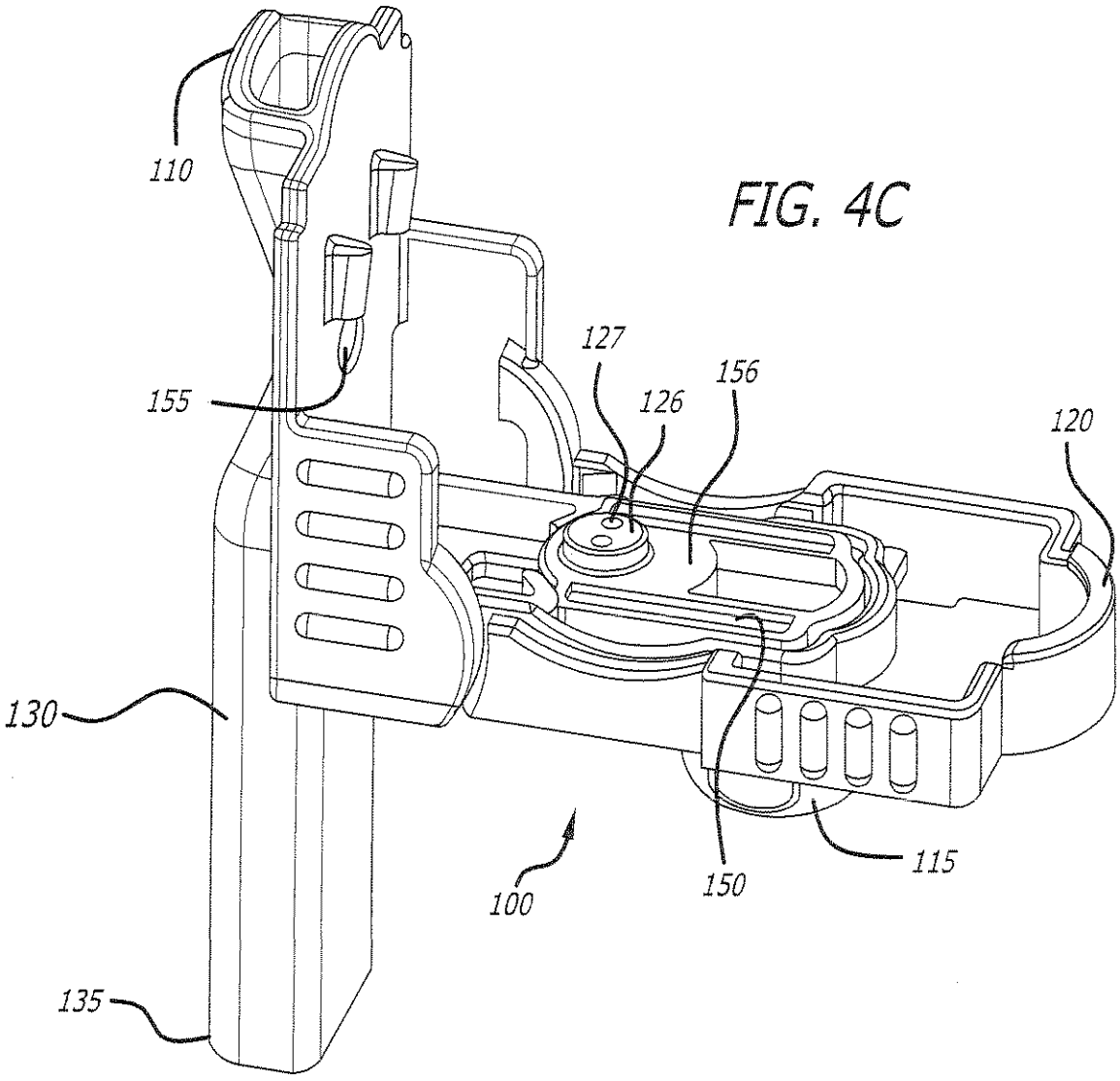


FIG. 4C

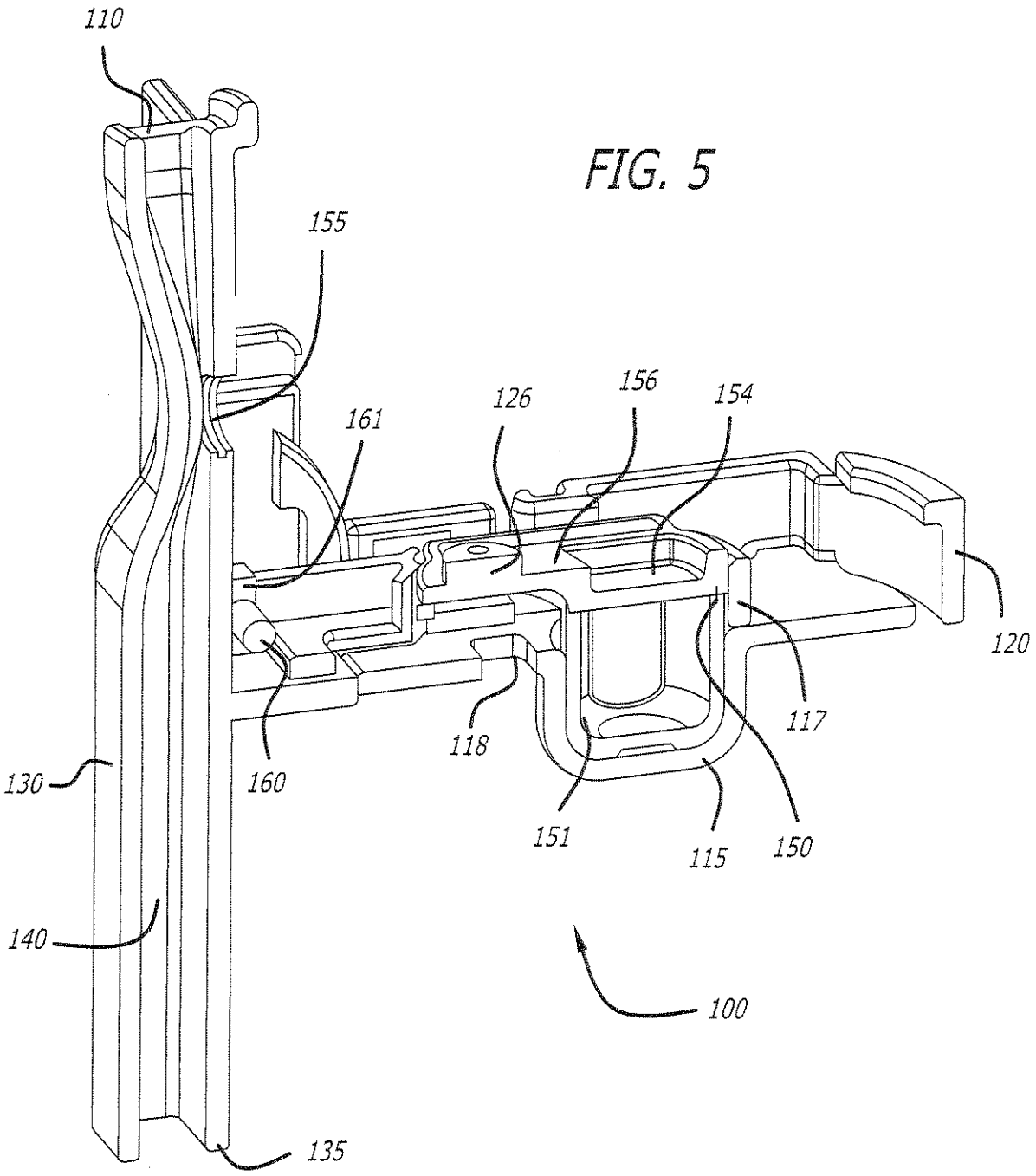
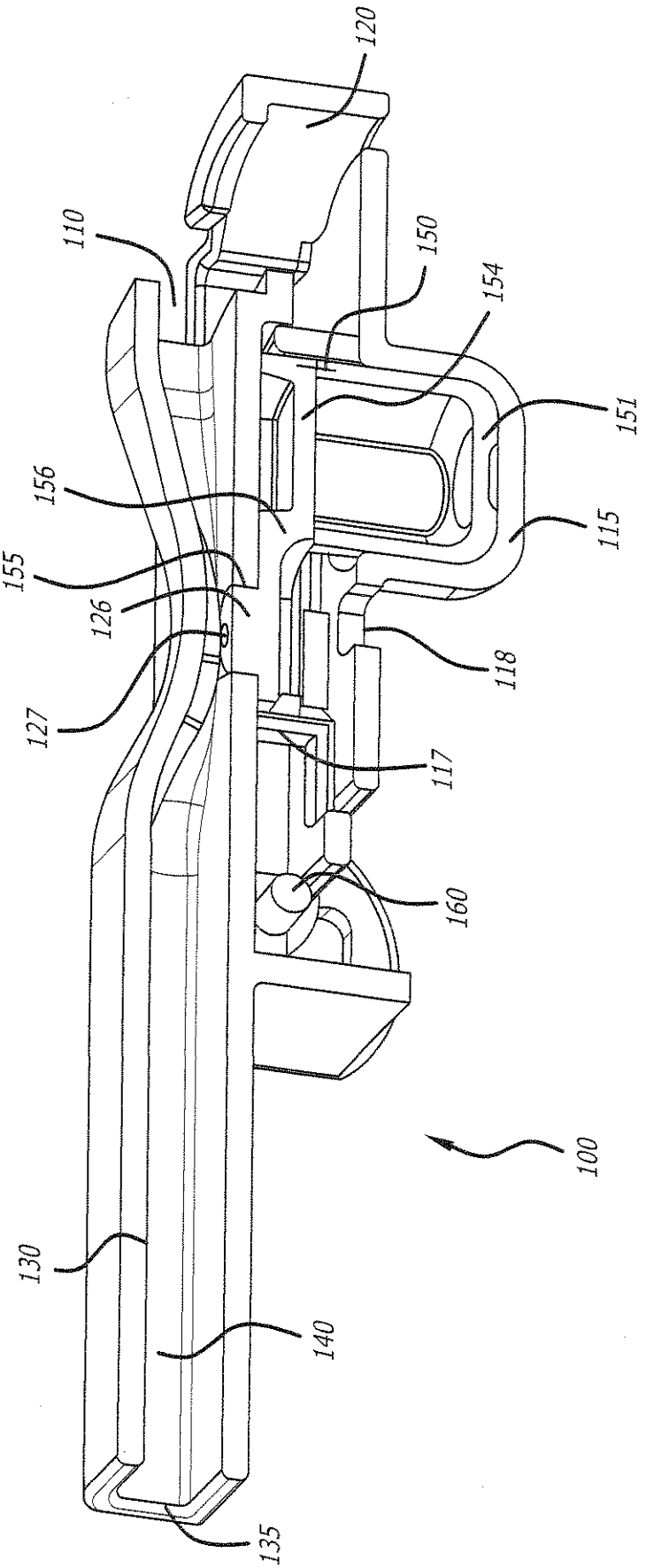

110
155
161
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120
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100
135

FIG. 5

FIG. 6


120
110
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100
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140
135

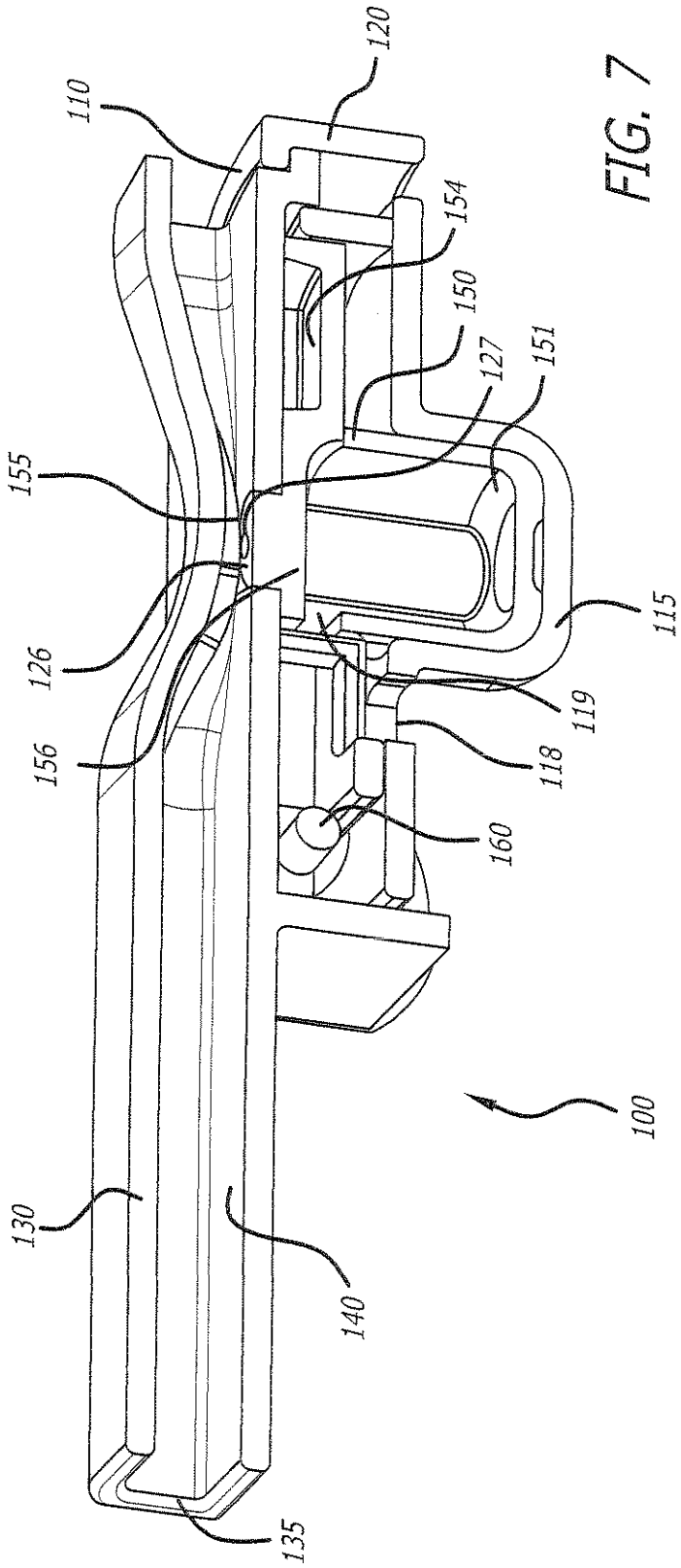

120
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FIG. 7

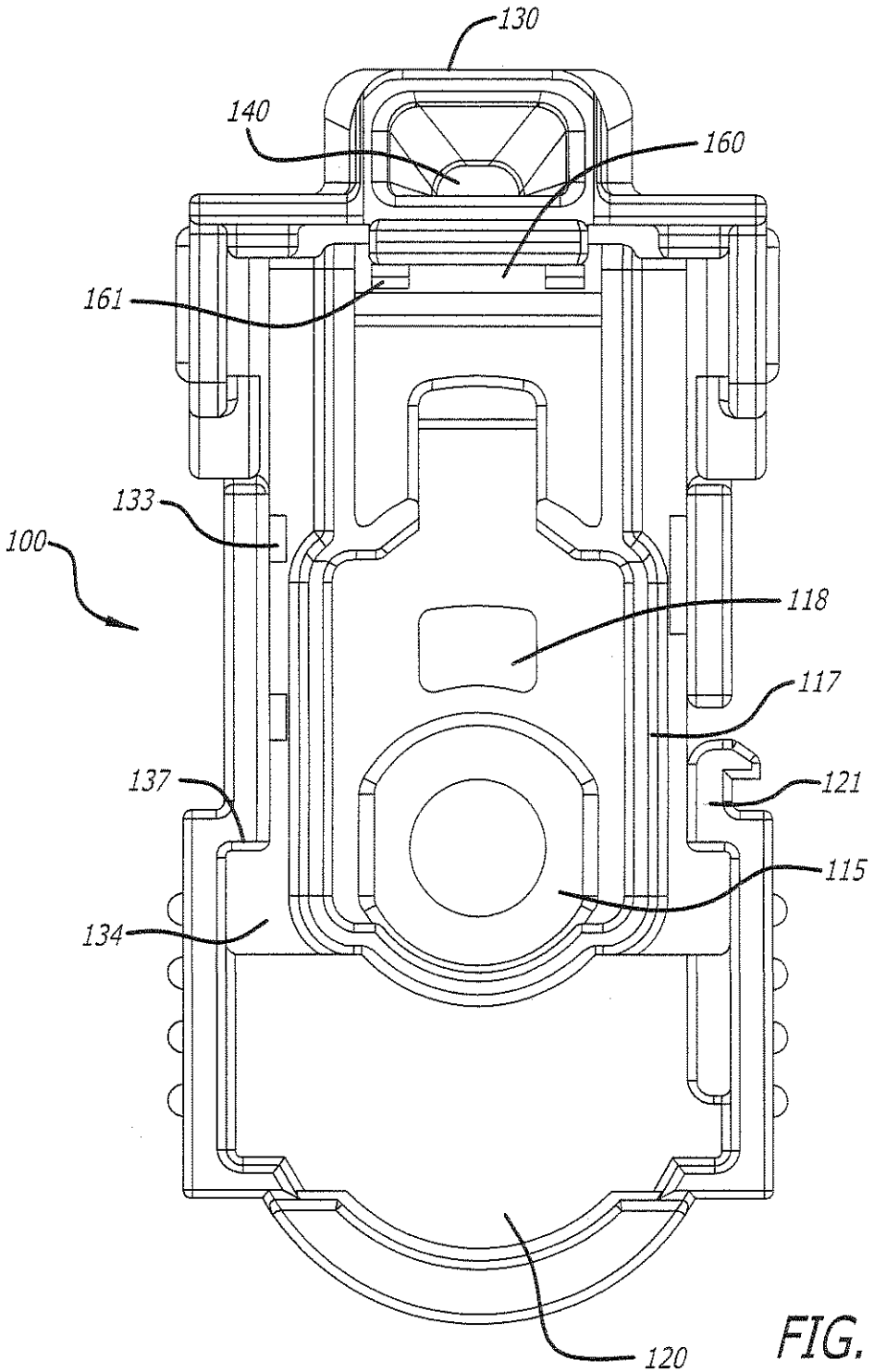


FIG. 8

FIG. 9

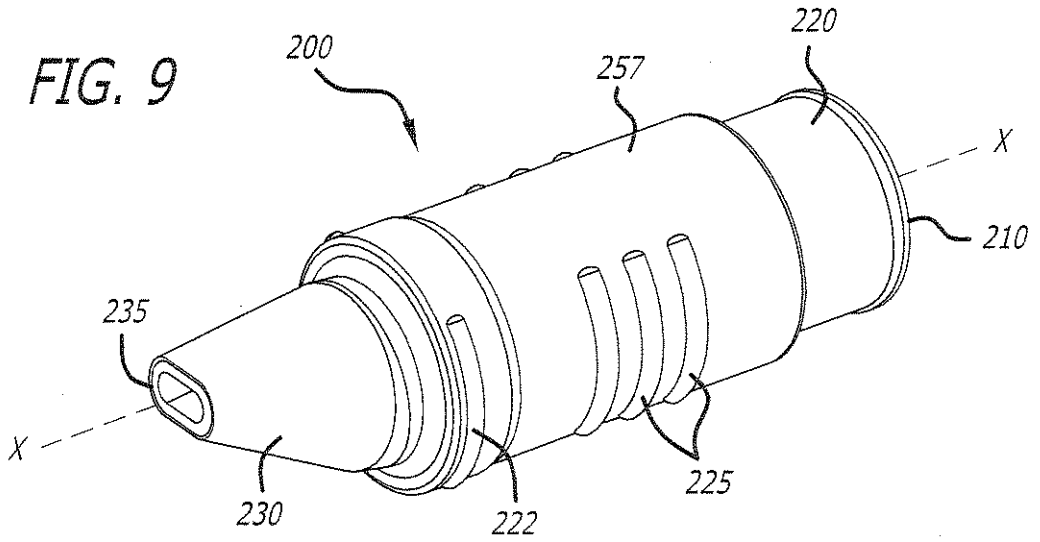

200
257
220
X
210
235
X
230
222
225

FIG. 10

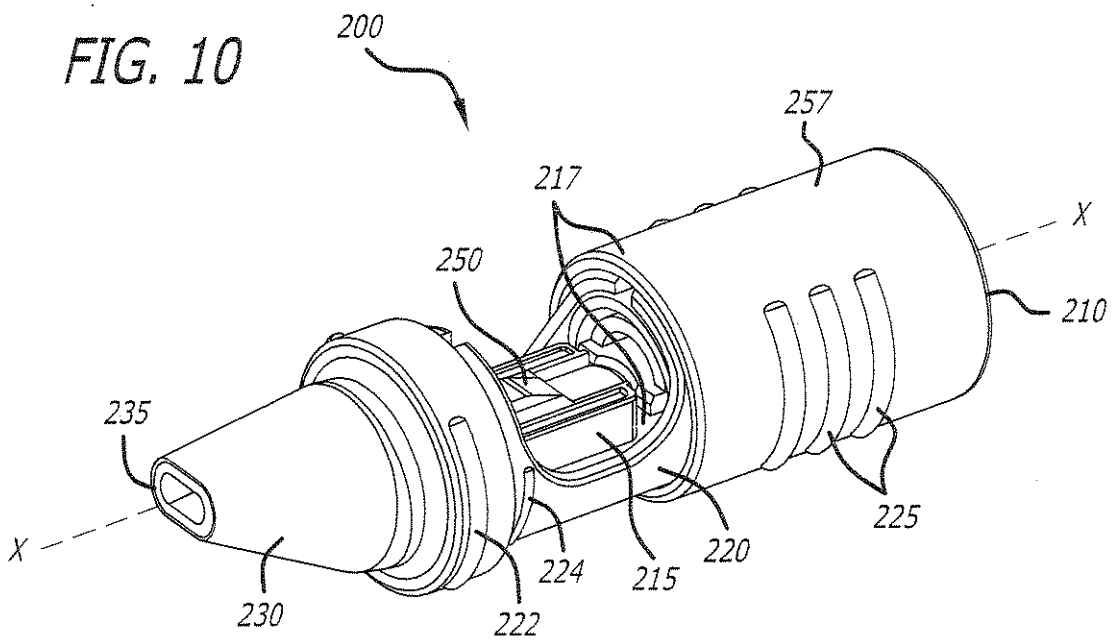

200
257
217
X
250
210
235
225
X
224
215
220
230
222

FIG. 11A

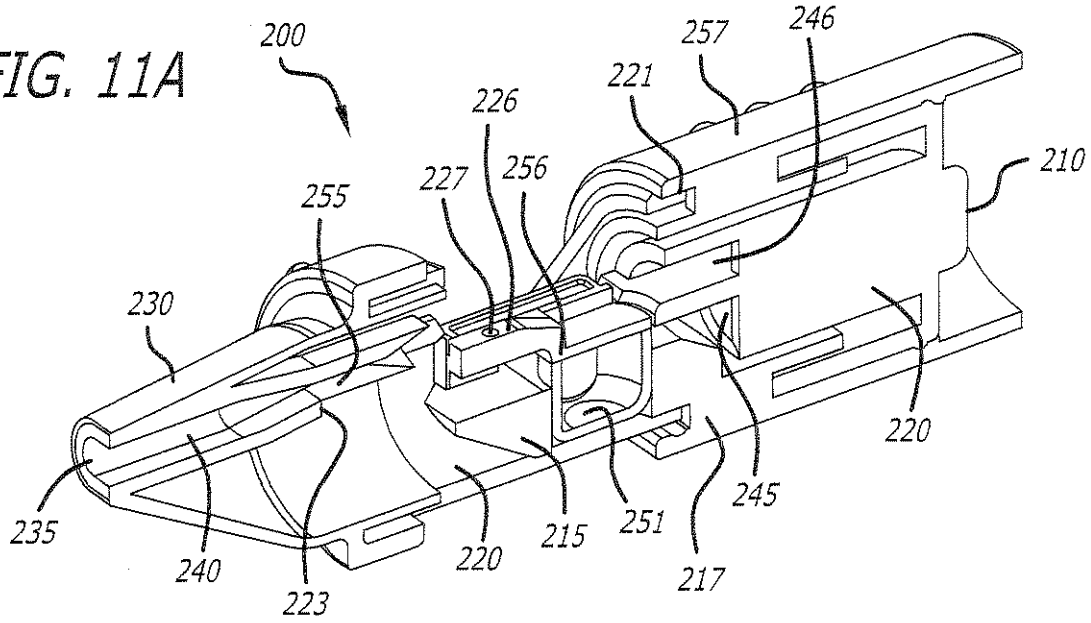
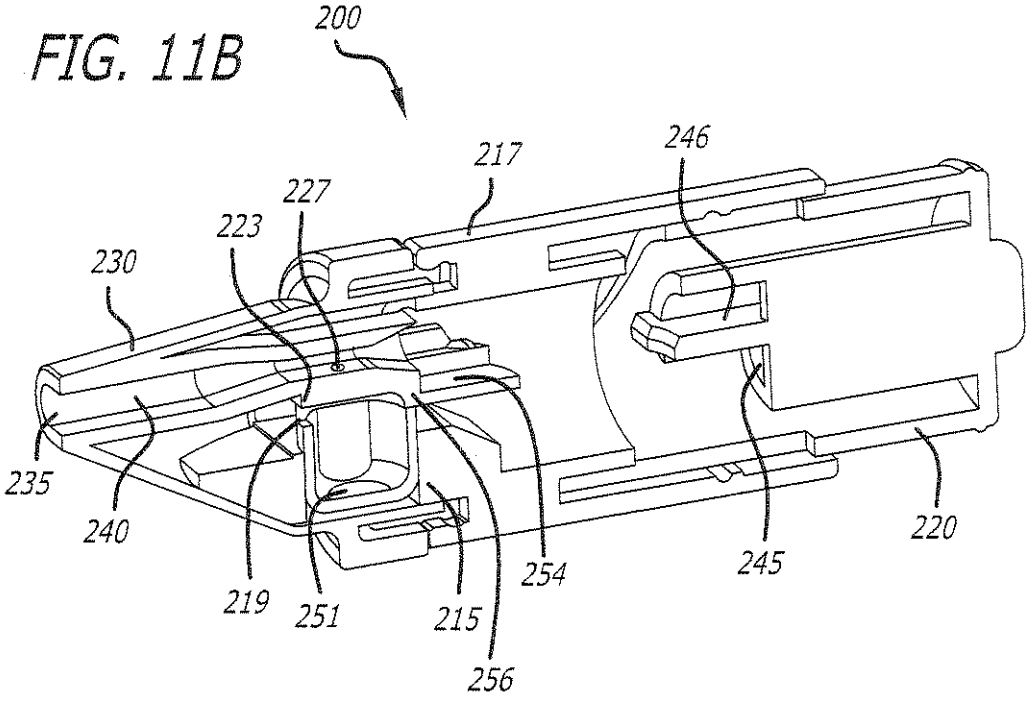


FIG. 11B



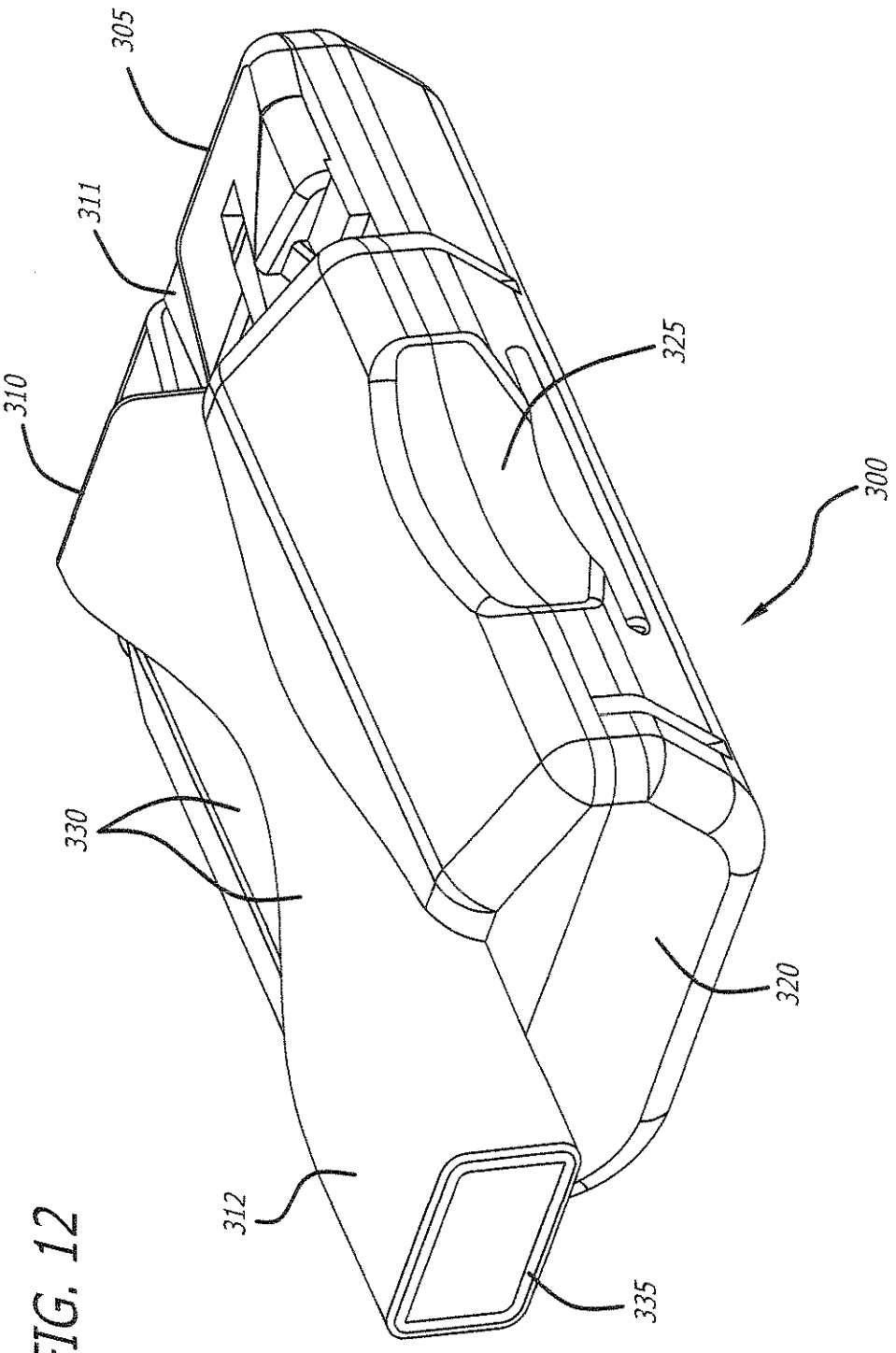


FIG. 12

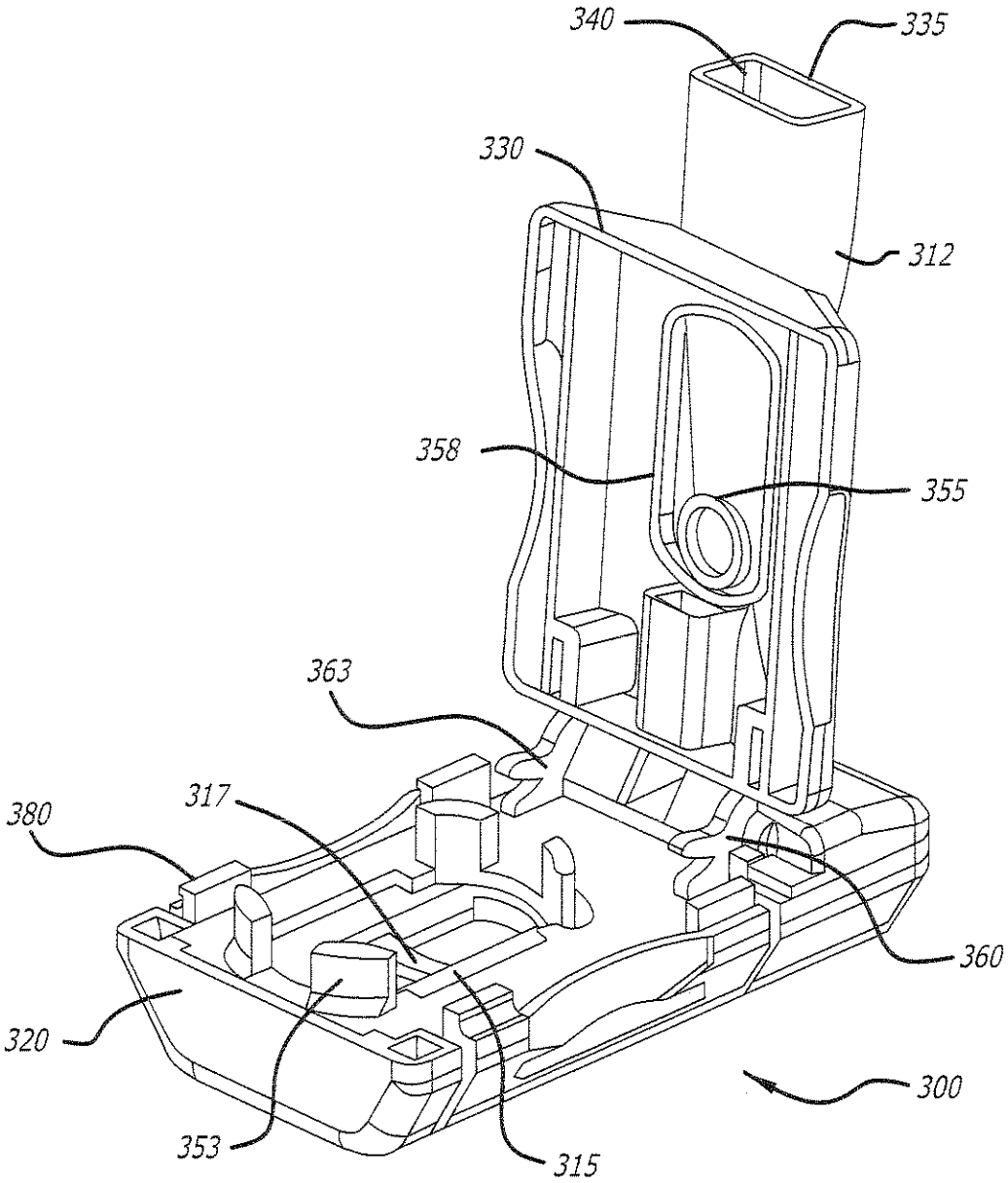


FIG. 13

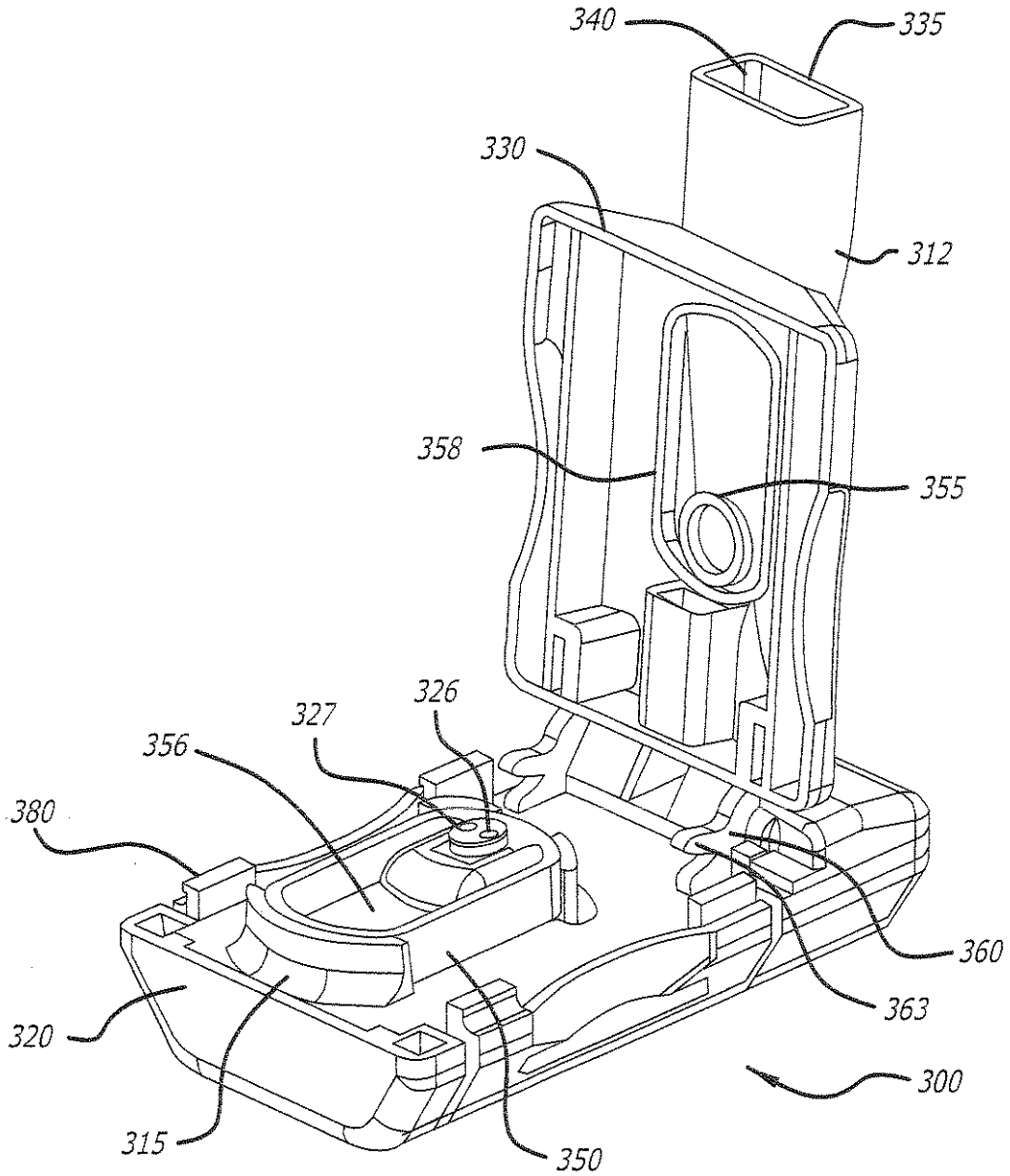


FIG. 14

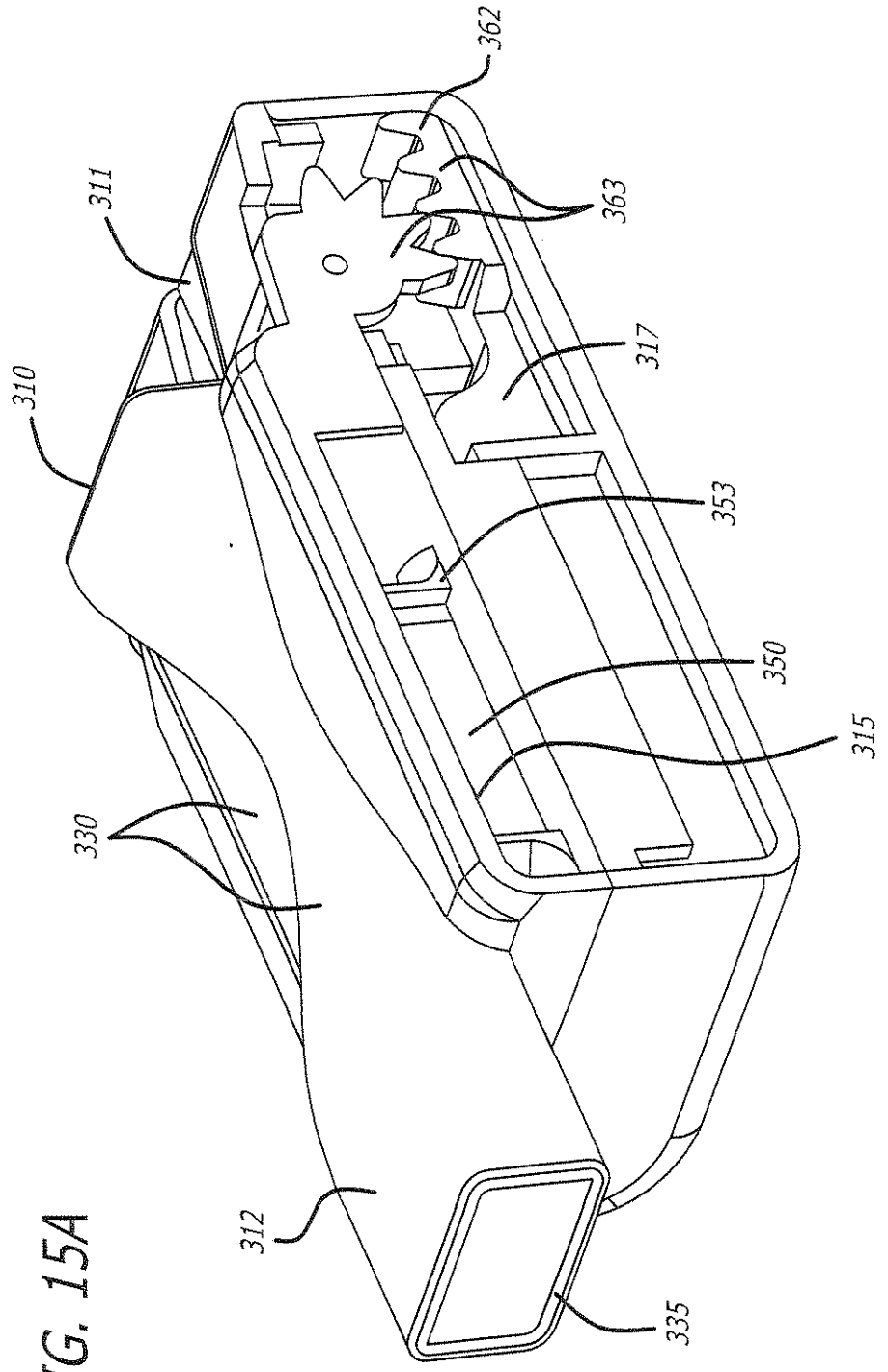


FIG. 15A

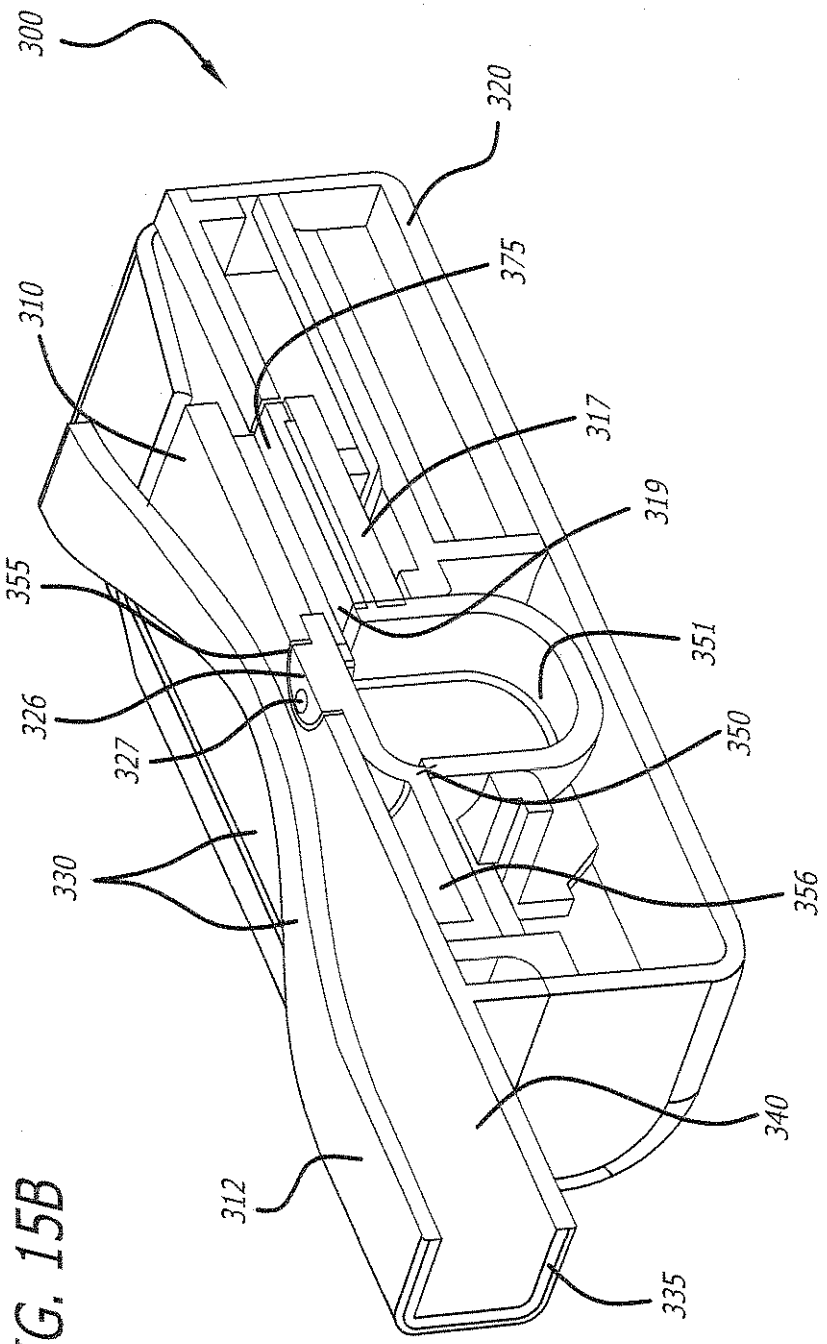


FIG. 15B

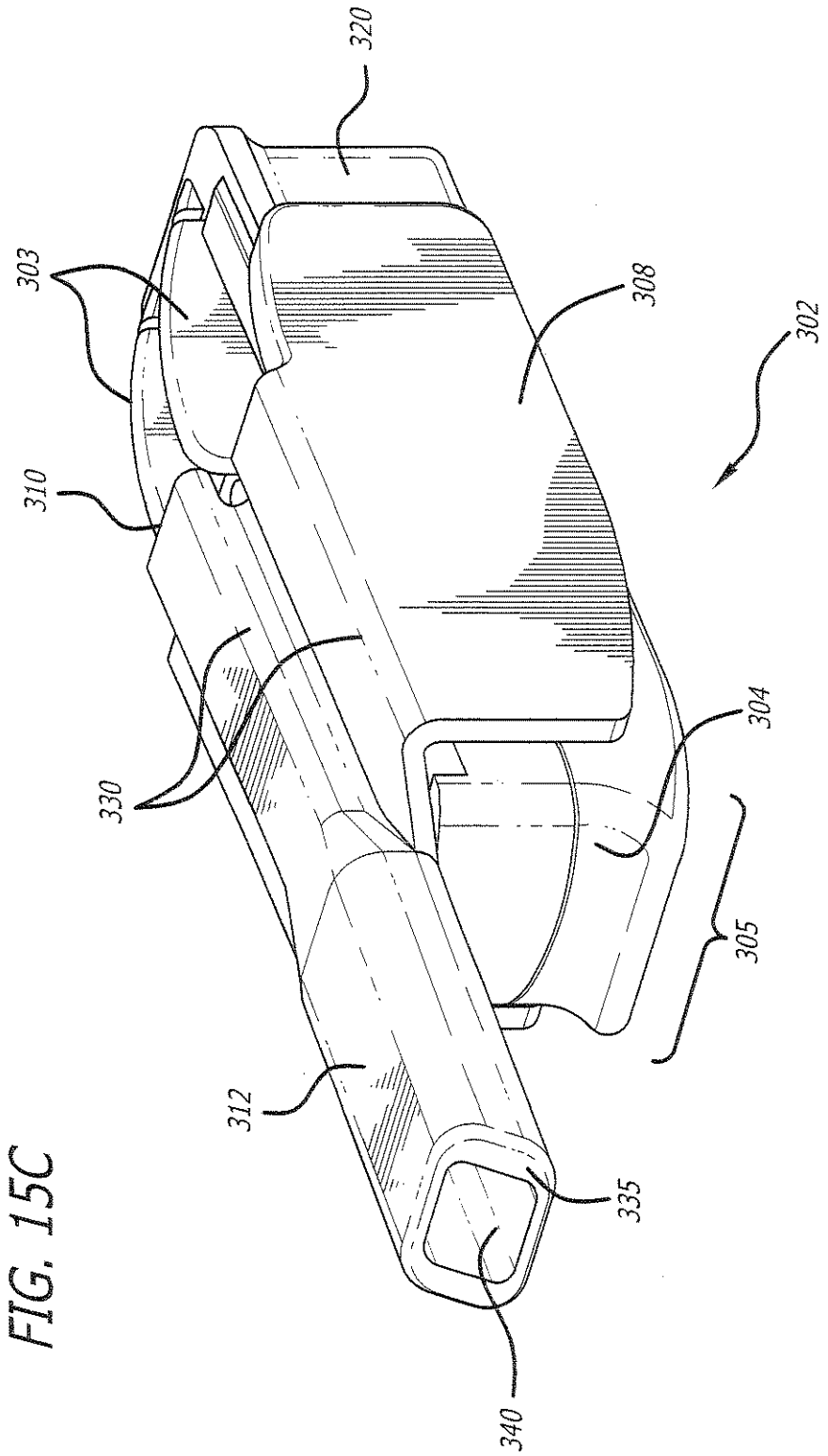


FIG. 15C

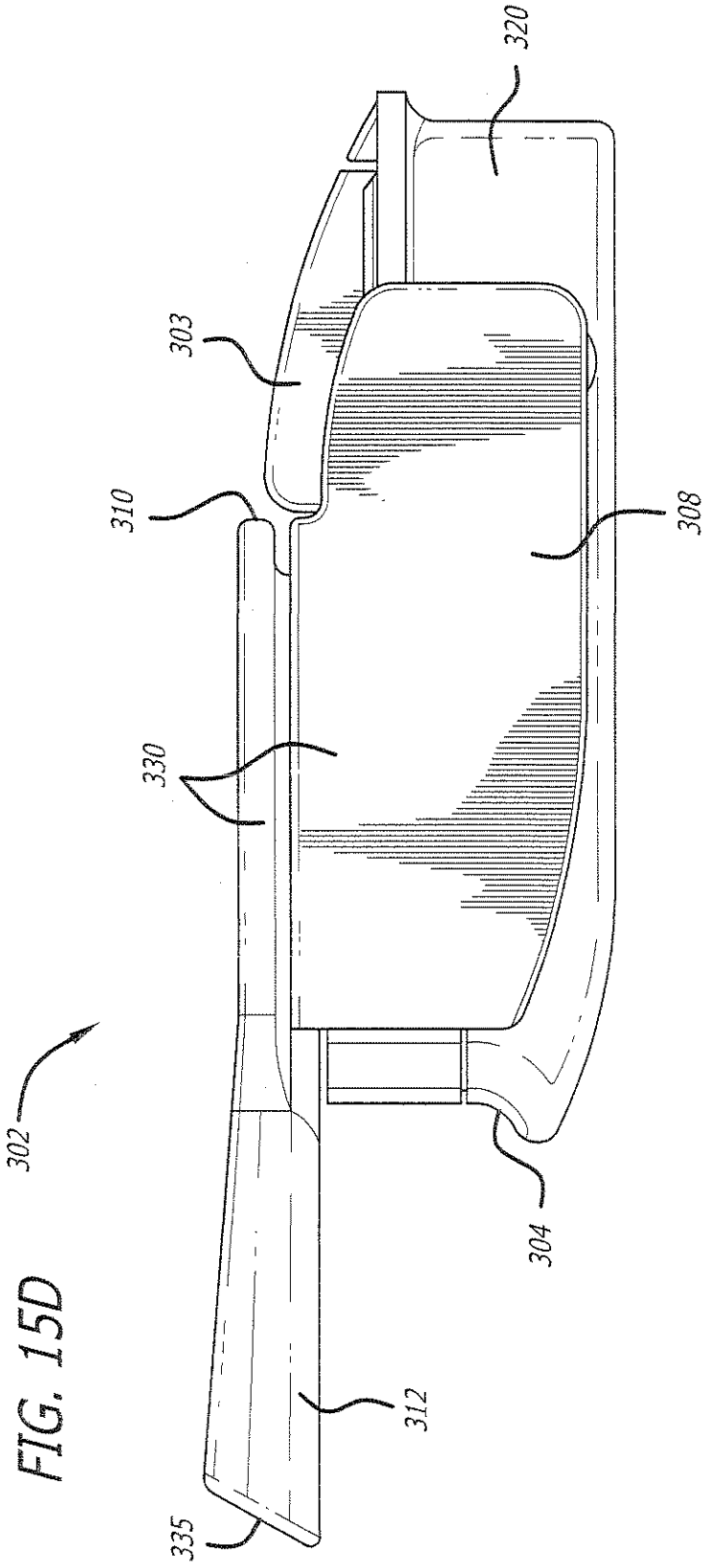


FIG. 15D

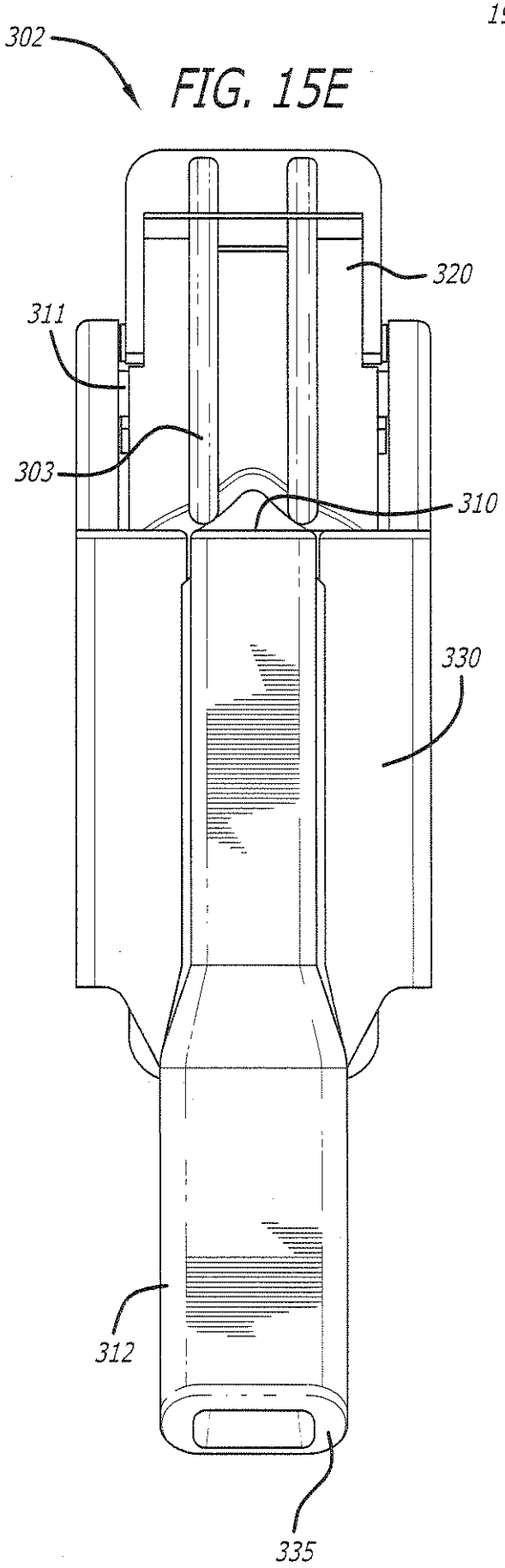


FIG. 15E

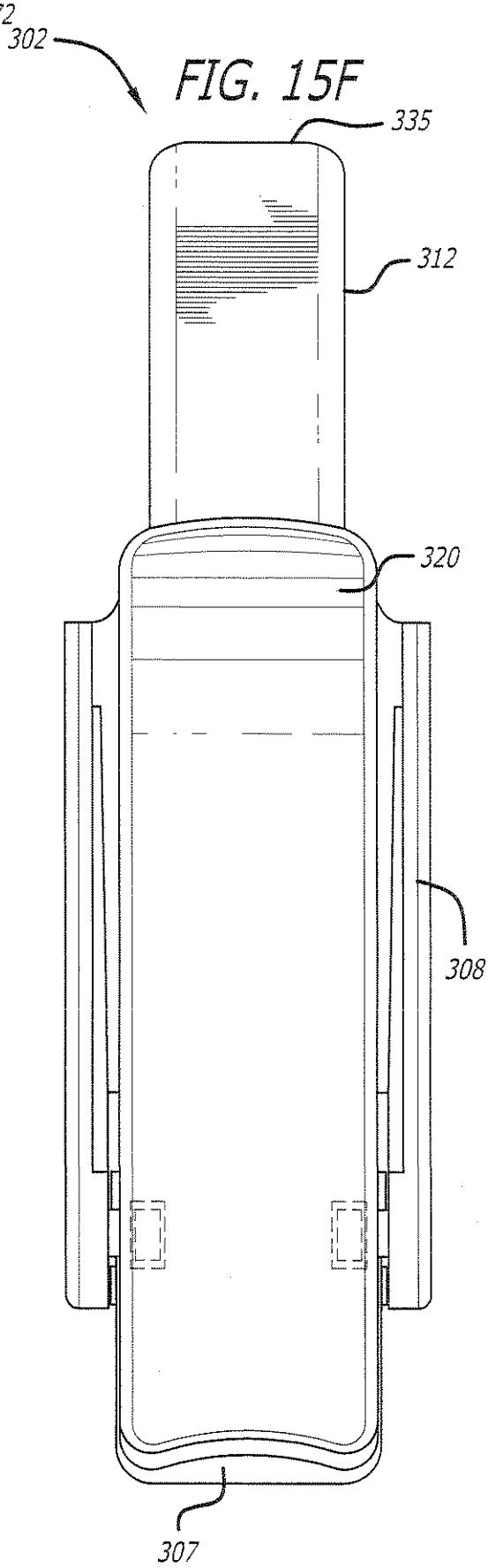


FIG. 15F

FIG. 15G

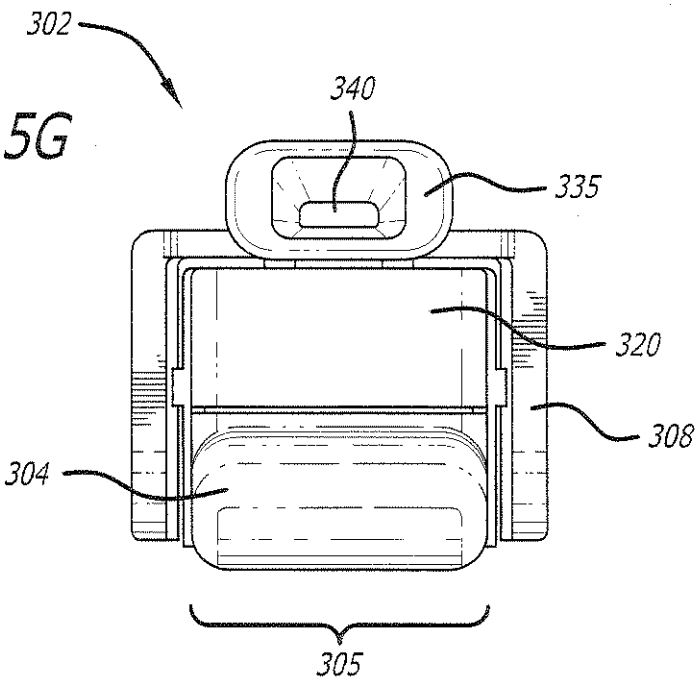
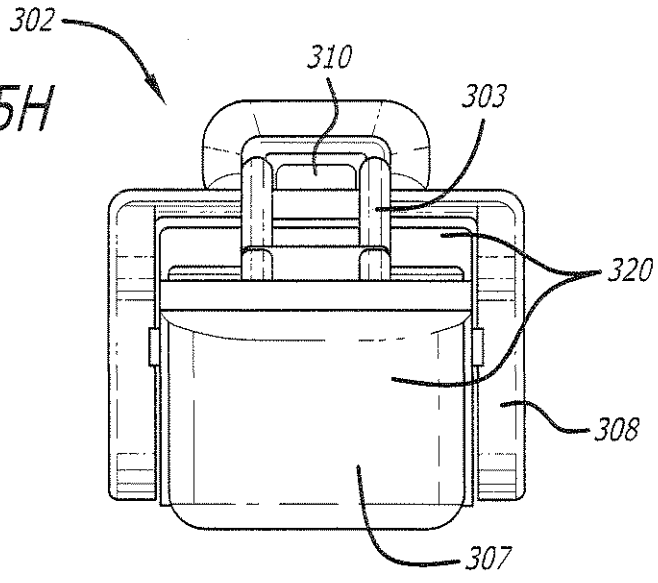


FIG. 15H



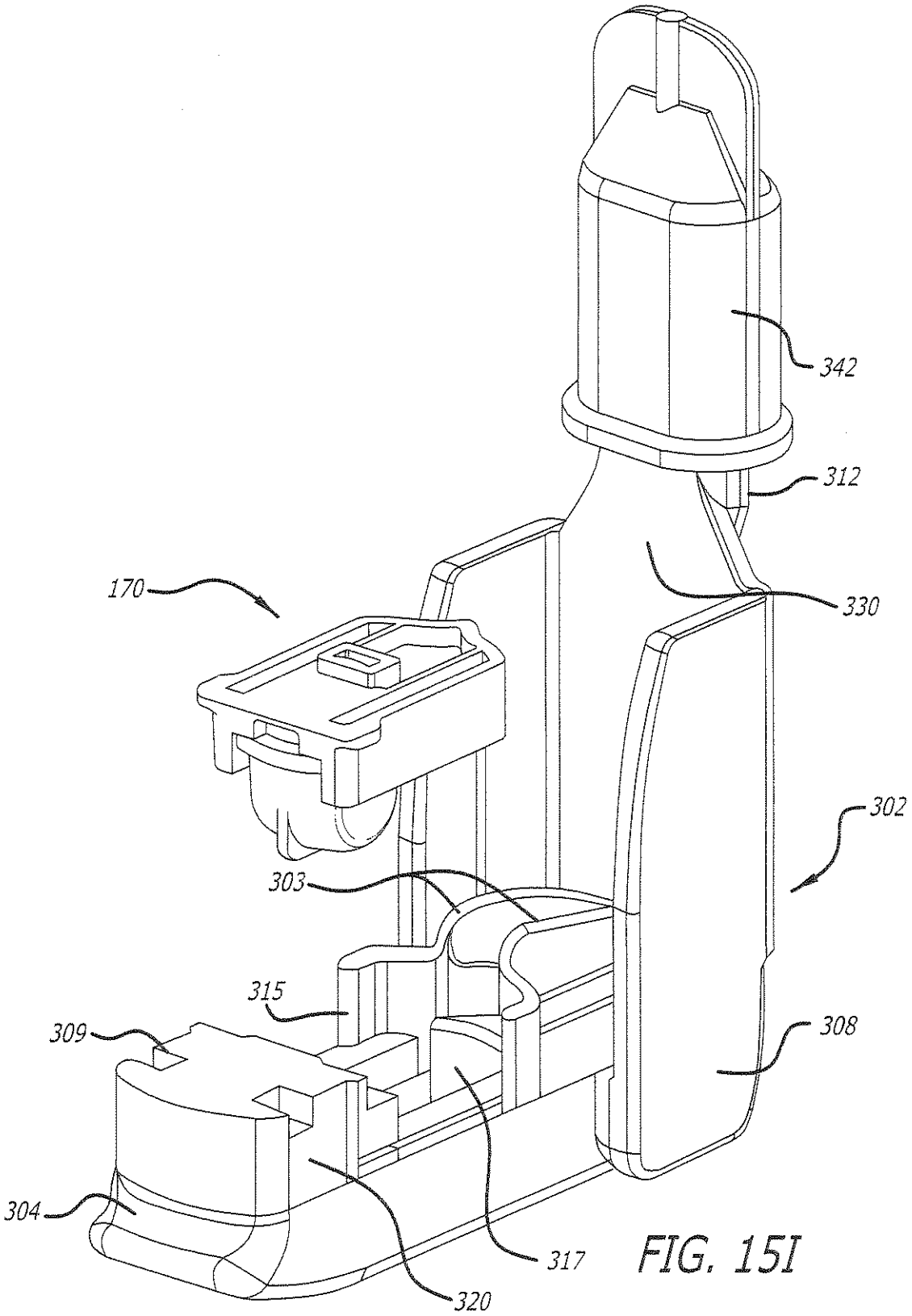
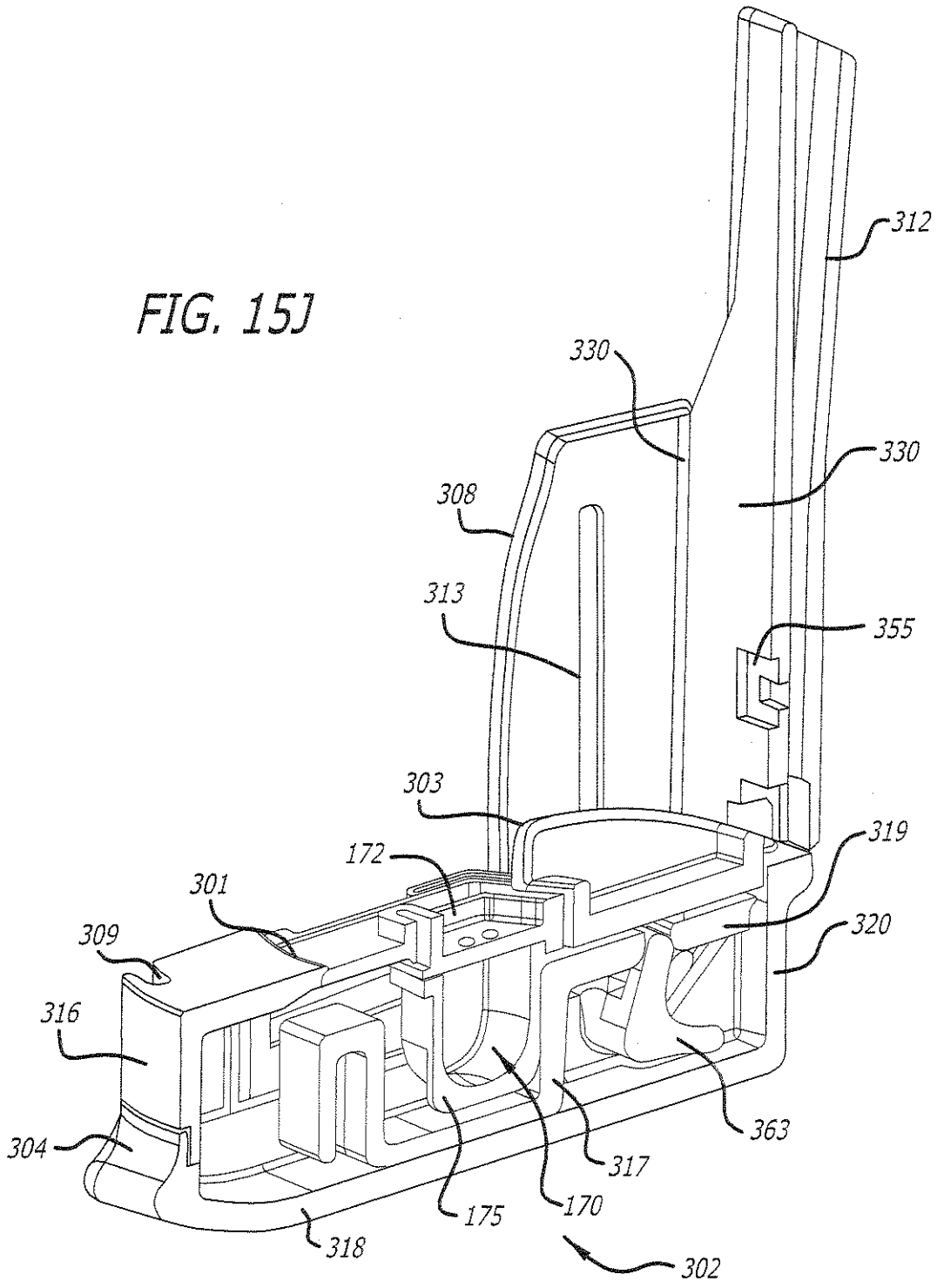


FIG. 15I

FIG. 15J


312
330
330
308
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172
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363
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170
318
302

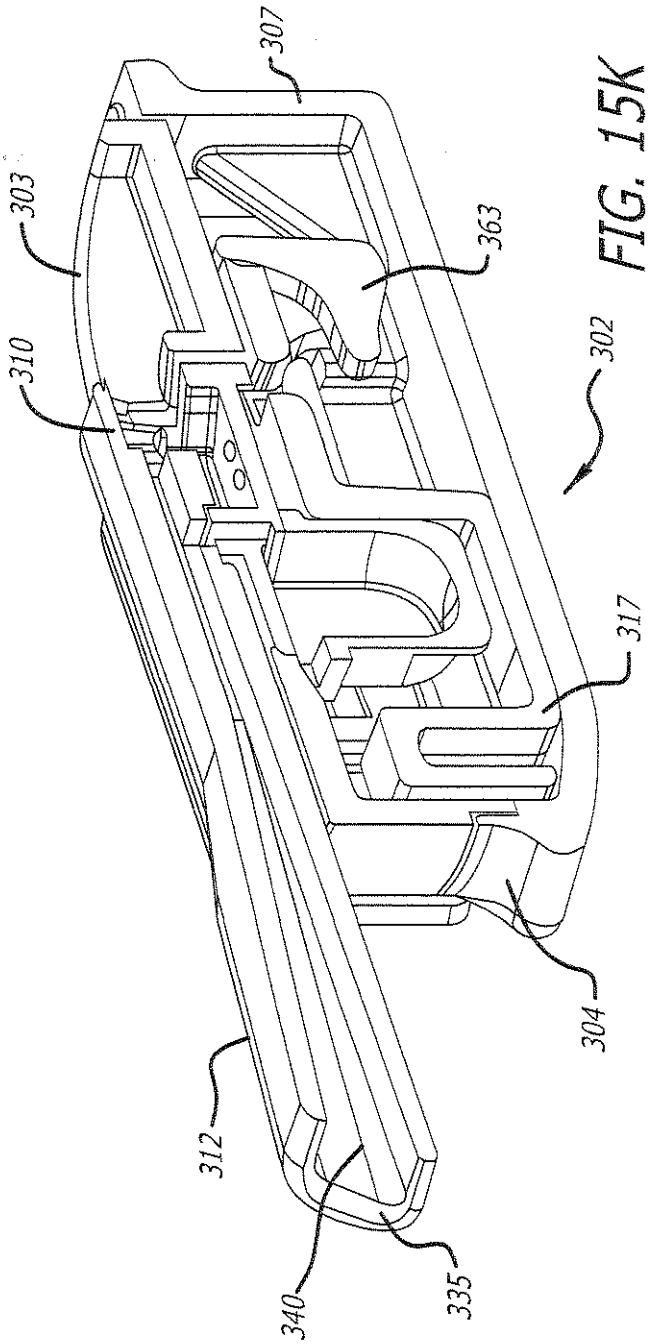


FIG. 15K

FIG. 16

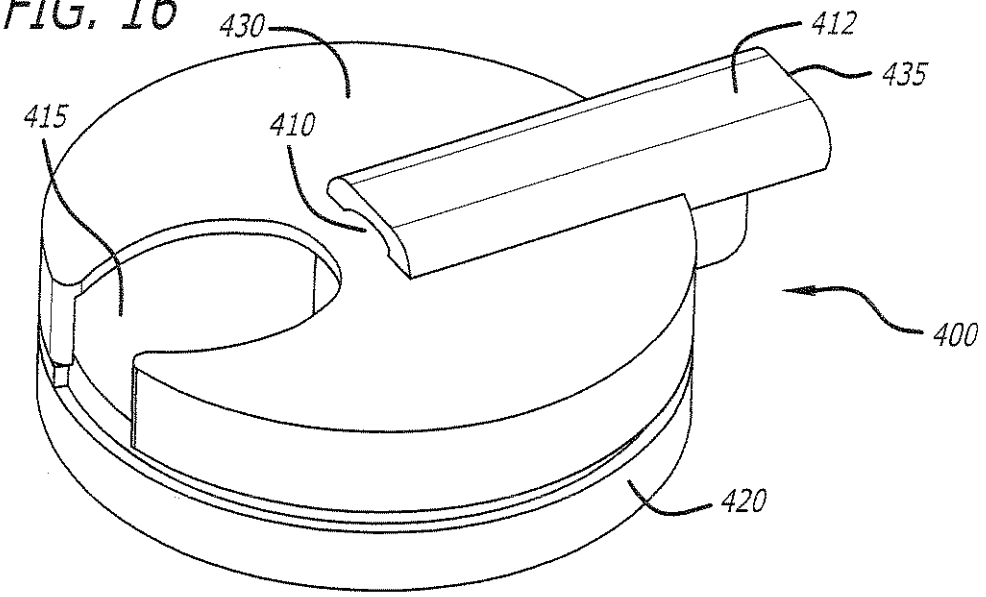


FIG. 17

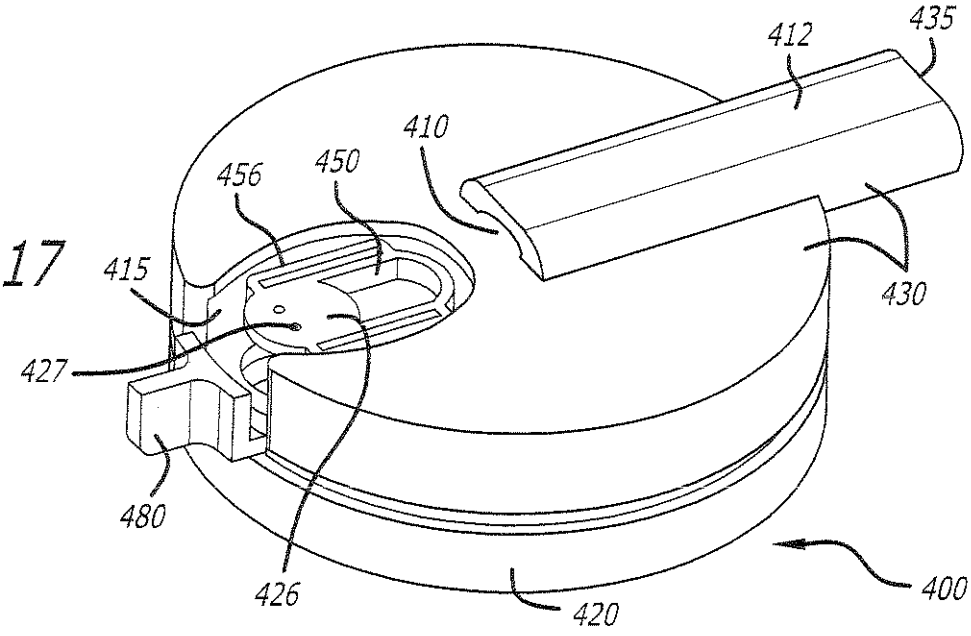


FIG. 18

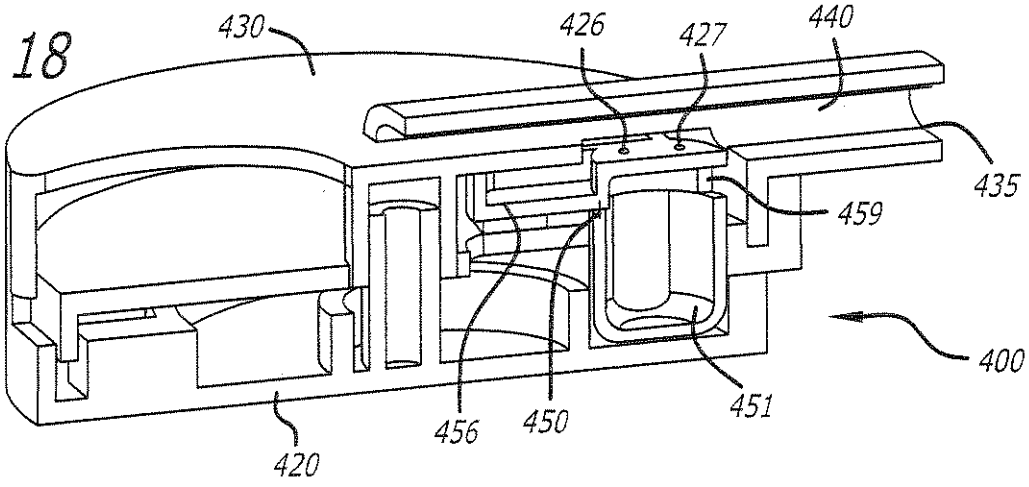


FIG. 19

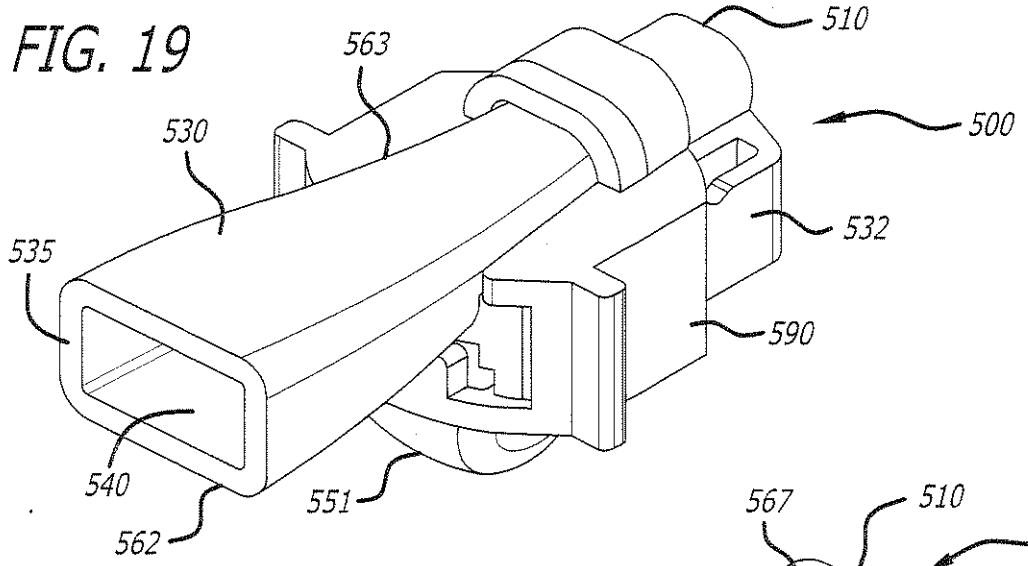


FIG. 20

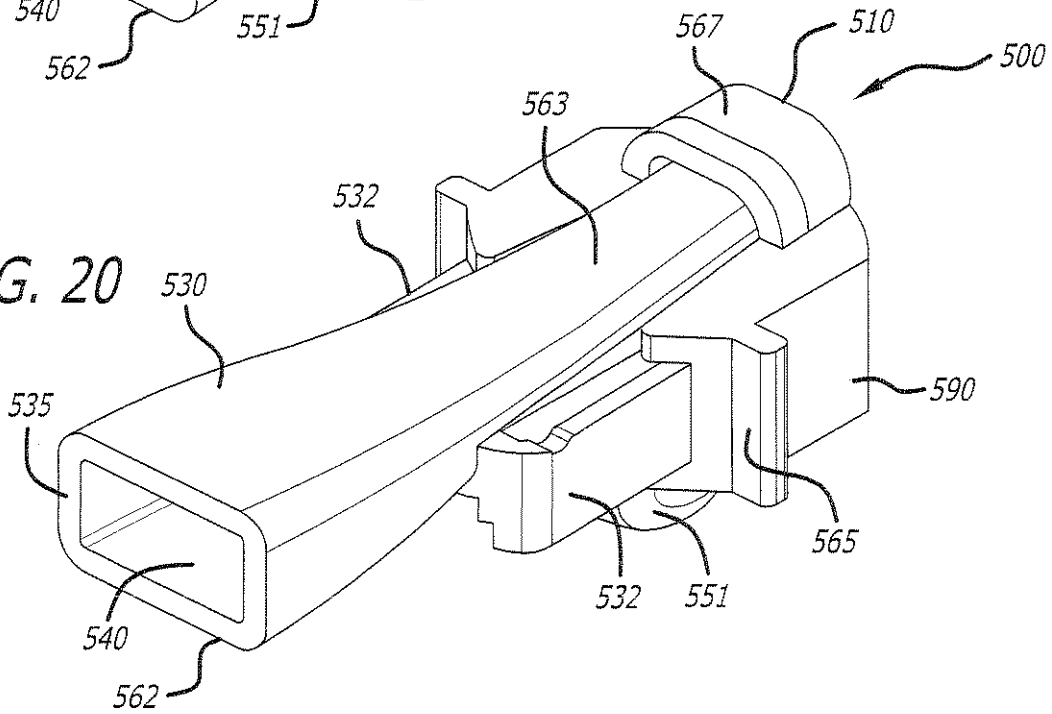


FIG. 21

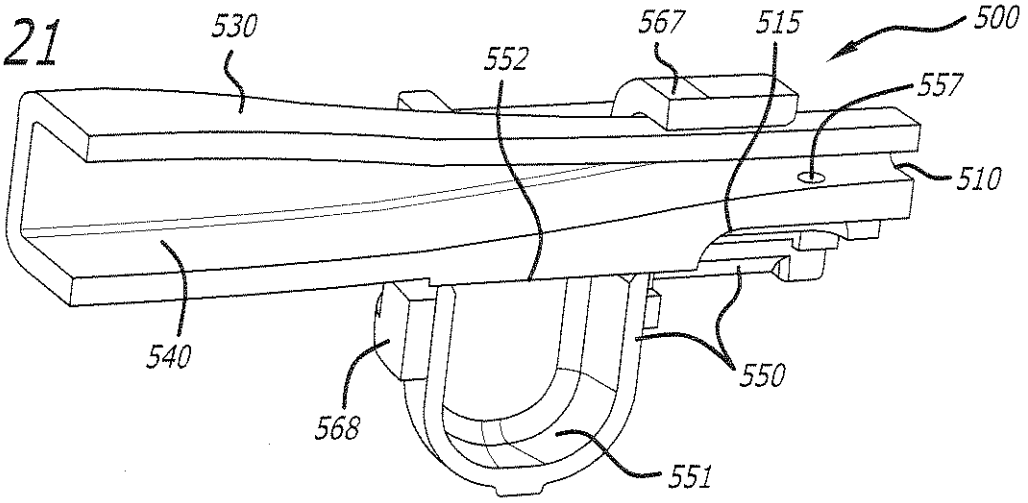


FIG. 22

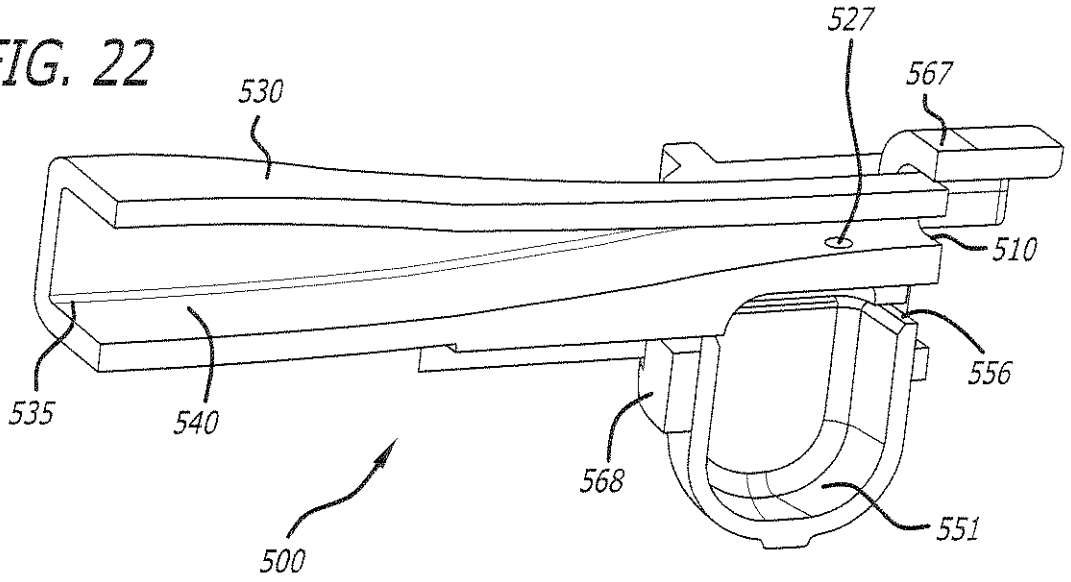

527
567
530
510
556
535
540
568
551
500

FIG. 23

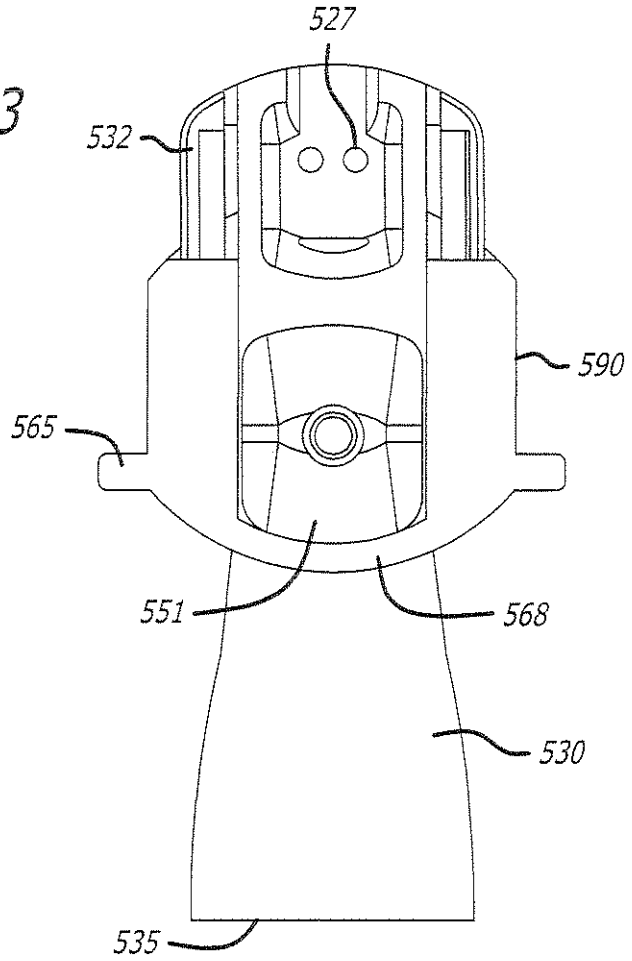

527
532
590
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551
568
530
535

FIG. 24

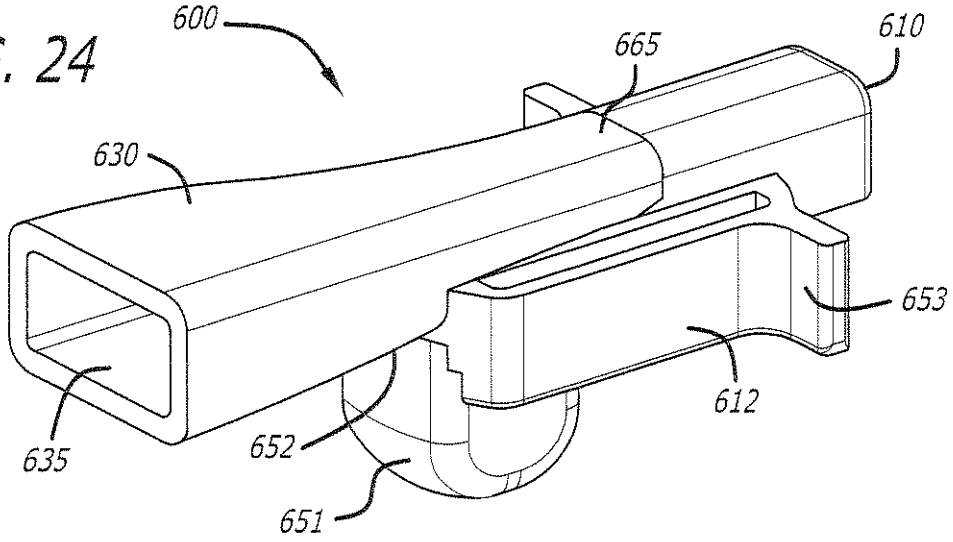


FIG. 25

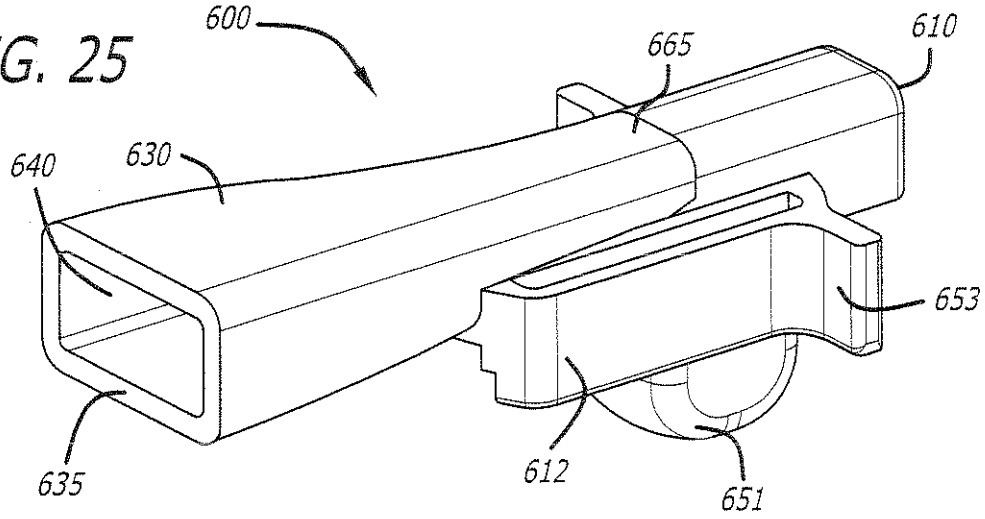


FIG. 26

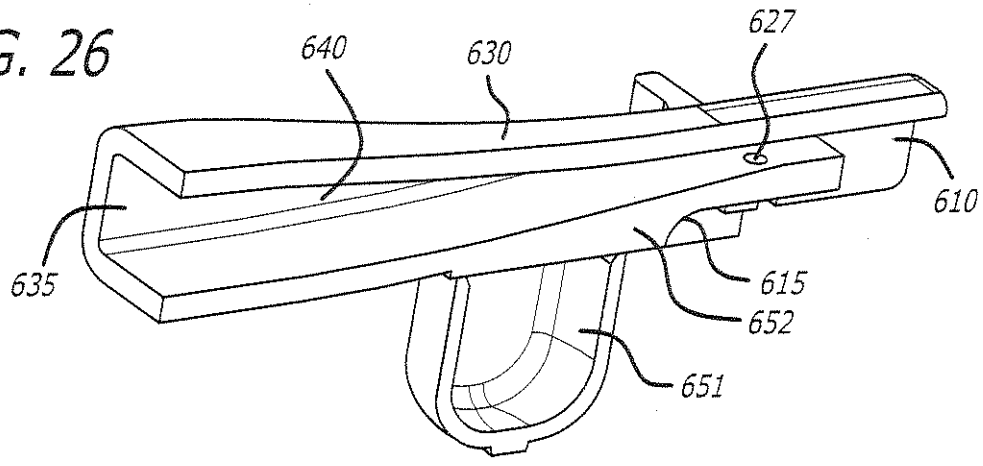


FIG. 27

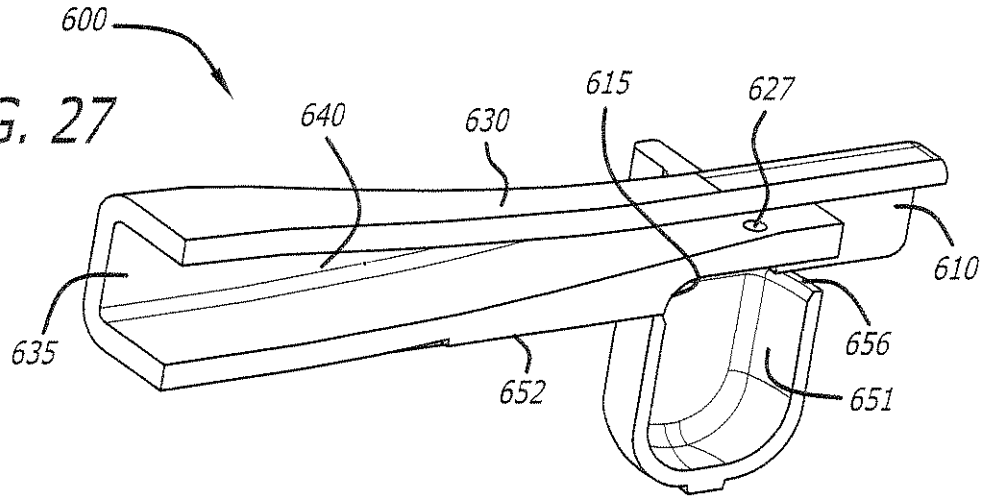
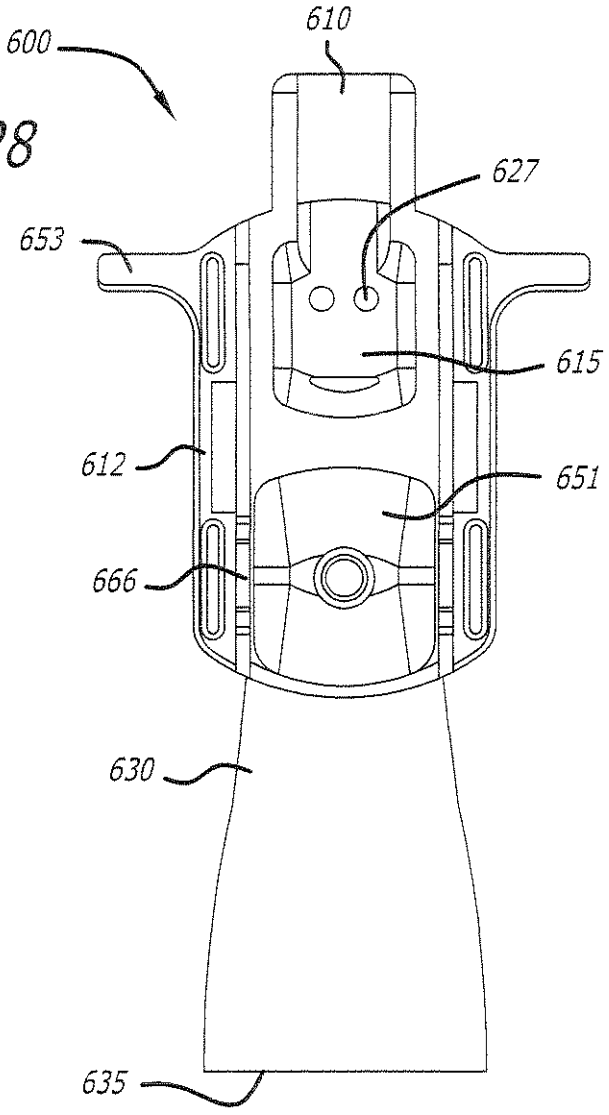

600
640
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615
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656
651

FIG. 28


600
610
627
653
615
612
651
666
630
635

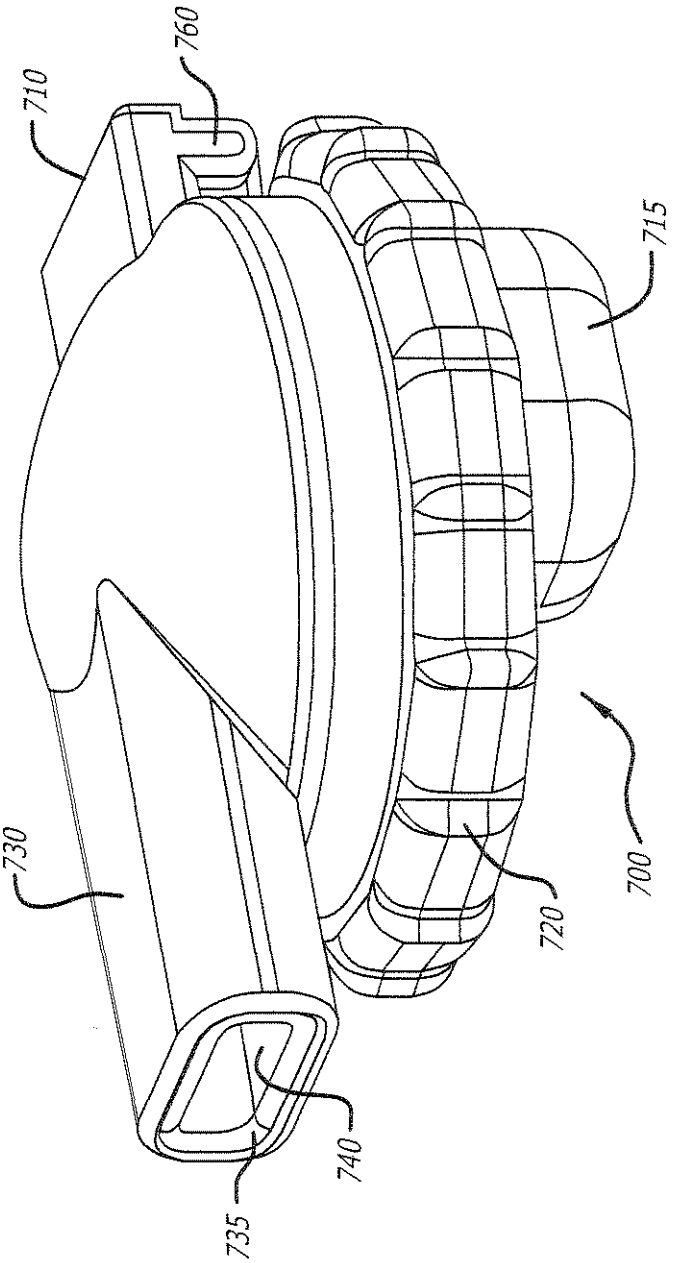


FIG. 29

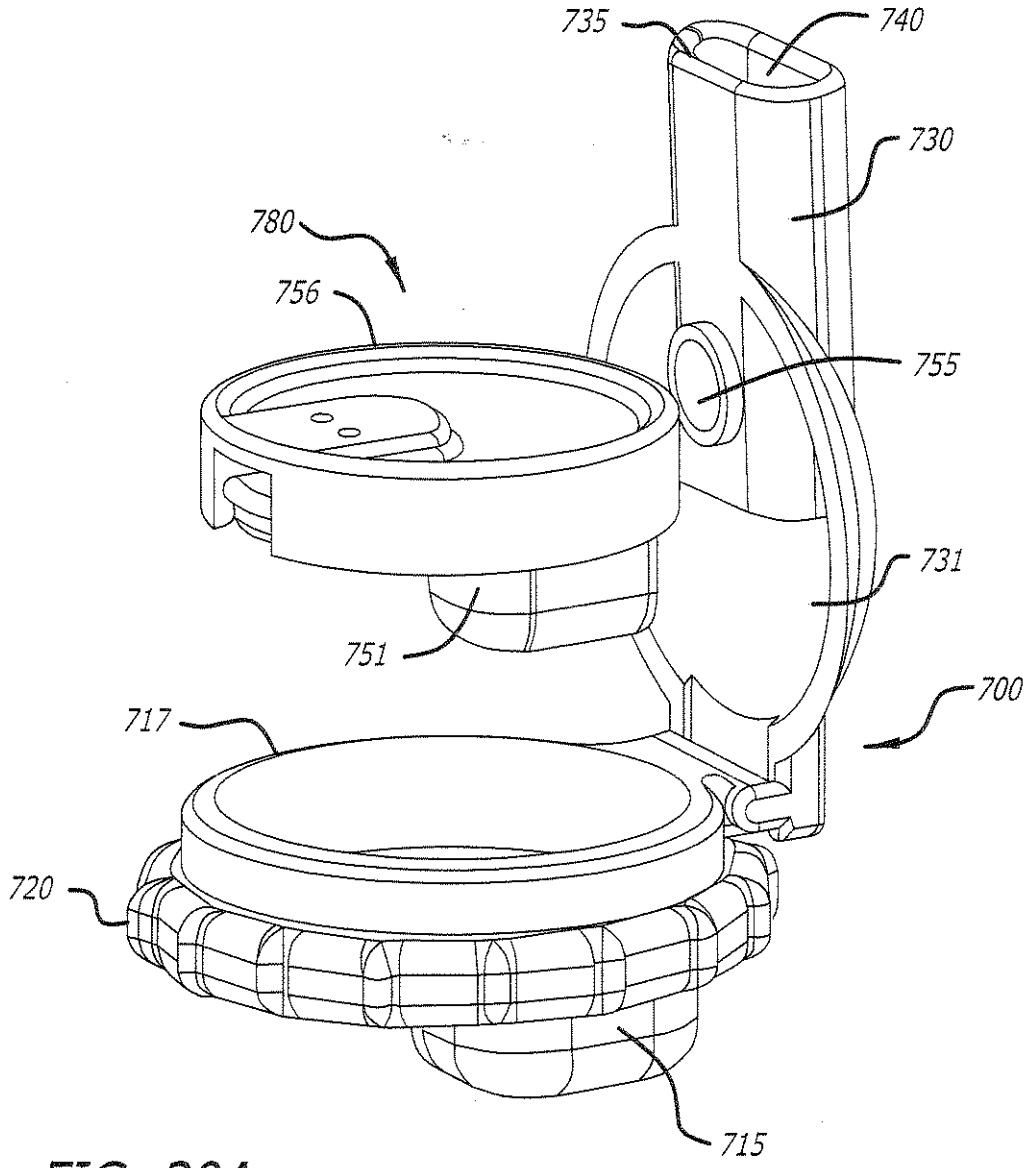


FIG. 30A

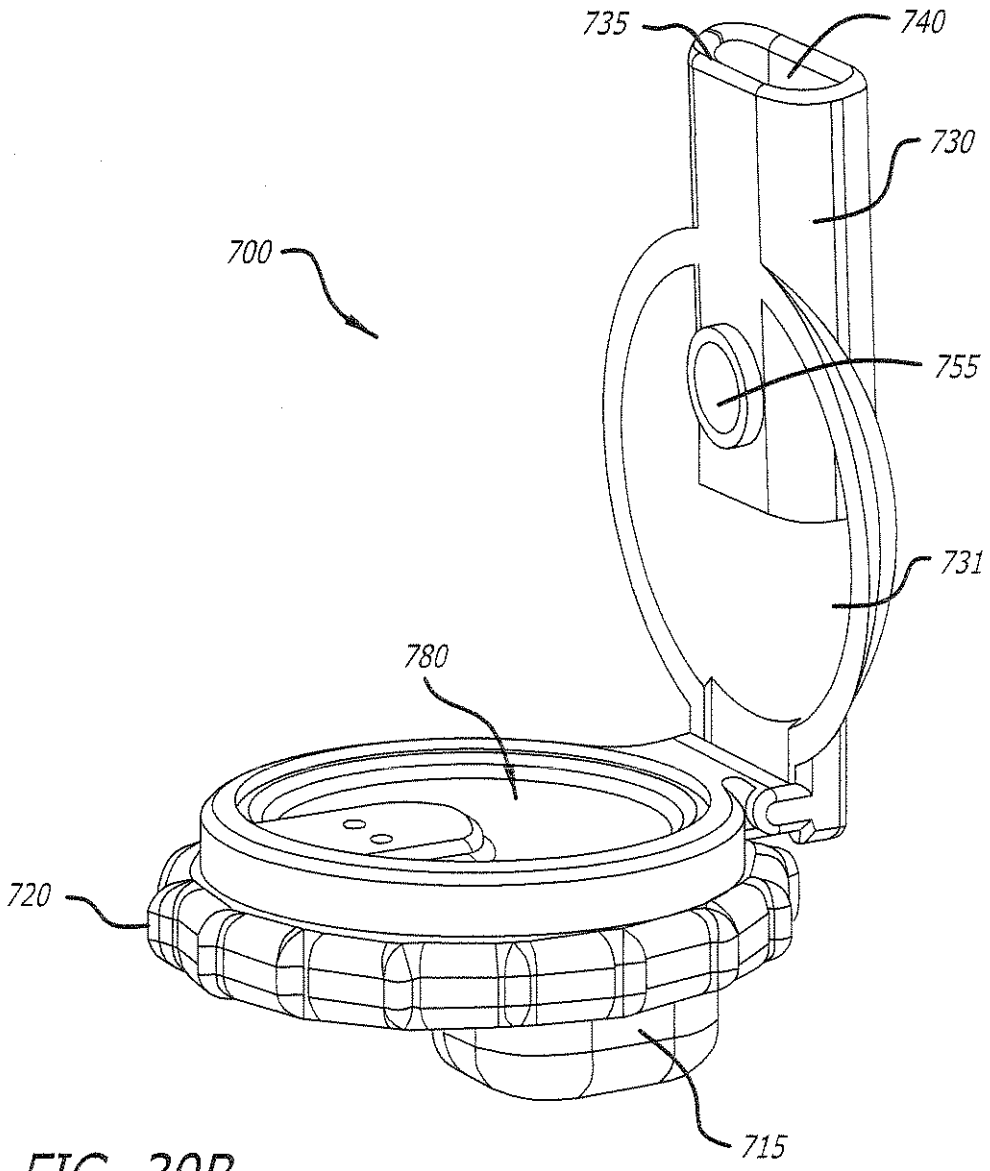


FIG. 30B

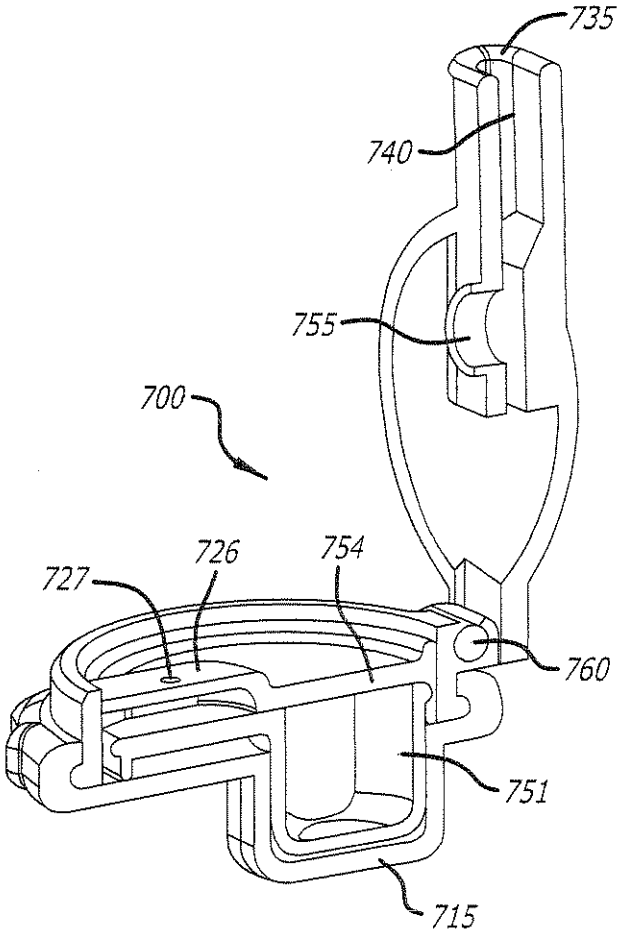

735
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FIG. 31

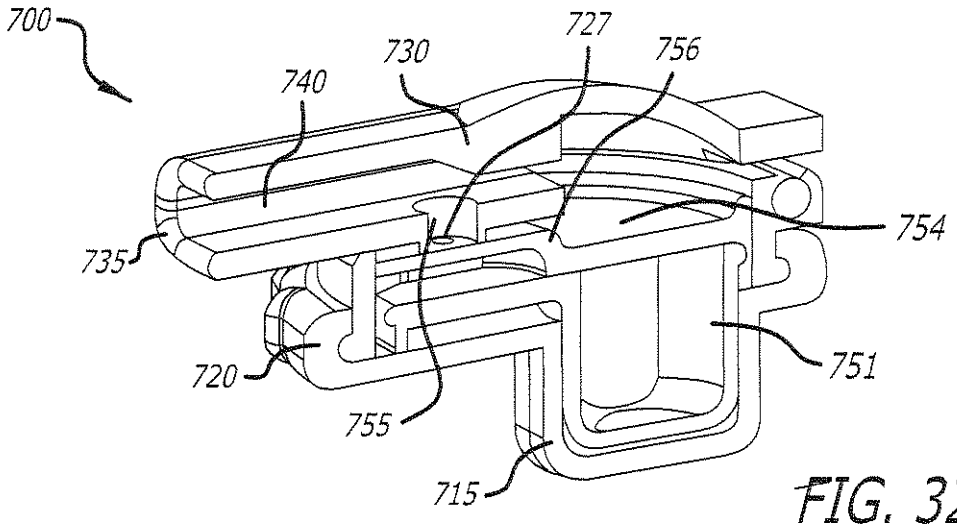

700
730
727
756
740
754
735
720
751
755
715

FIG. 32

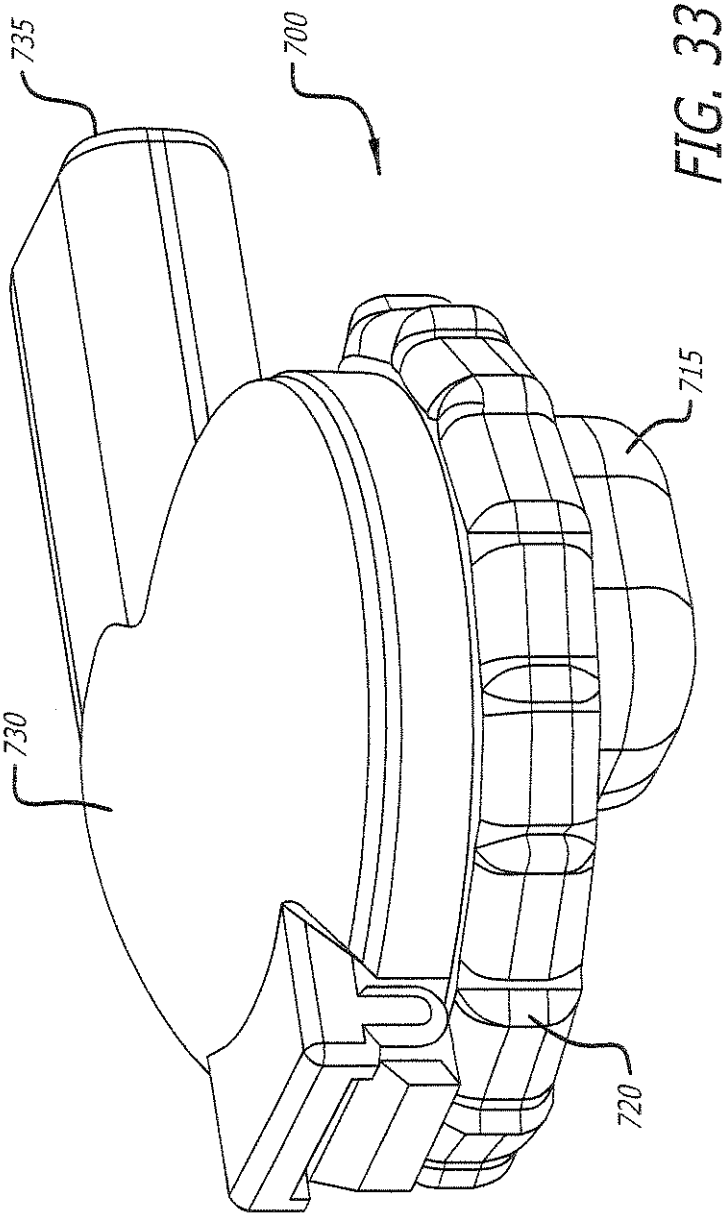


FIG. 33

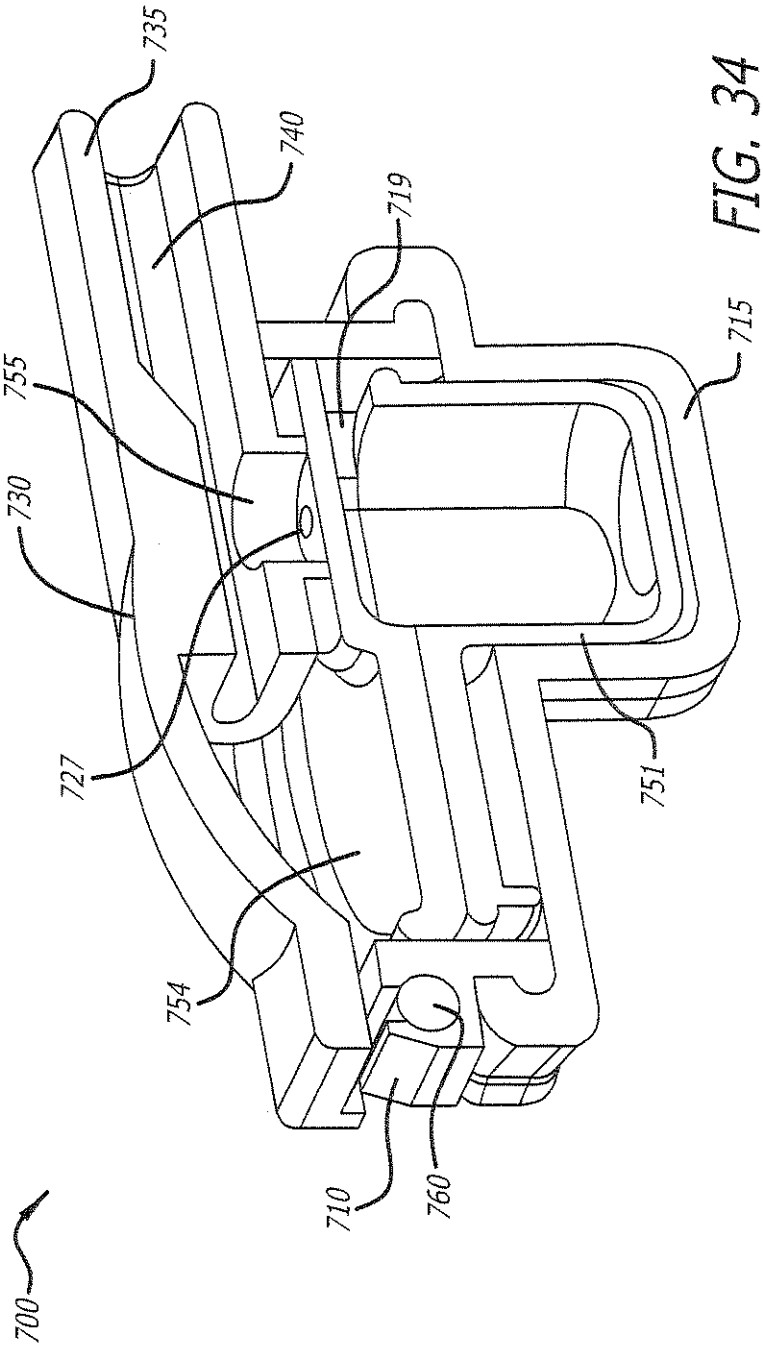


FIG. 34

FIG. 35

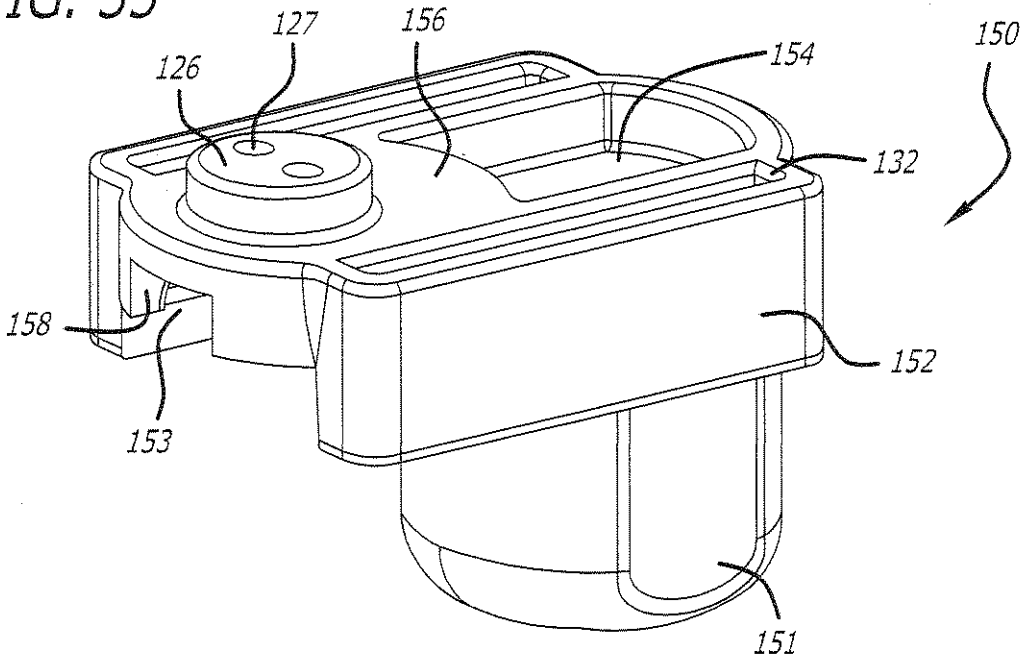

127
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FIG. 36

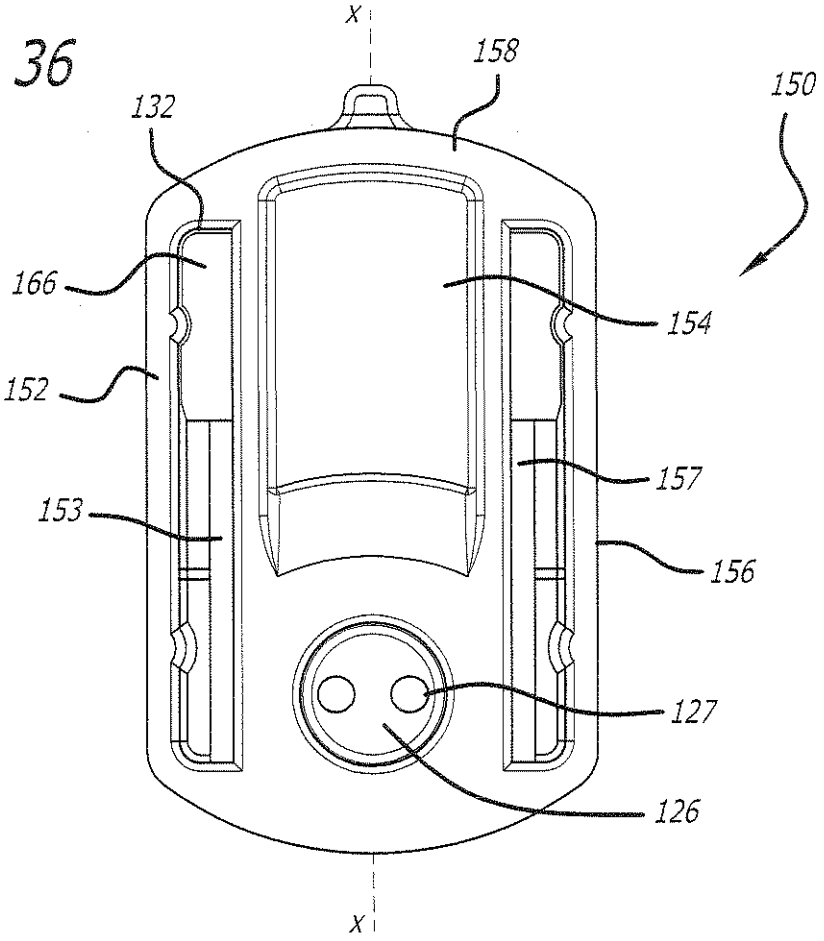

X
158
150
132
166
154
152
157
153
156
127
126
X

FIG. 37

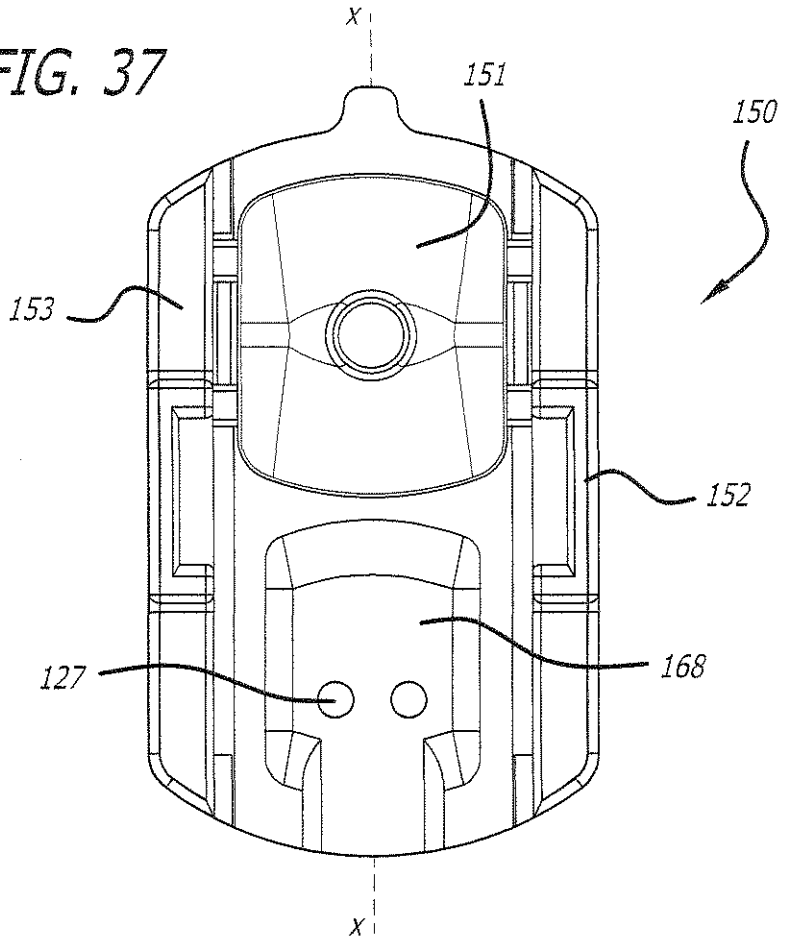


FIG. 38A

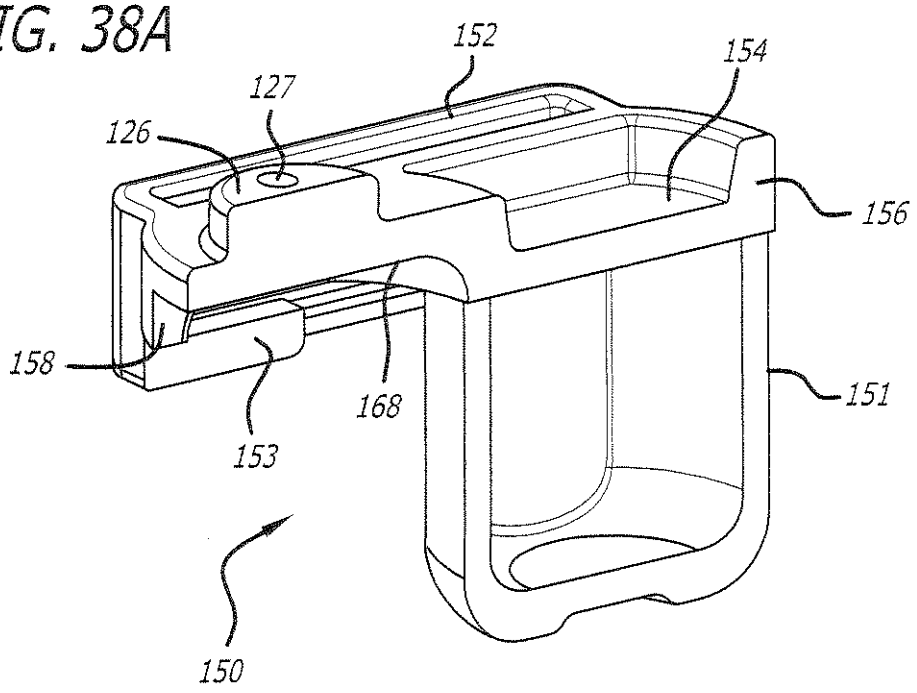


FIG. 38B

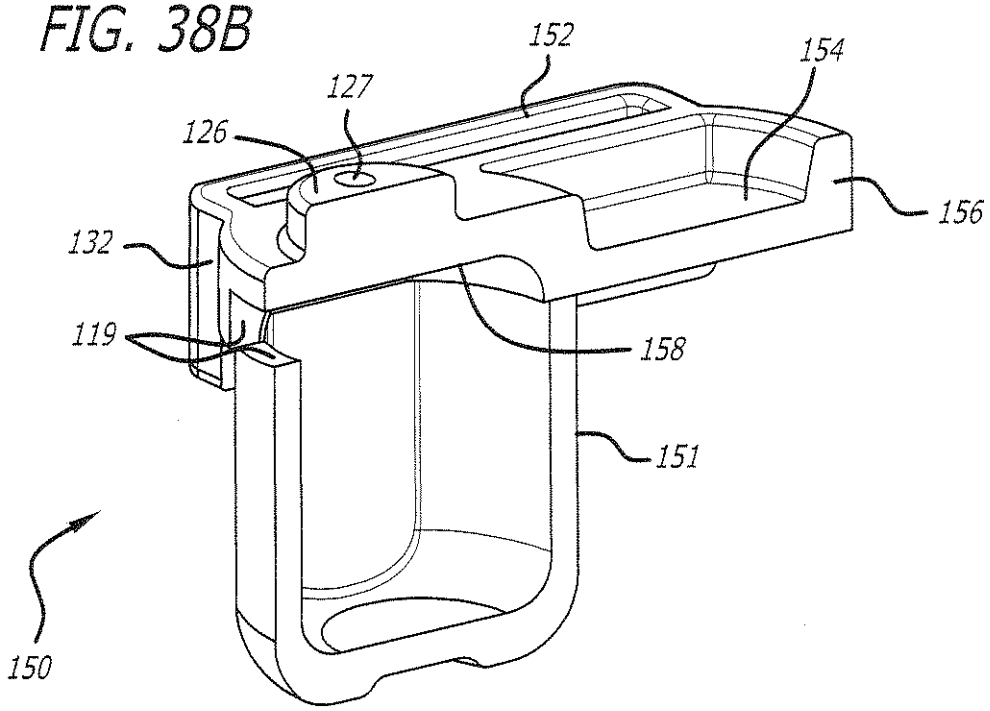
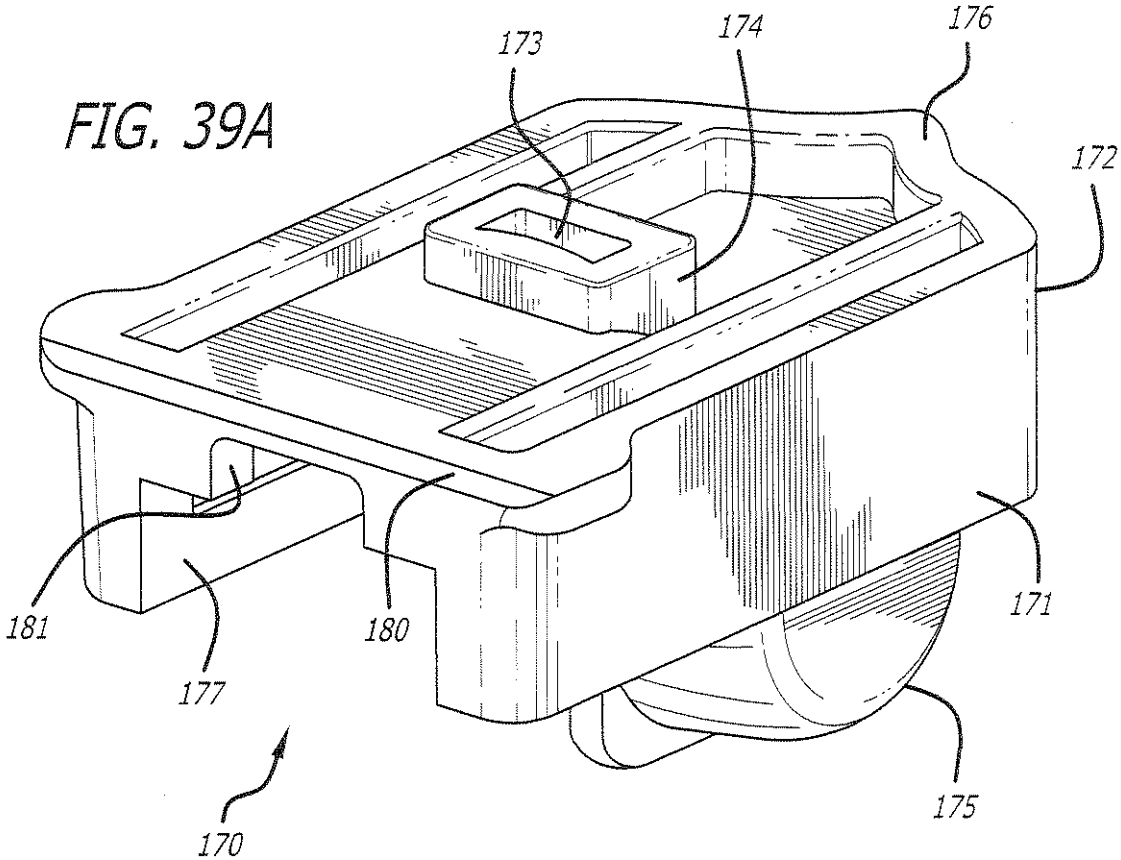


FIG. 39A



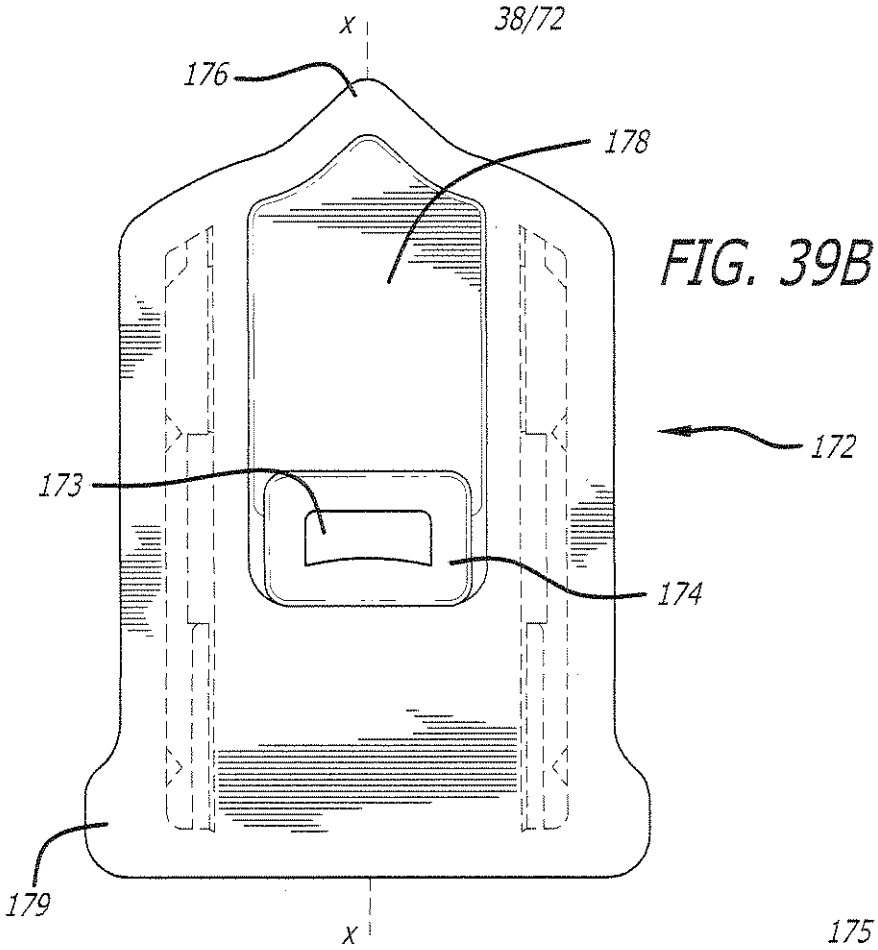


FIG. 39B

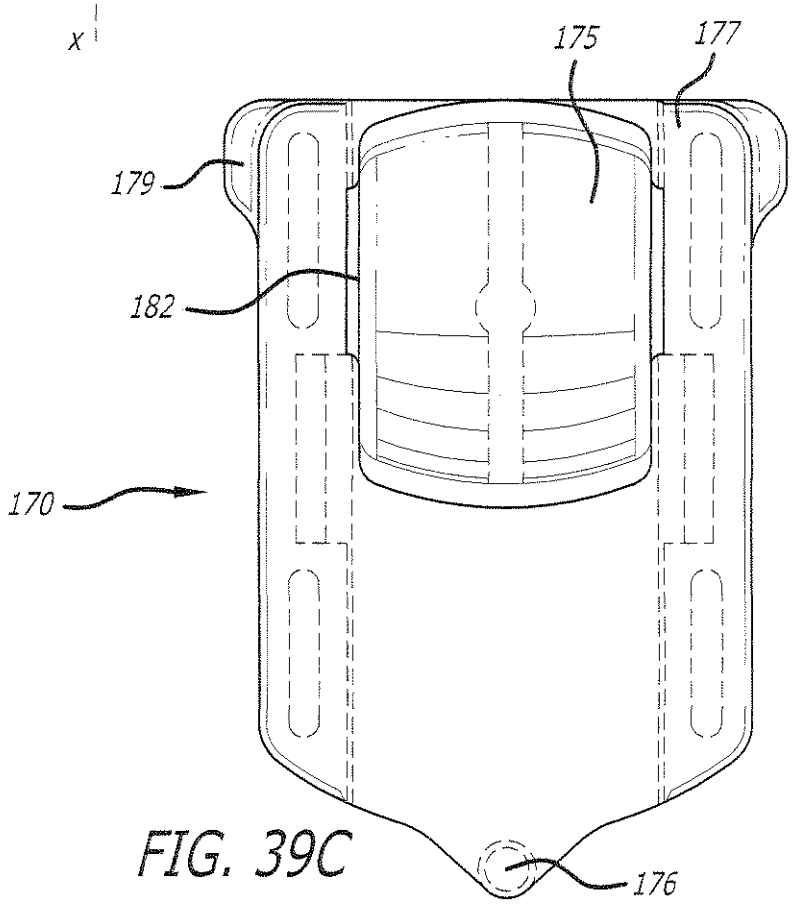


FIG. 39C

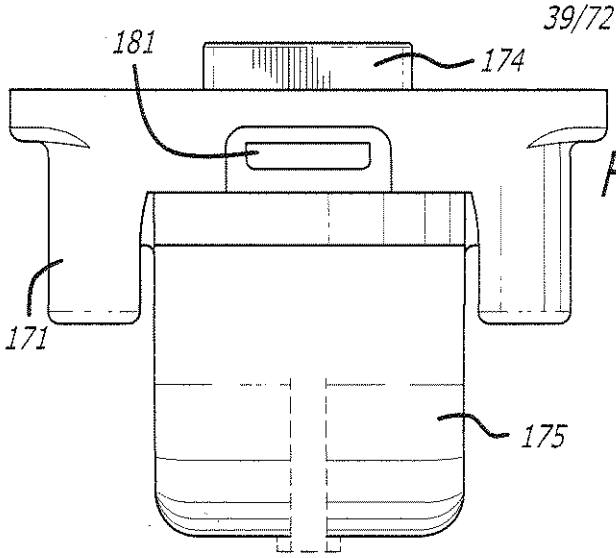


FIG. 39D

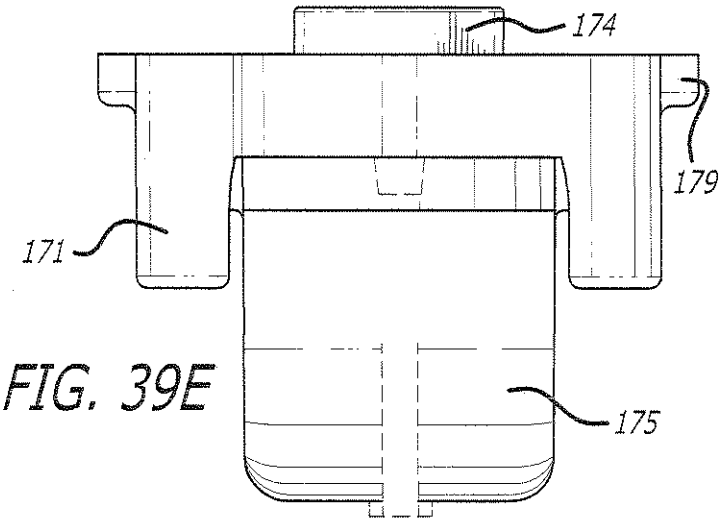


FIG. 39E

FIG. 39F

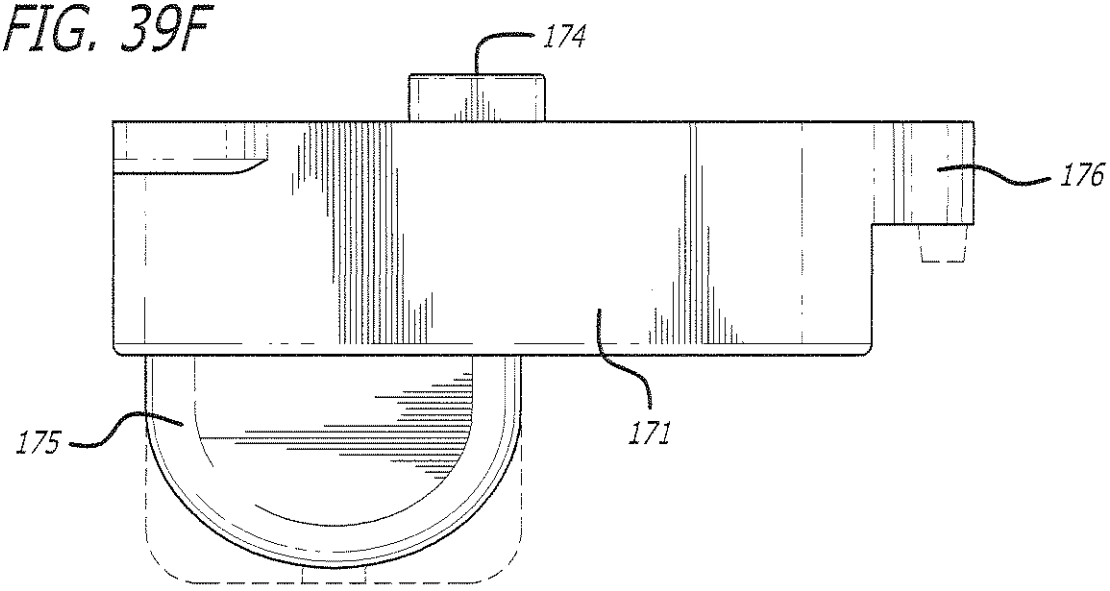


FIG. 39G

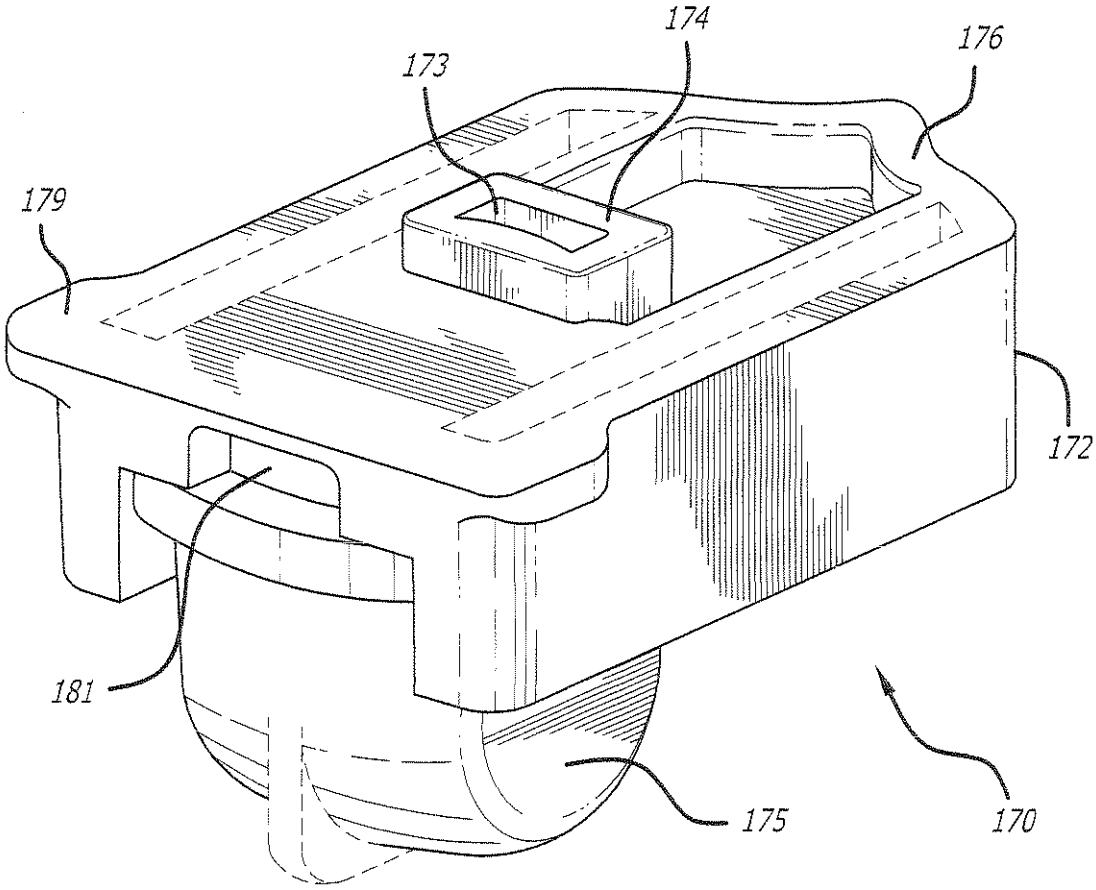


FIG. 39H

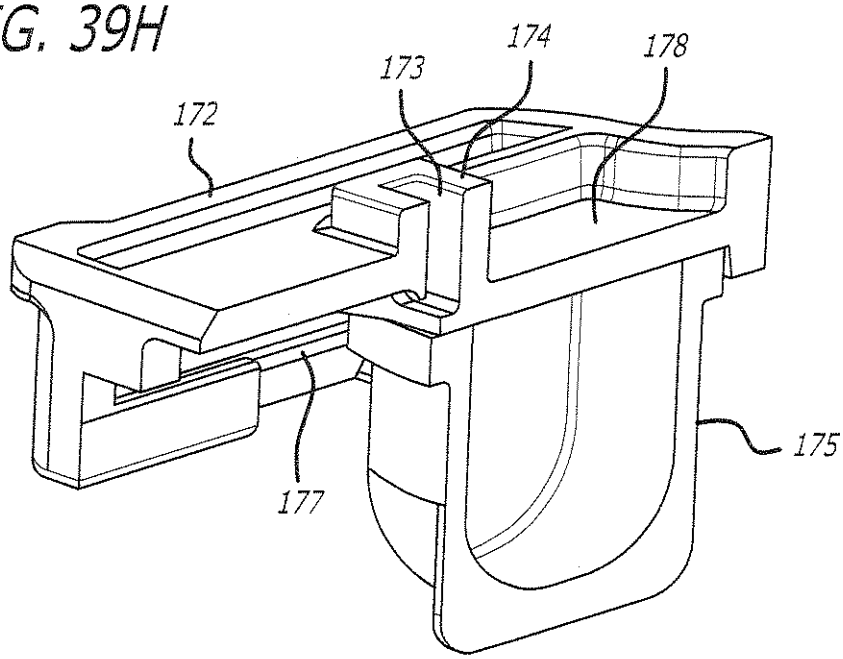


FIG. 39I

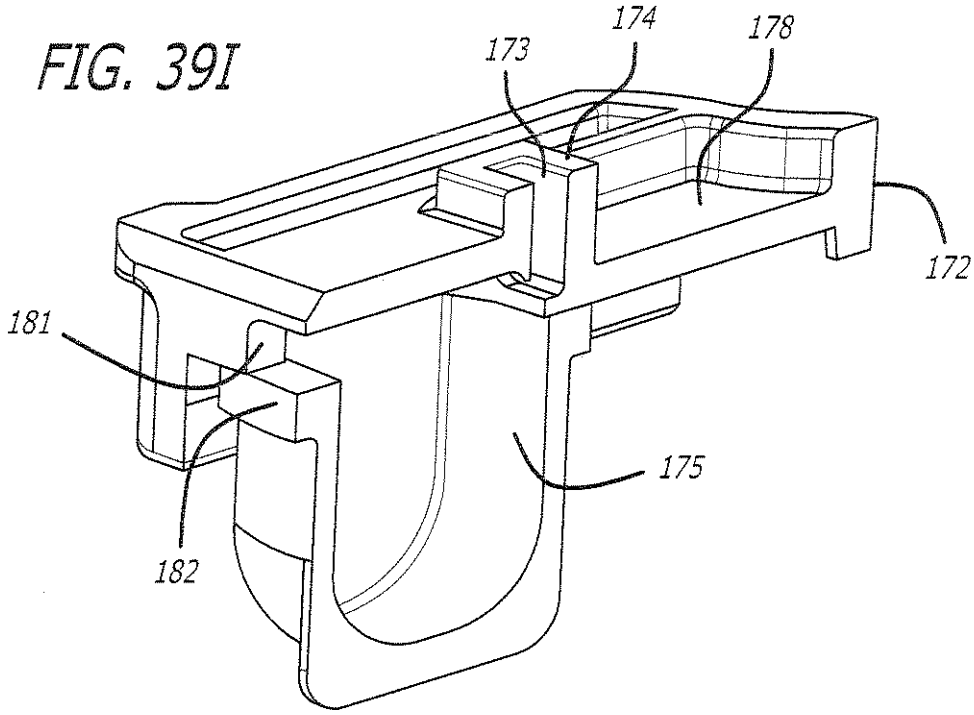


FIG. 40

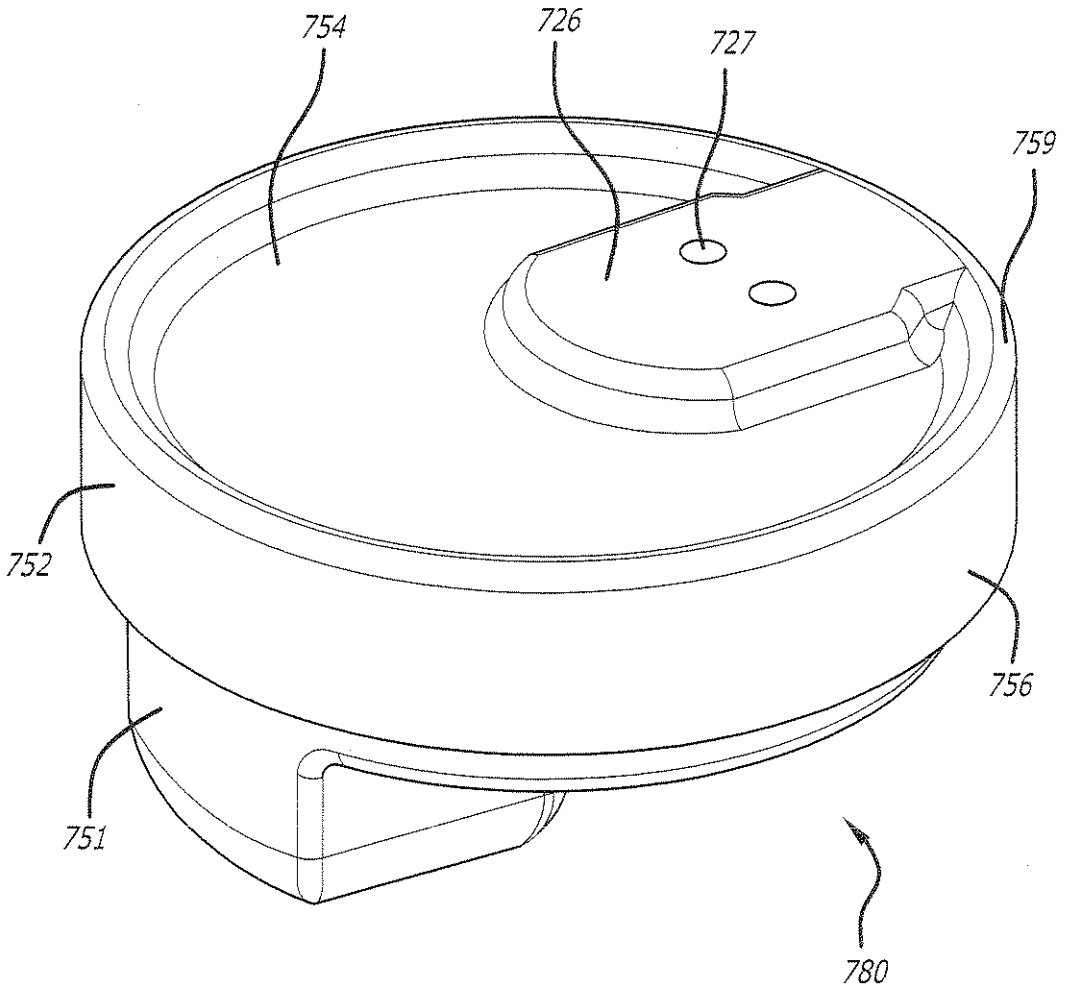


FIG. 41

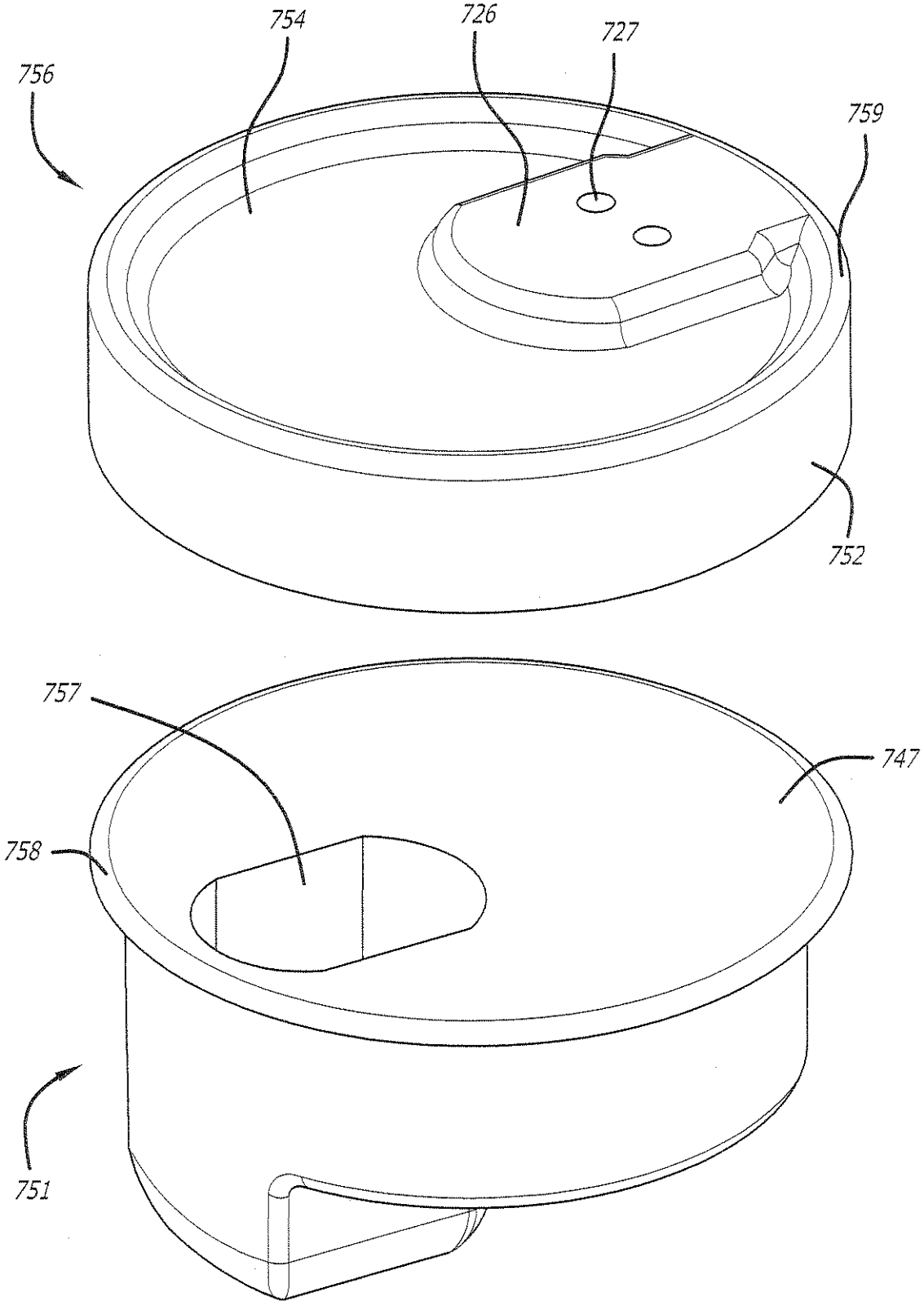


FIG. 42

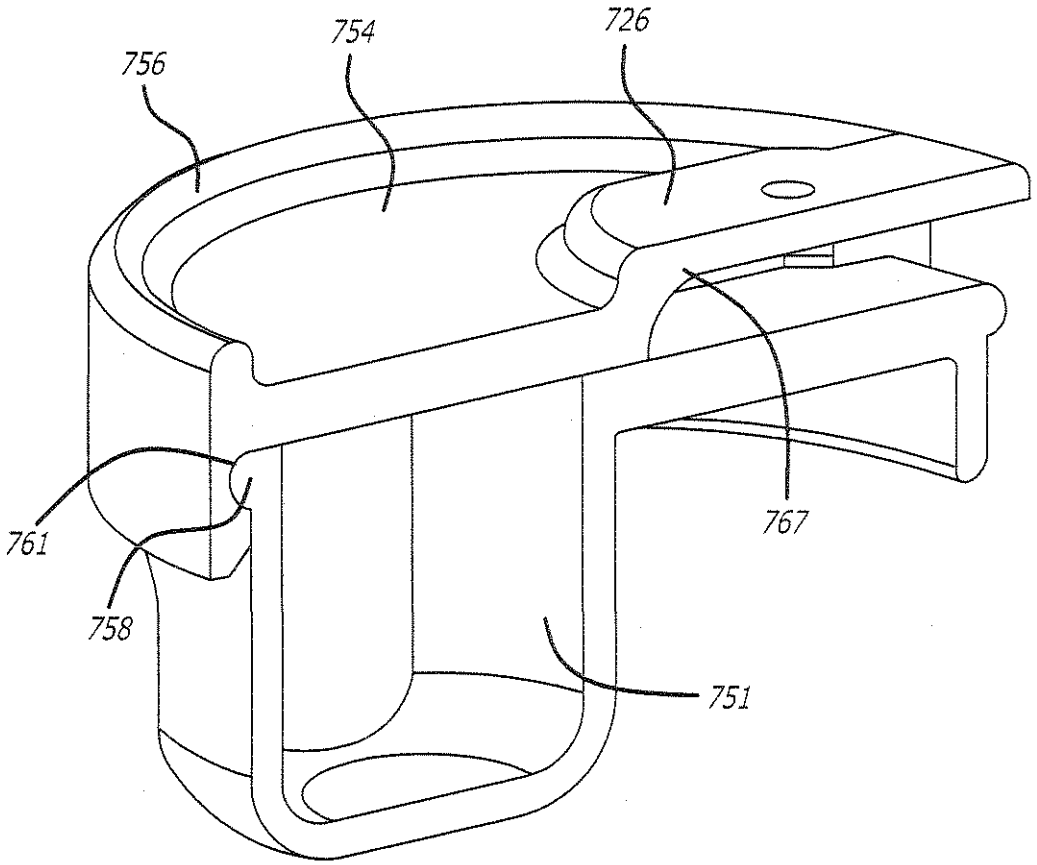


FIG. 43

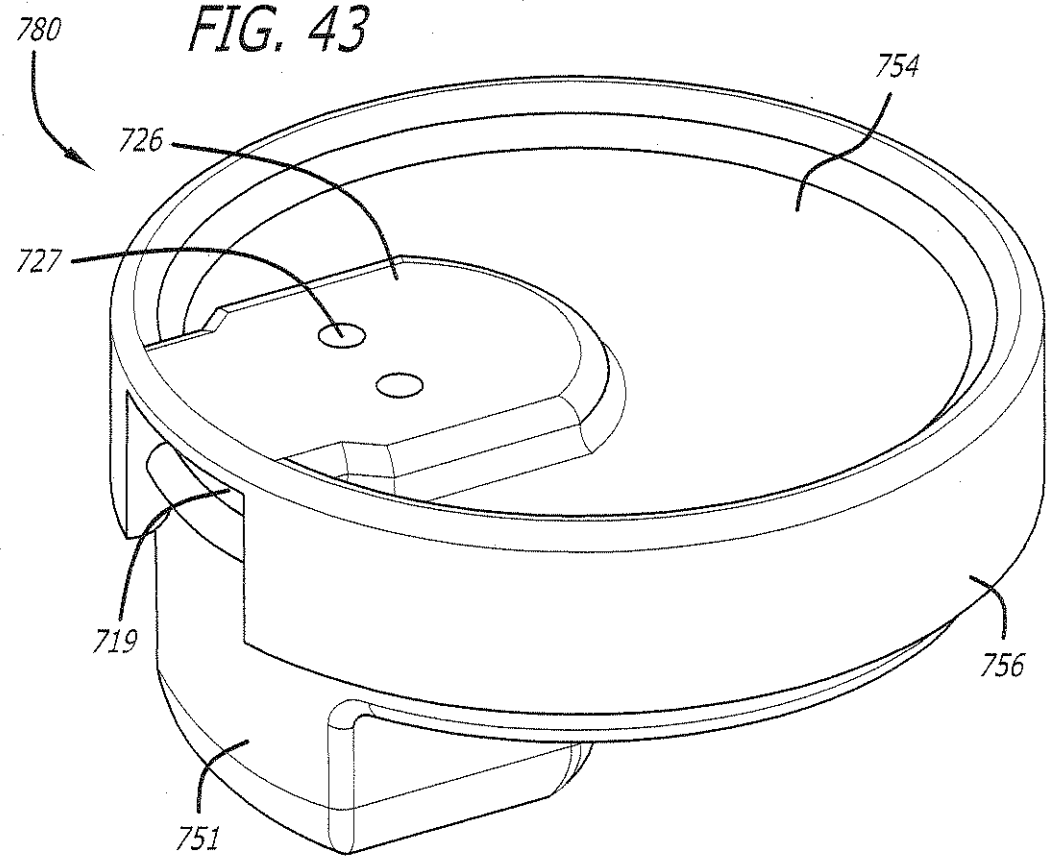
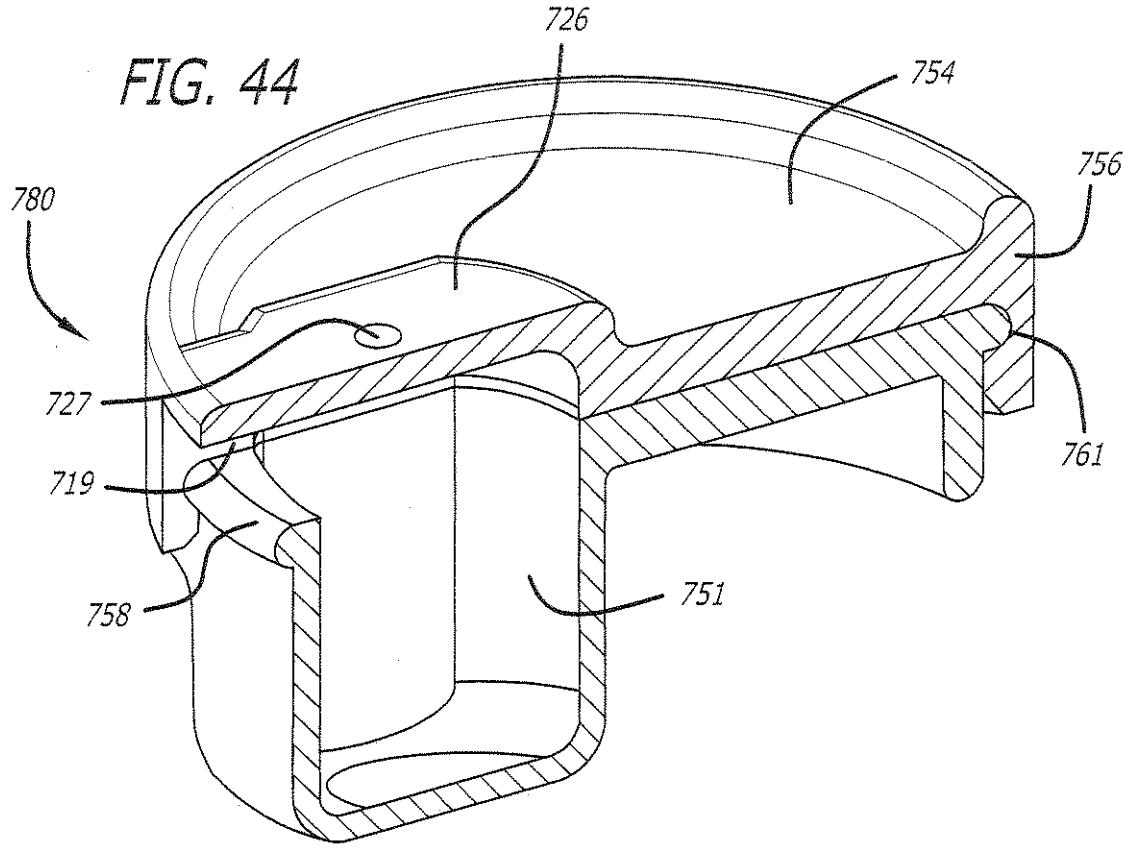


FIG. 44



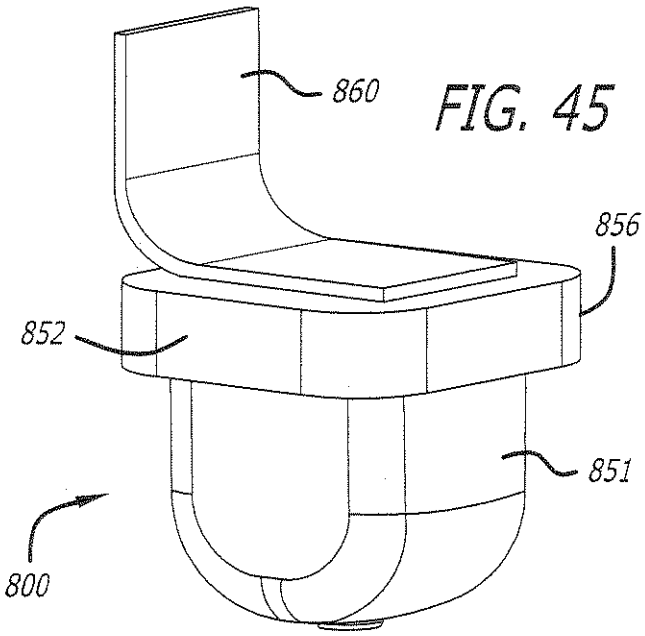


FIG. 45

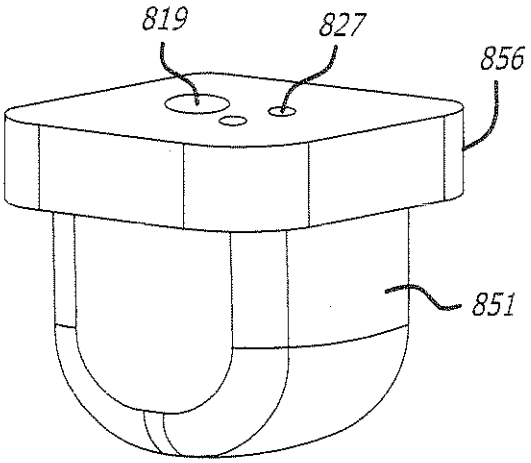


FIG. 46A

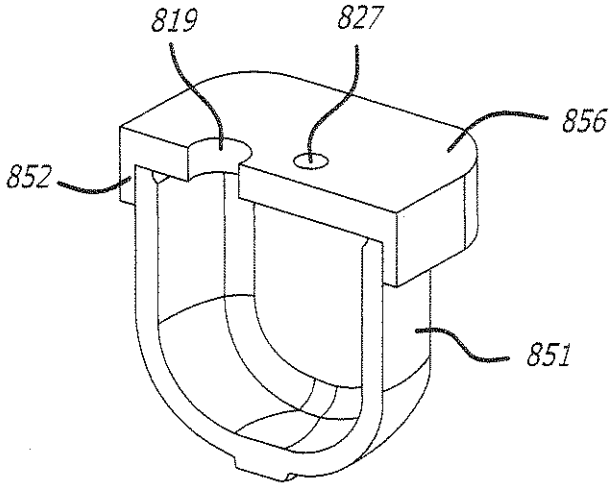


FIG. 46B

FIG. 47A

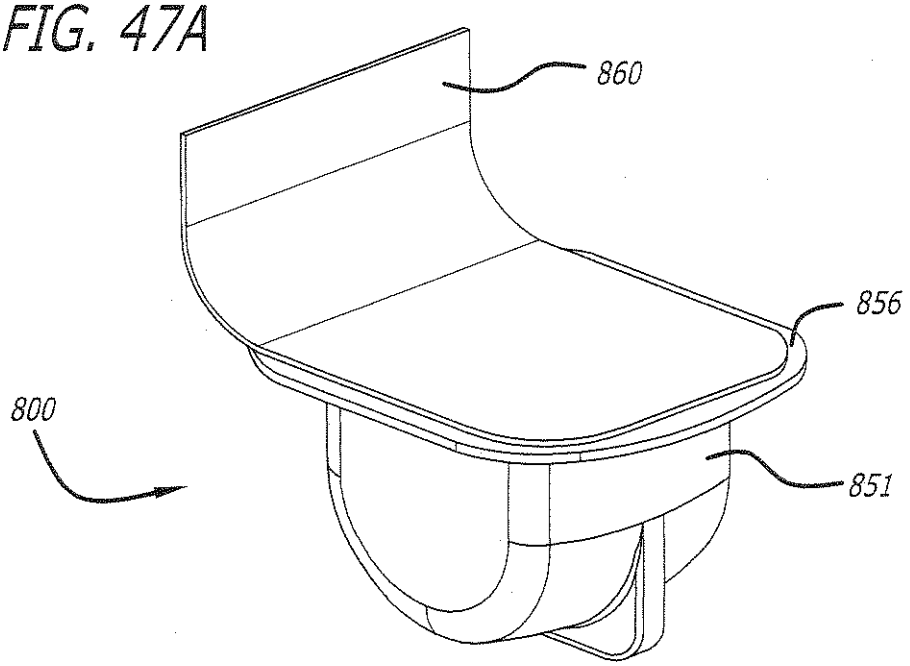
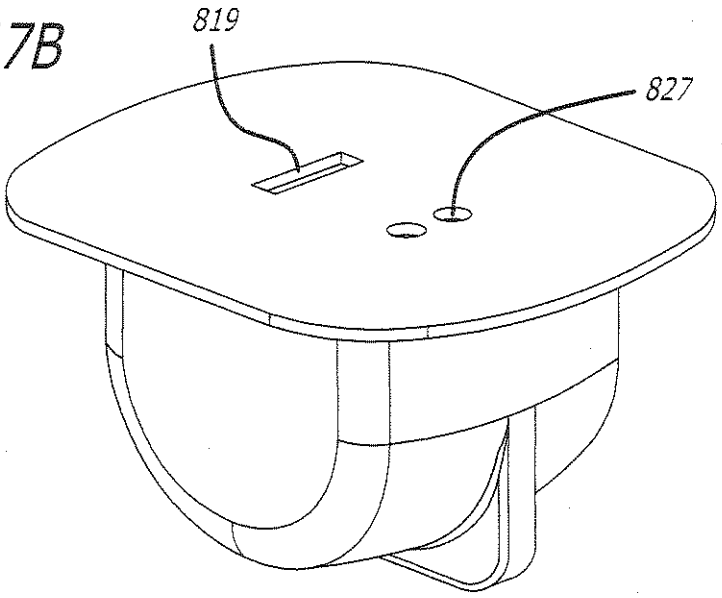


FIG. 47B



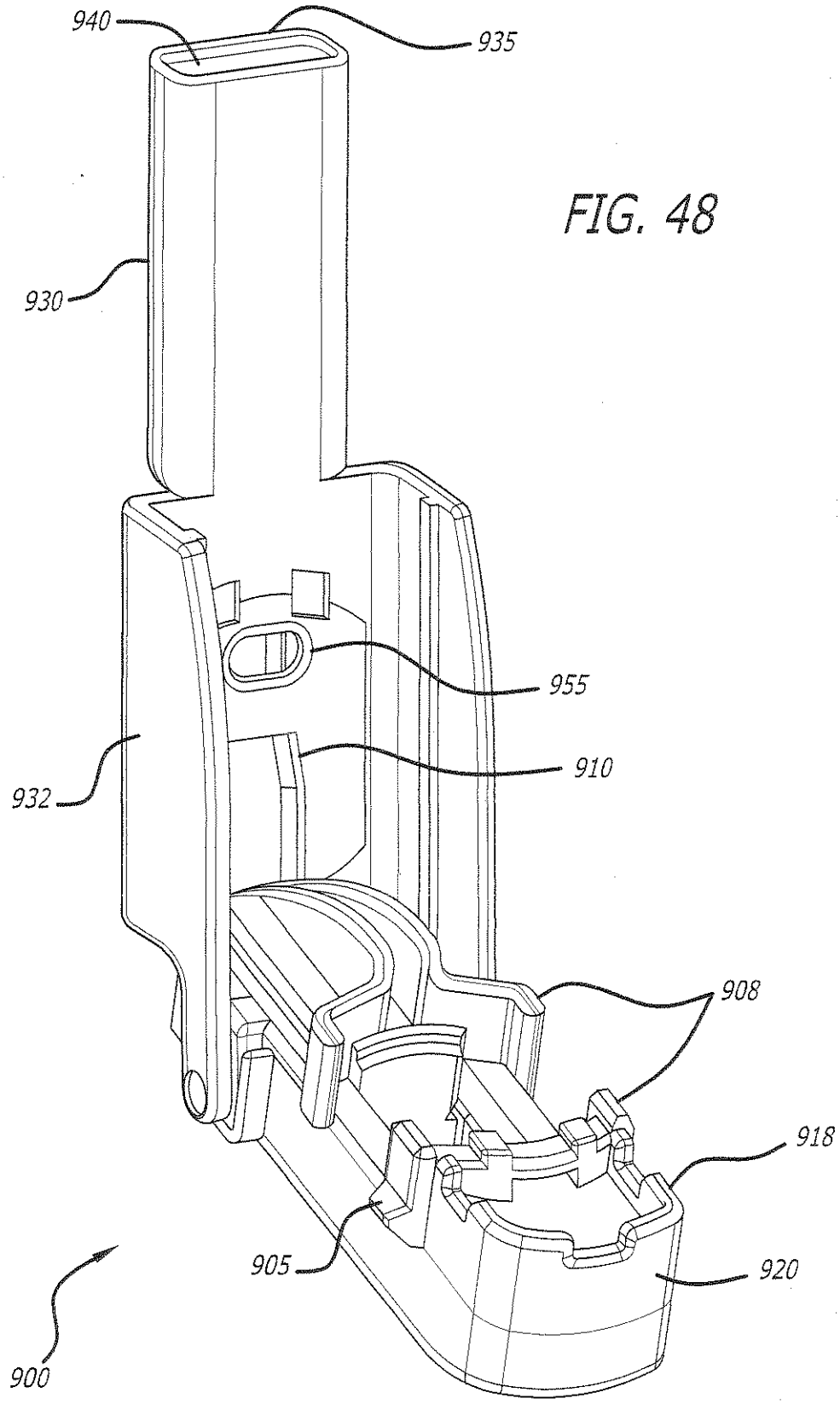


FIG. 48

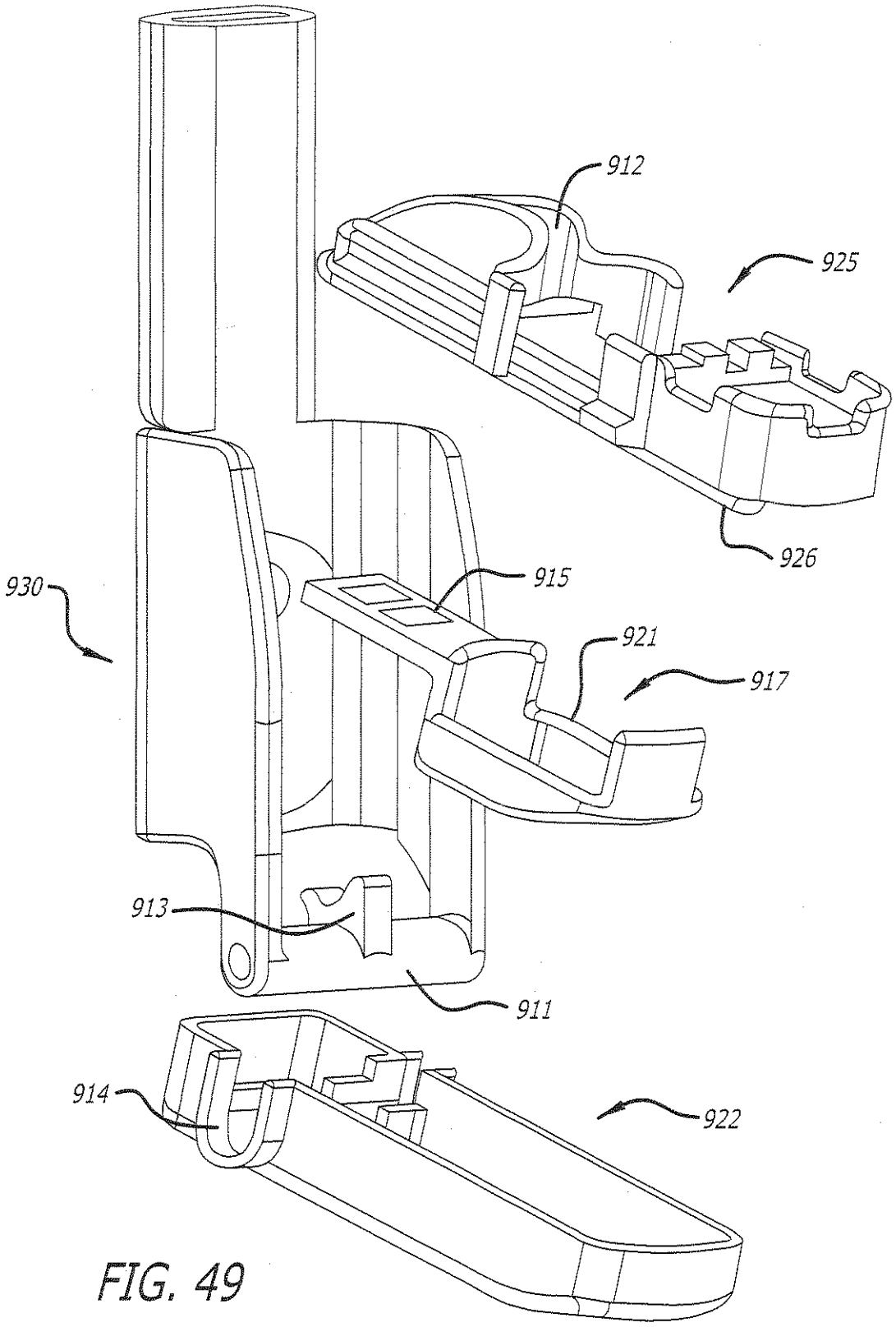
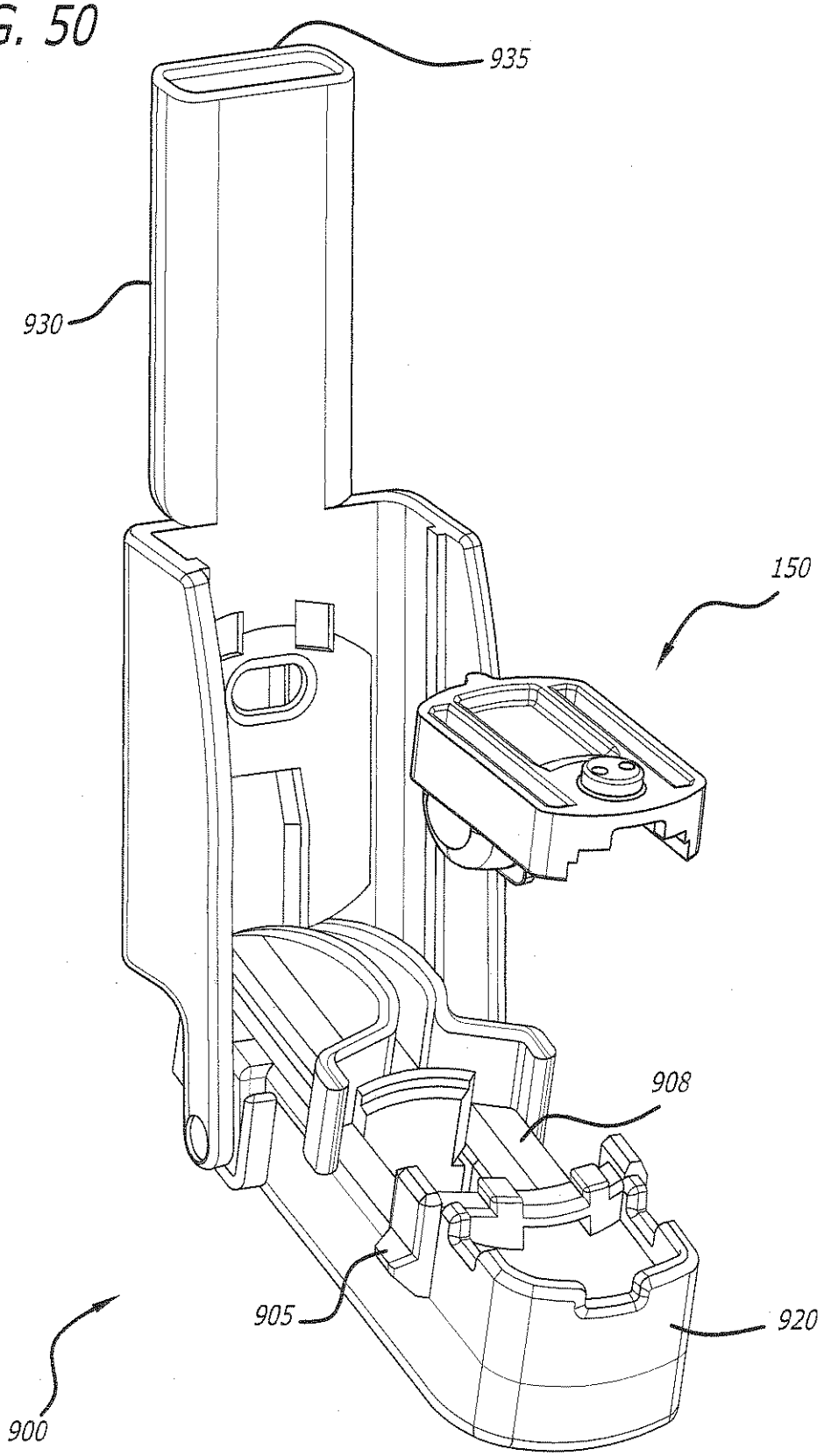


FIG. 49

FIG. 50



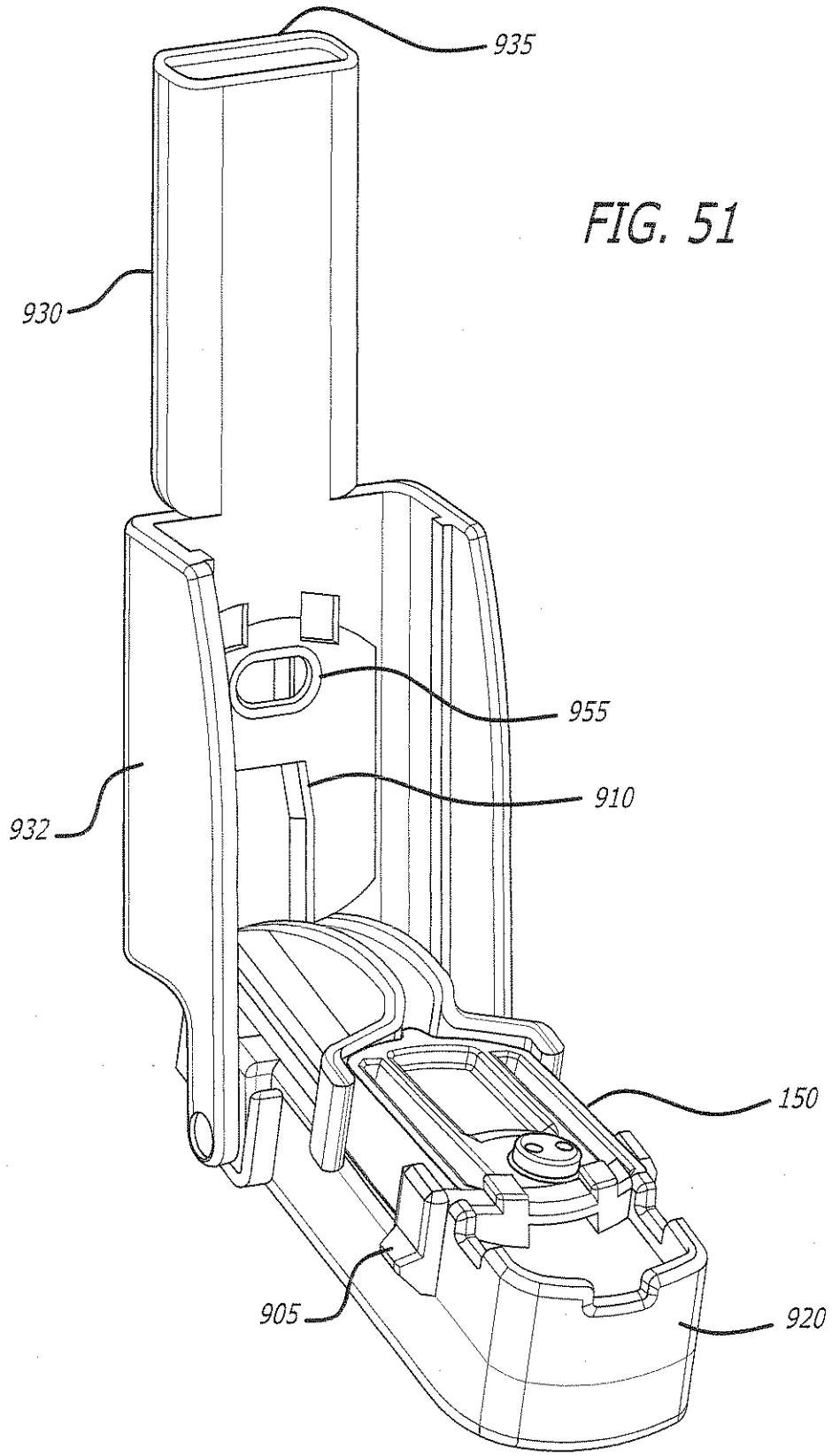


FIG. 51

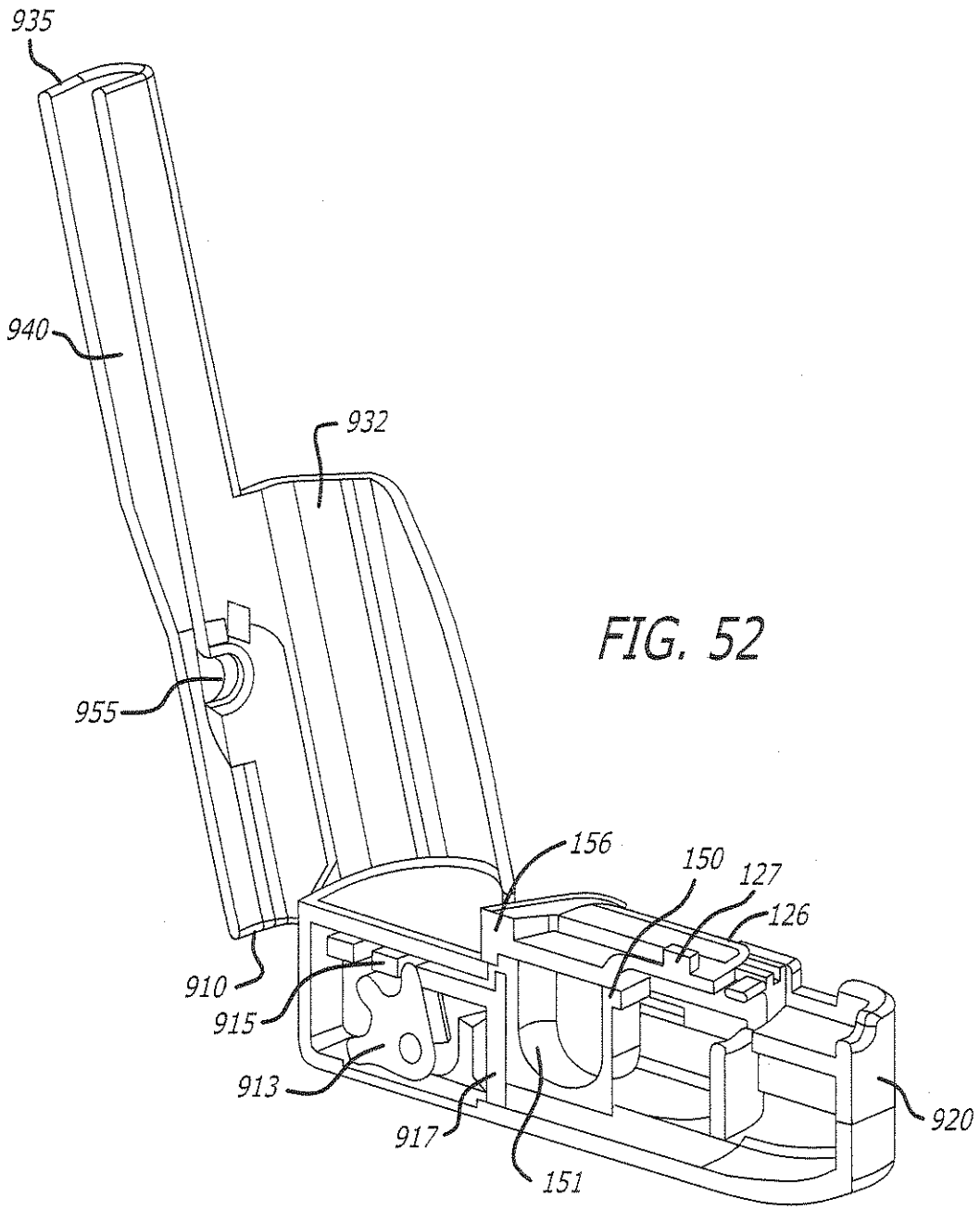


FIG. 52

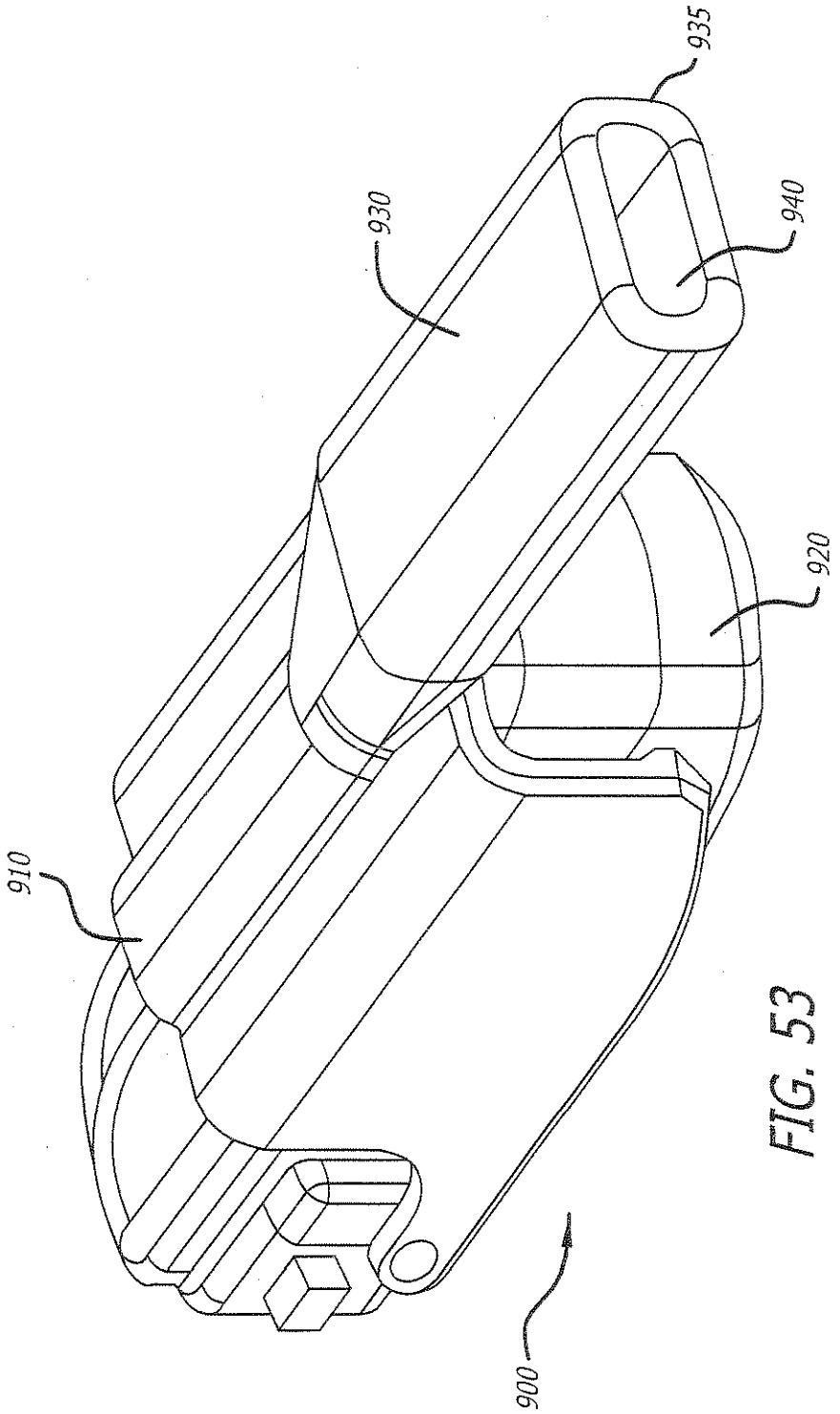


FIG. 53

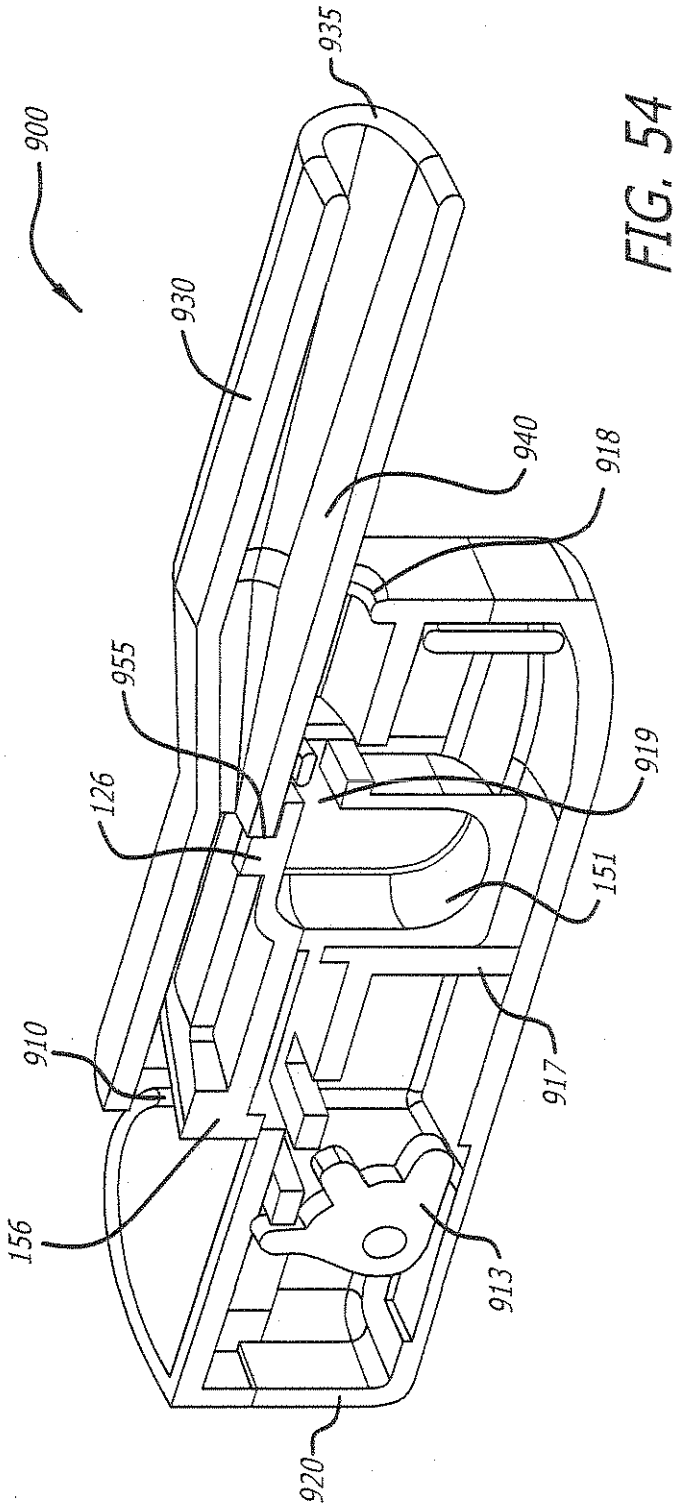


FIG. 54

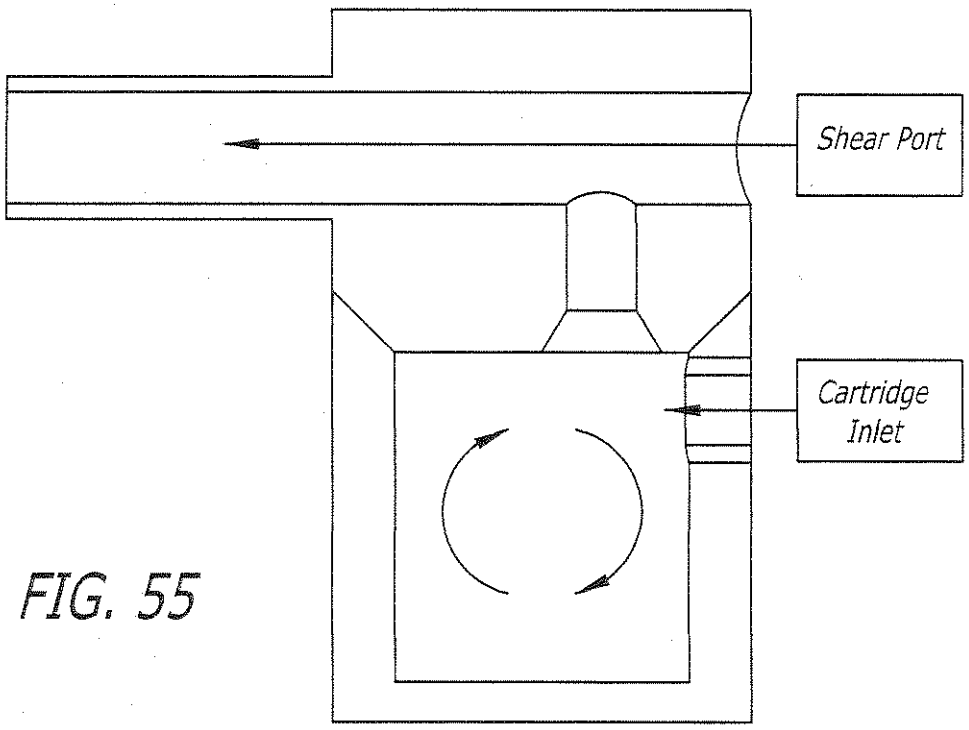


FIG. 55

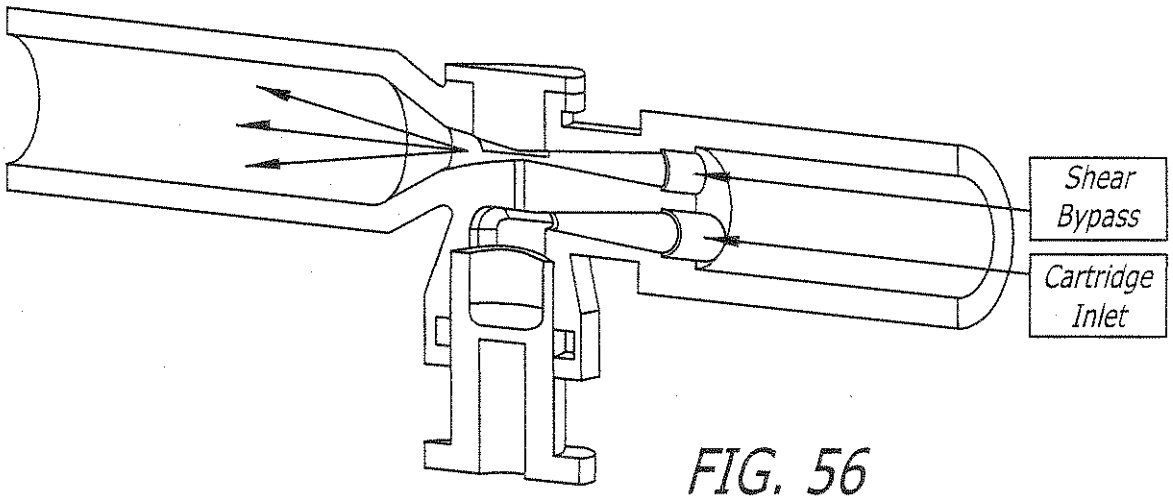


FIG. 56

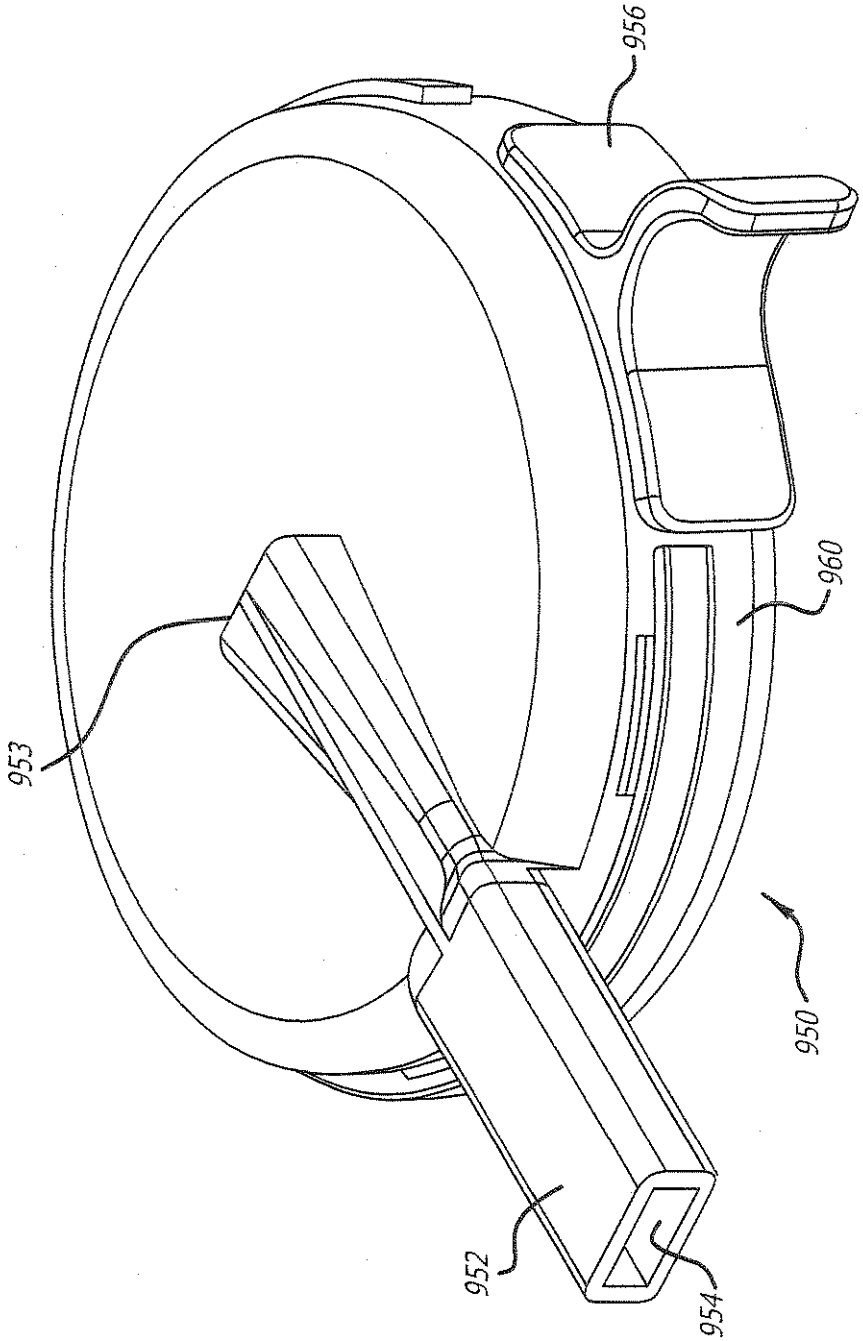


FIG. 57

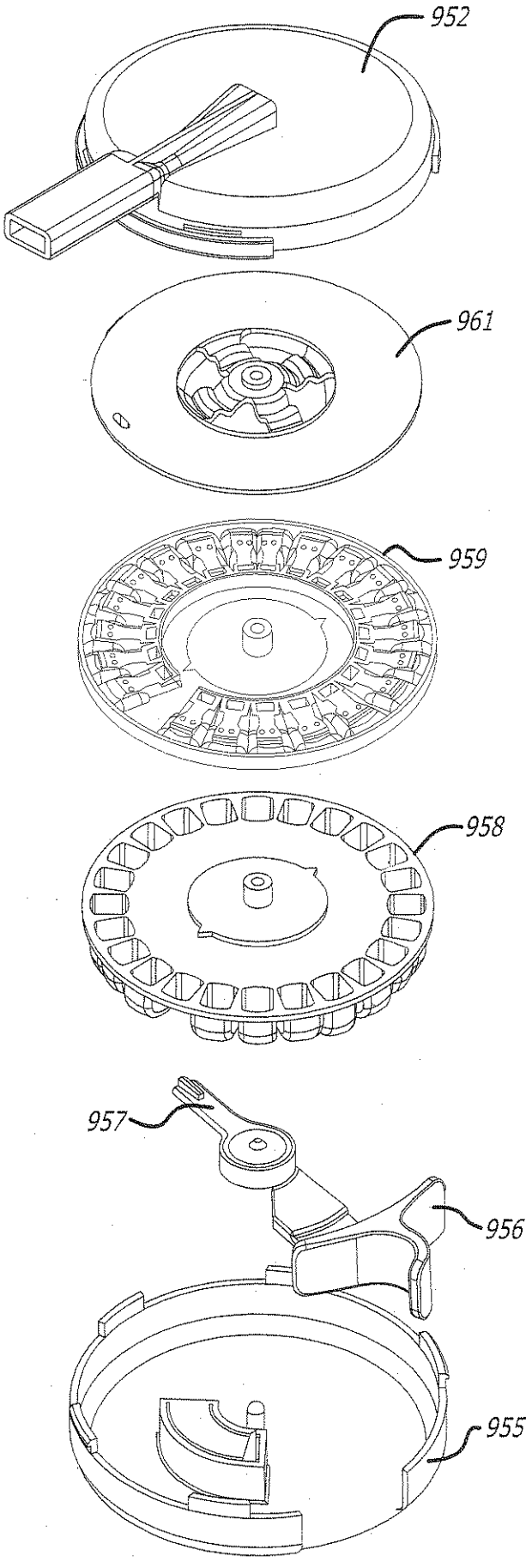


FIG. 58

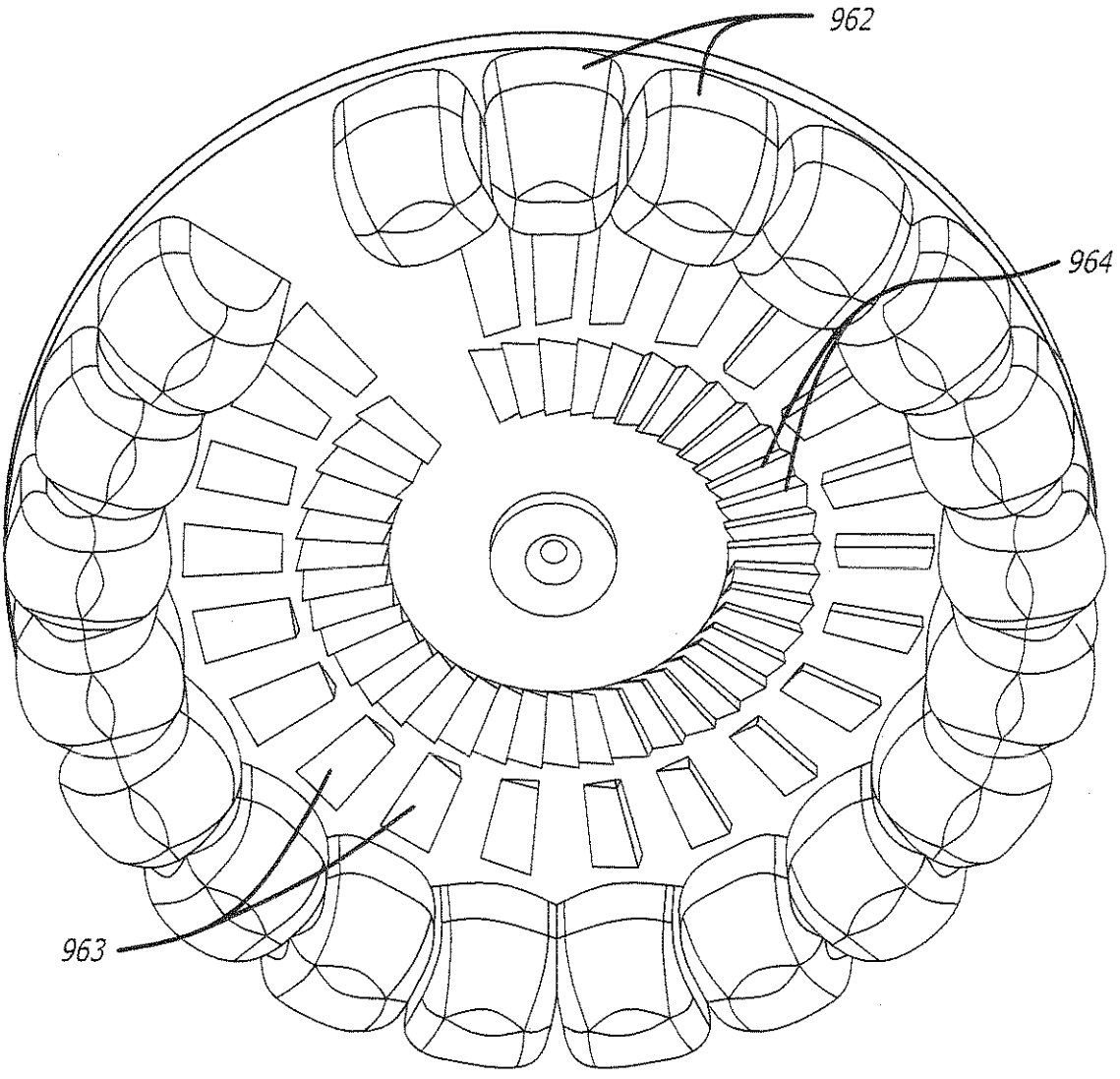


FIG. 59

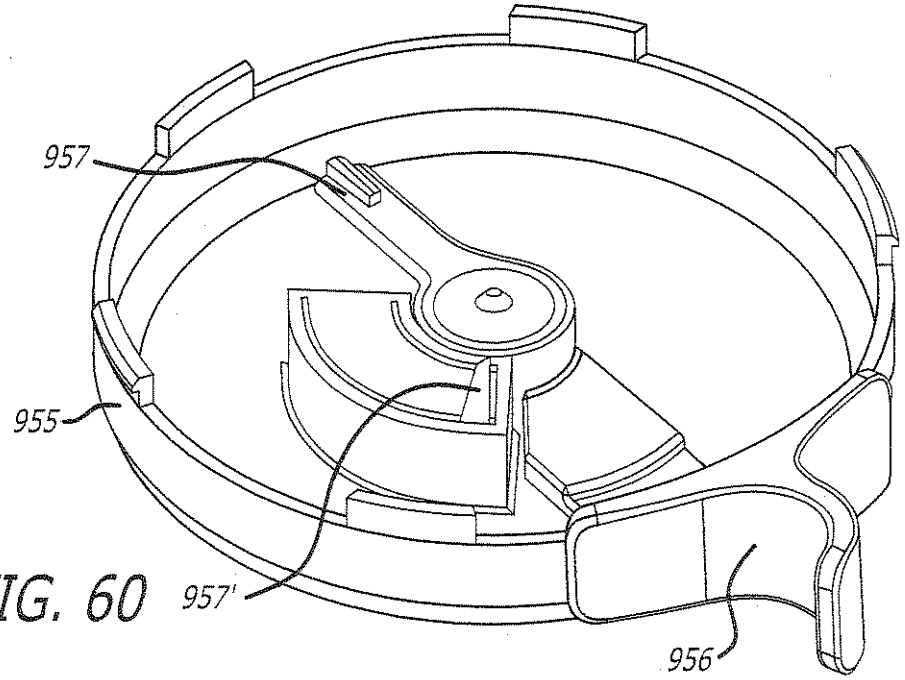


FIG. 60

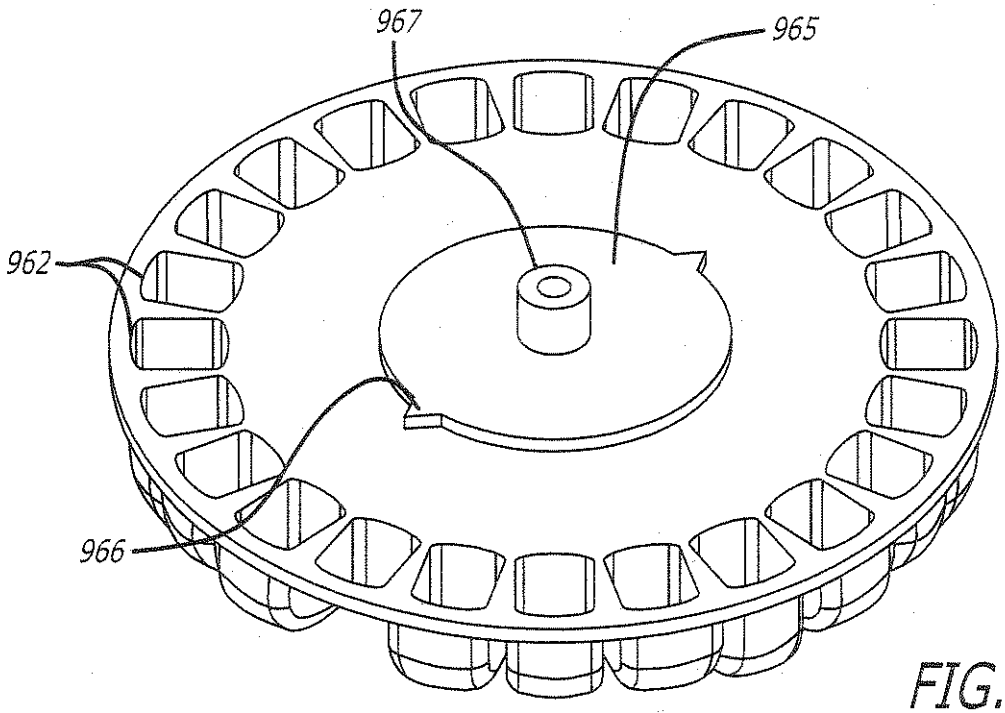


FIG. 61

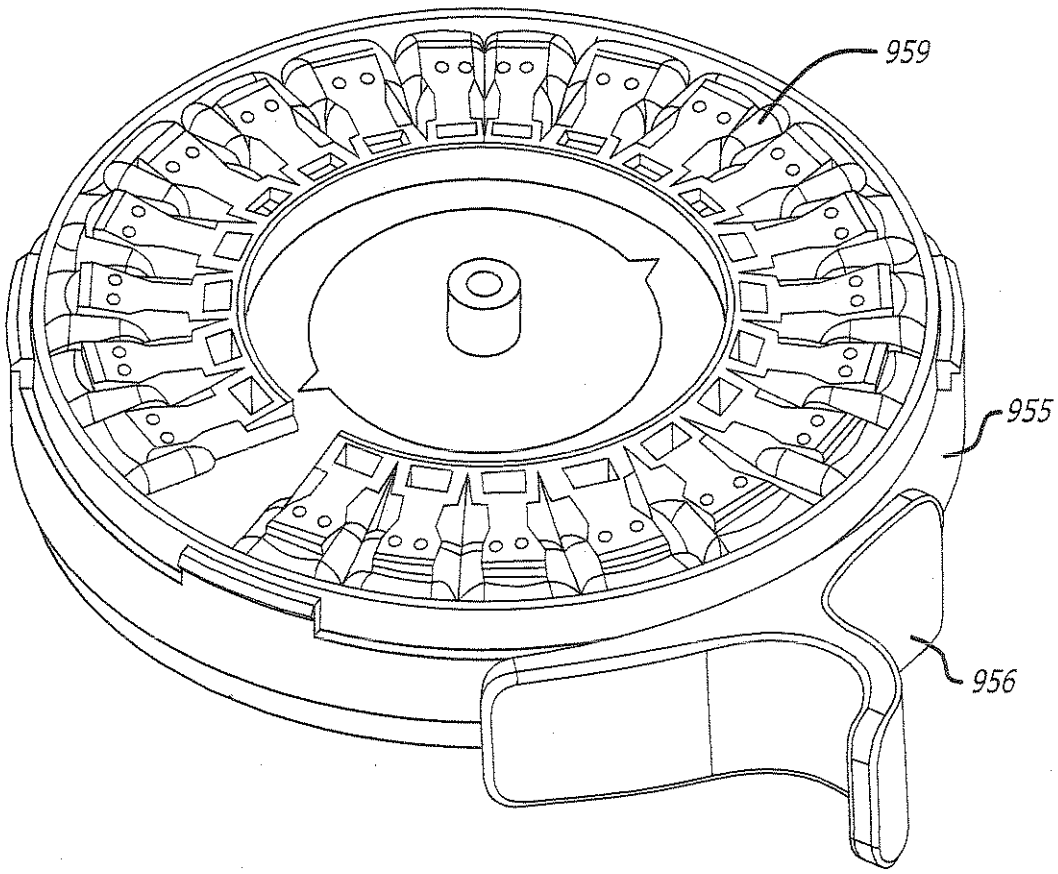


FIG. 62

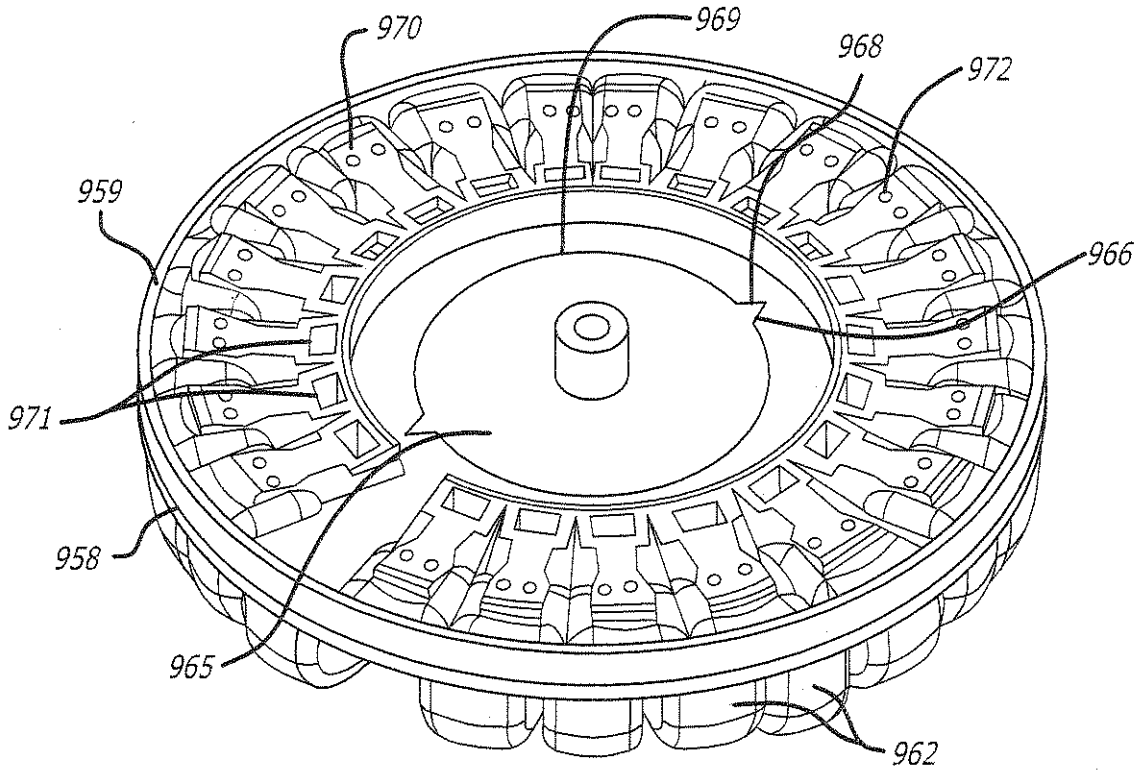


FIG. 63

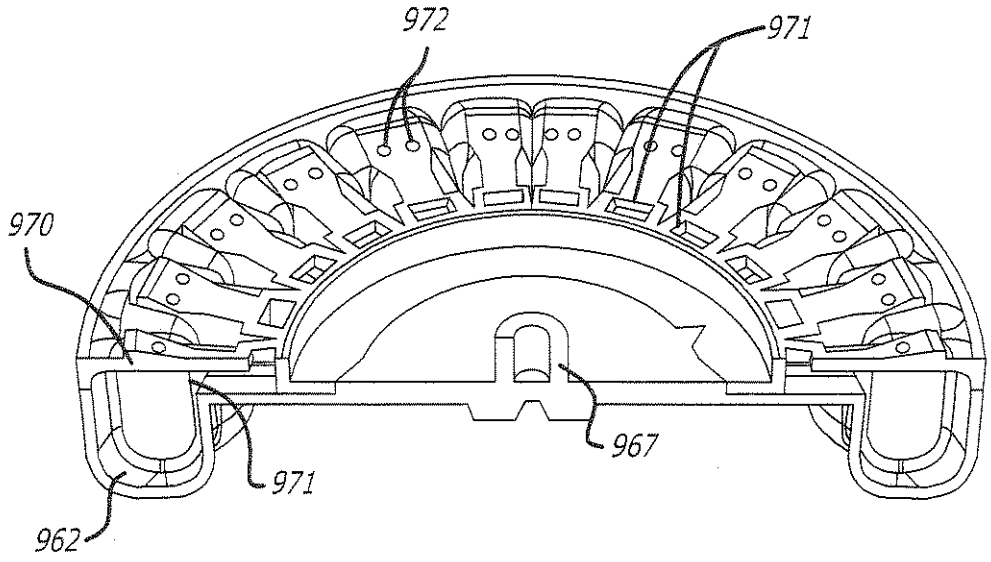


FIG. 64

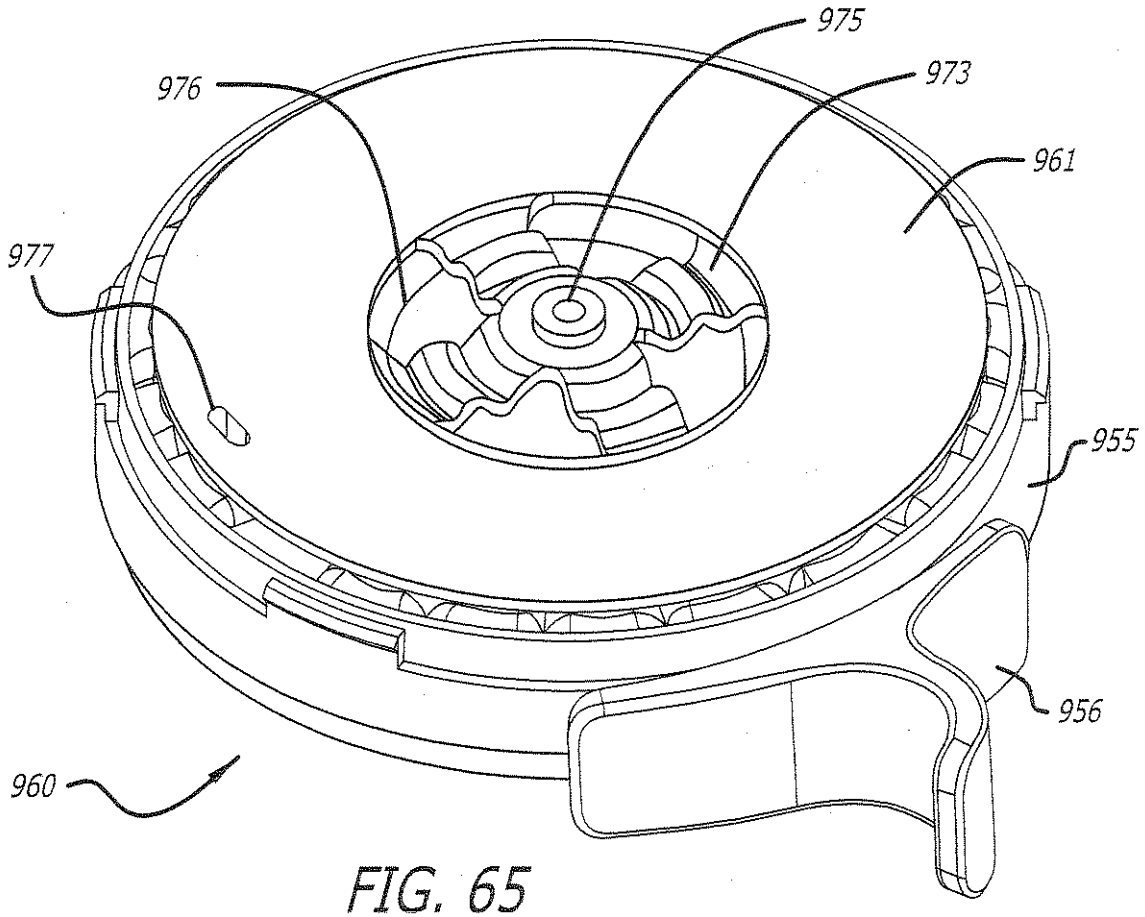


FIG. 65

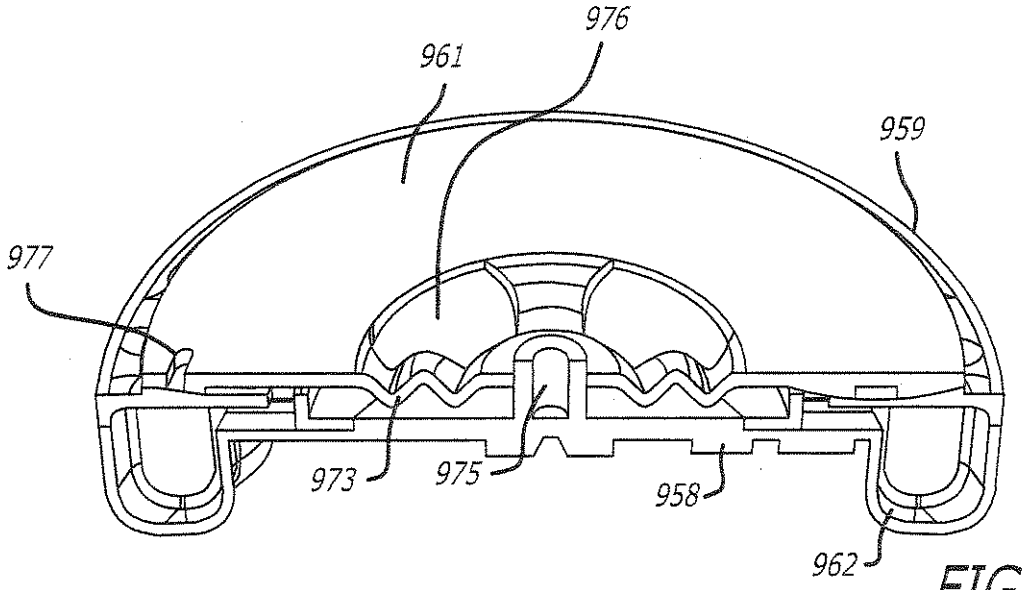


FIG. 66

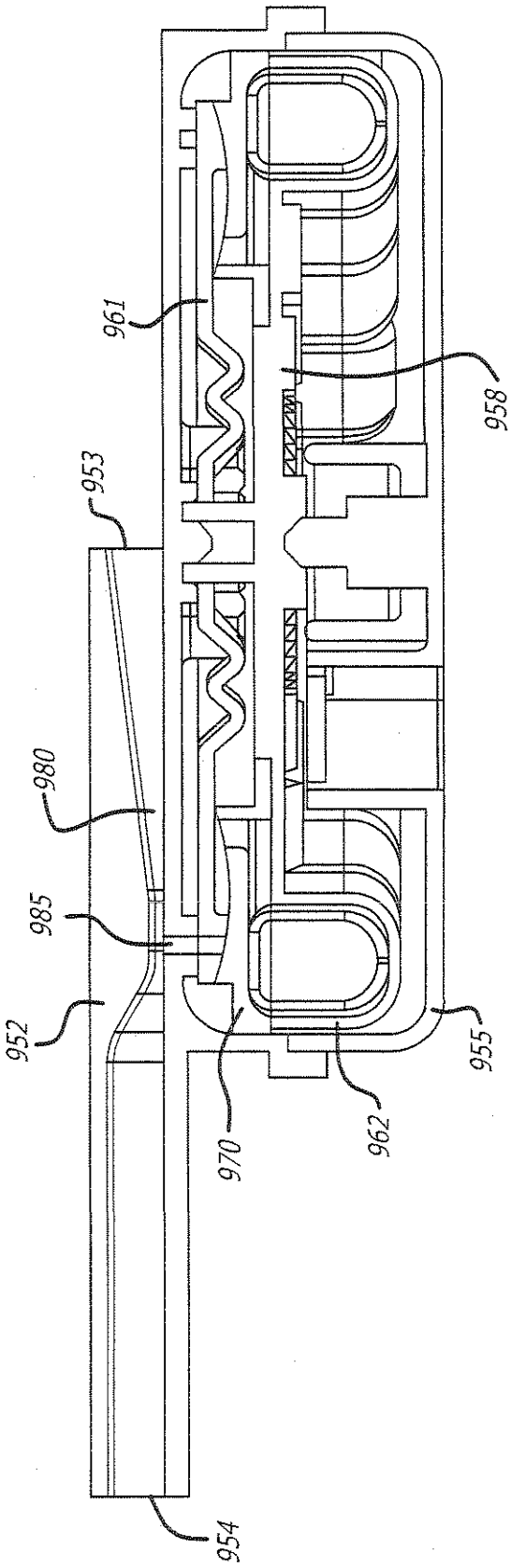


FIG. 67

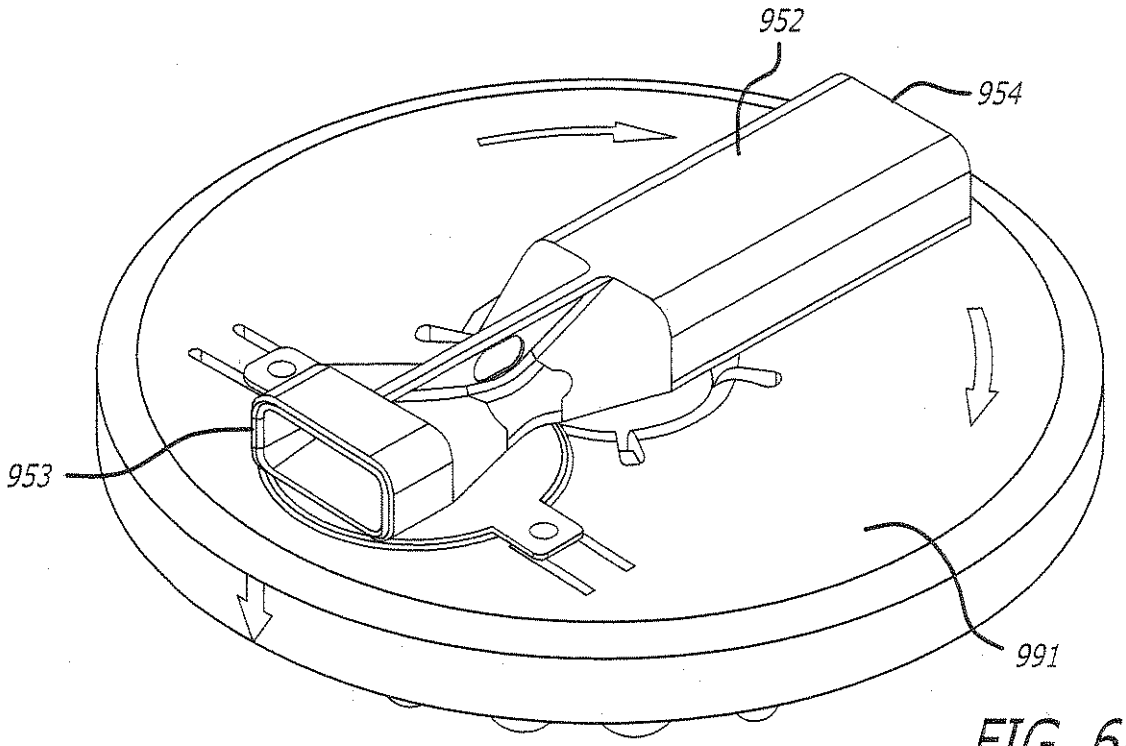
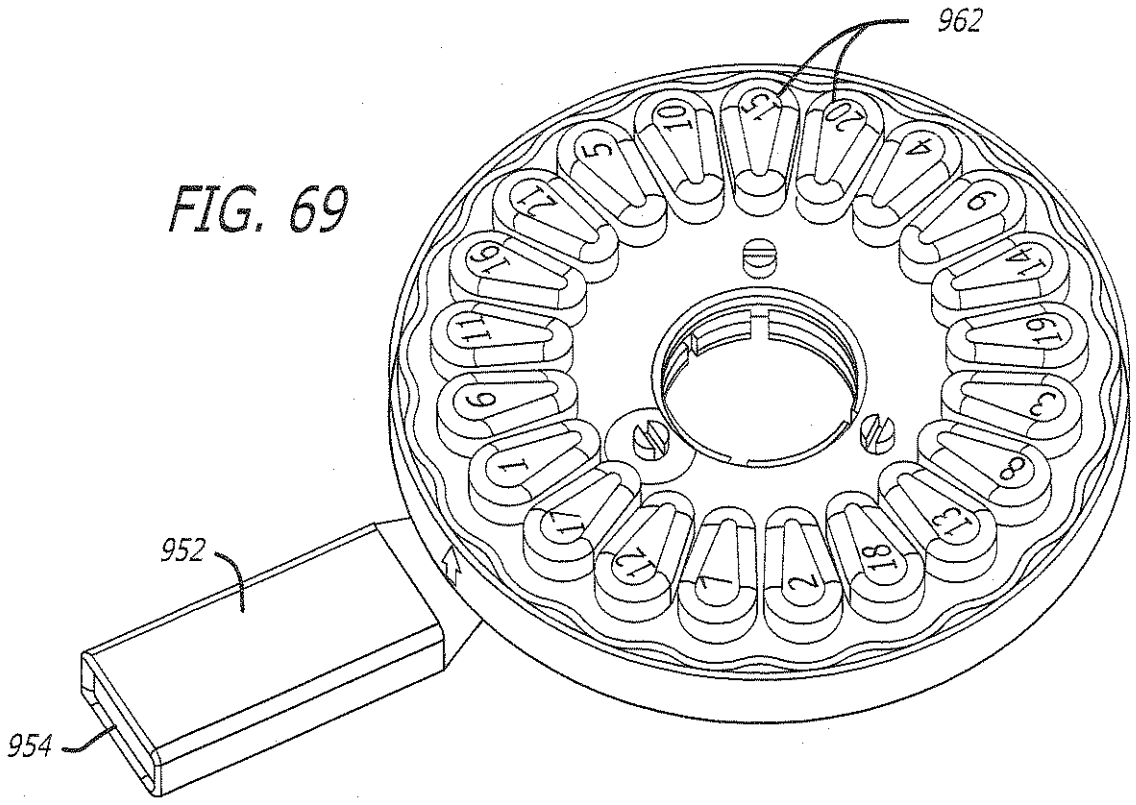


FIG. 68

FIG. 69



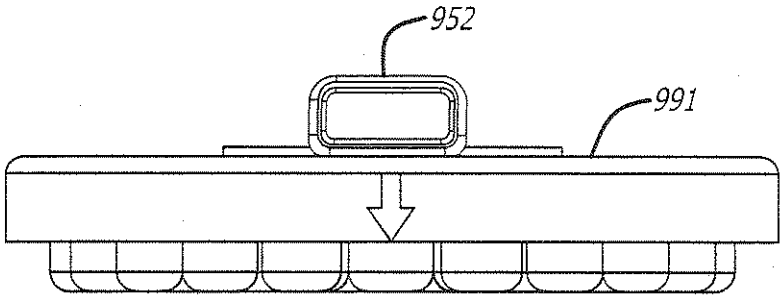


FIG. 70

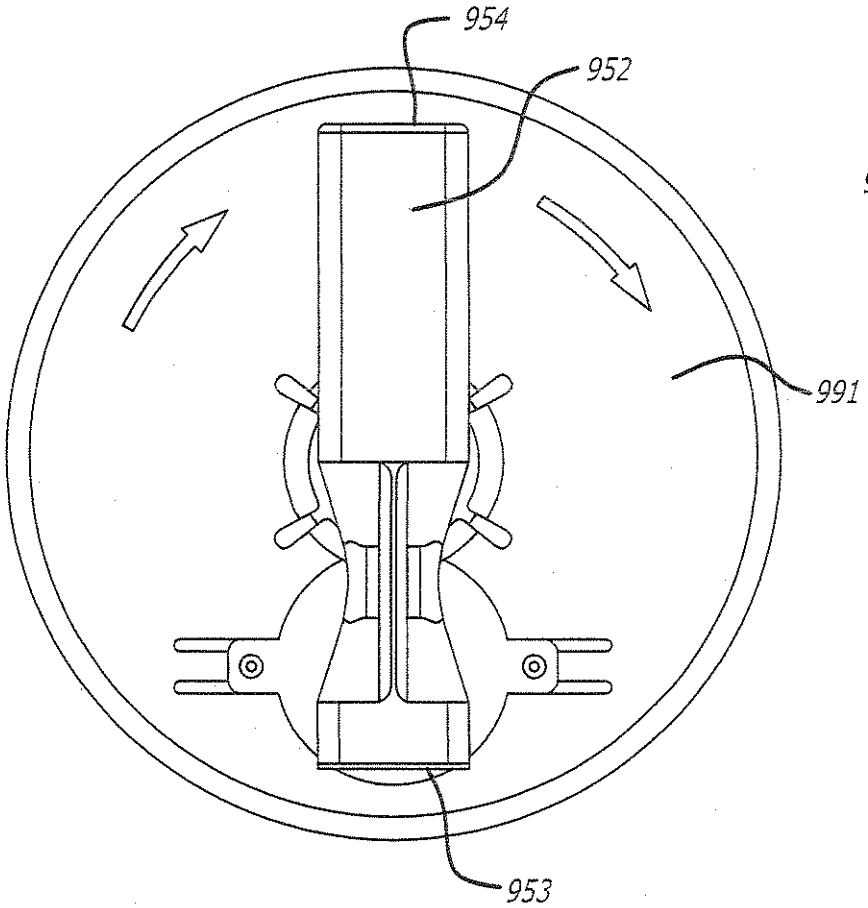


FIG. 71

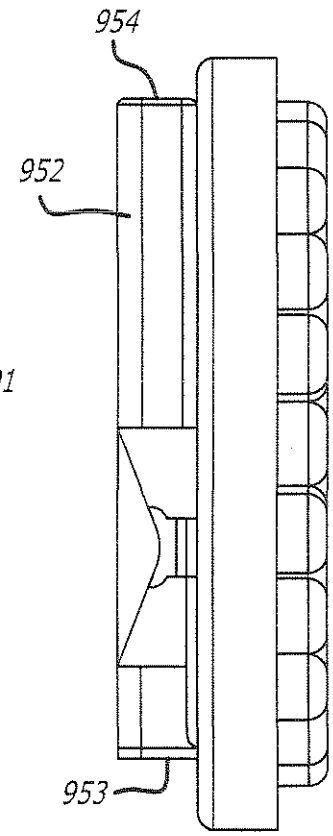


FIG. 72

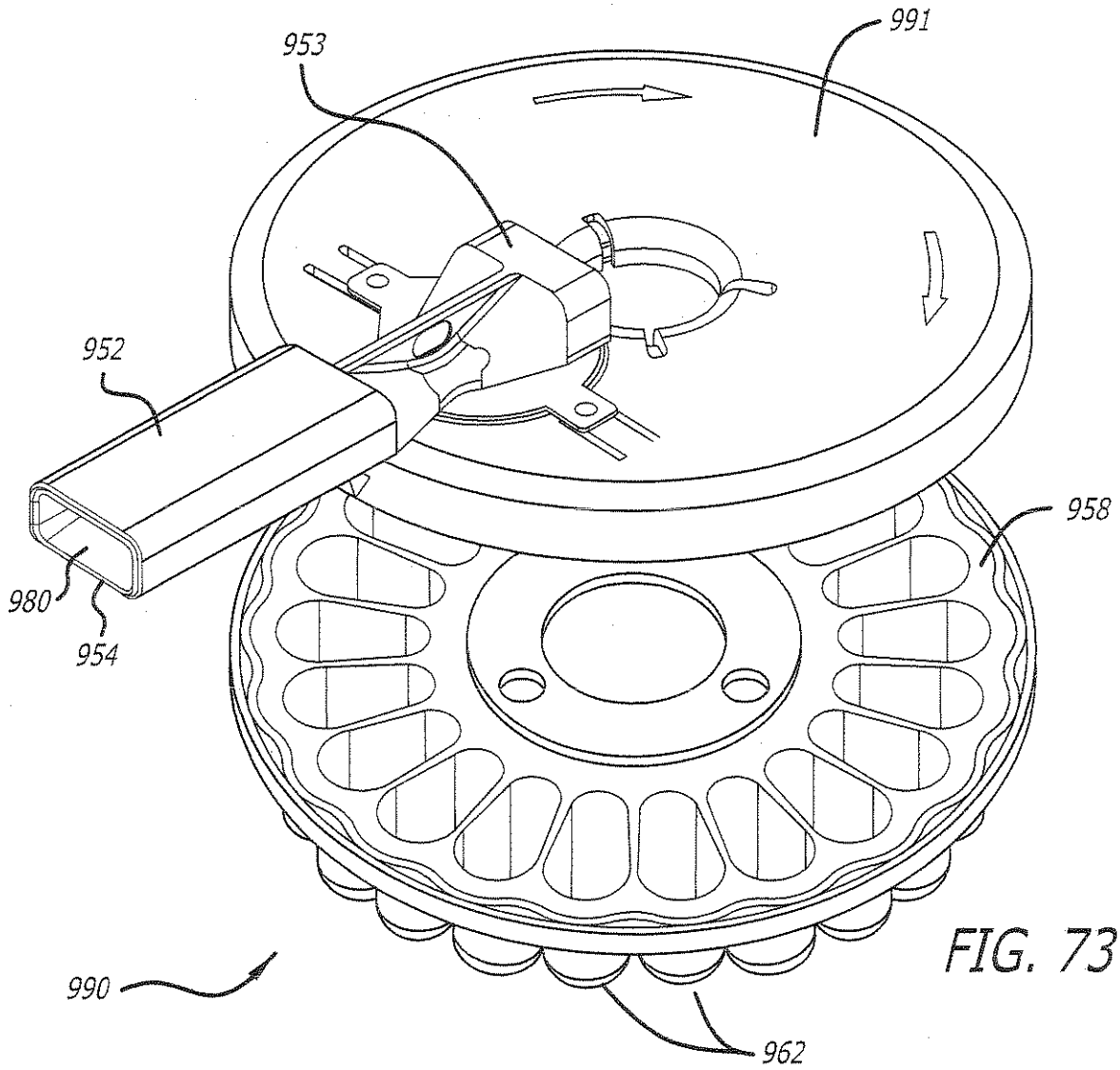


FIG. 73

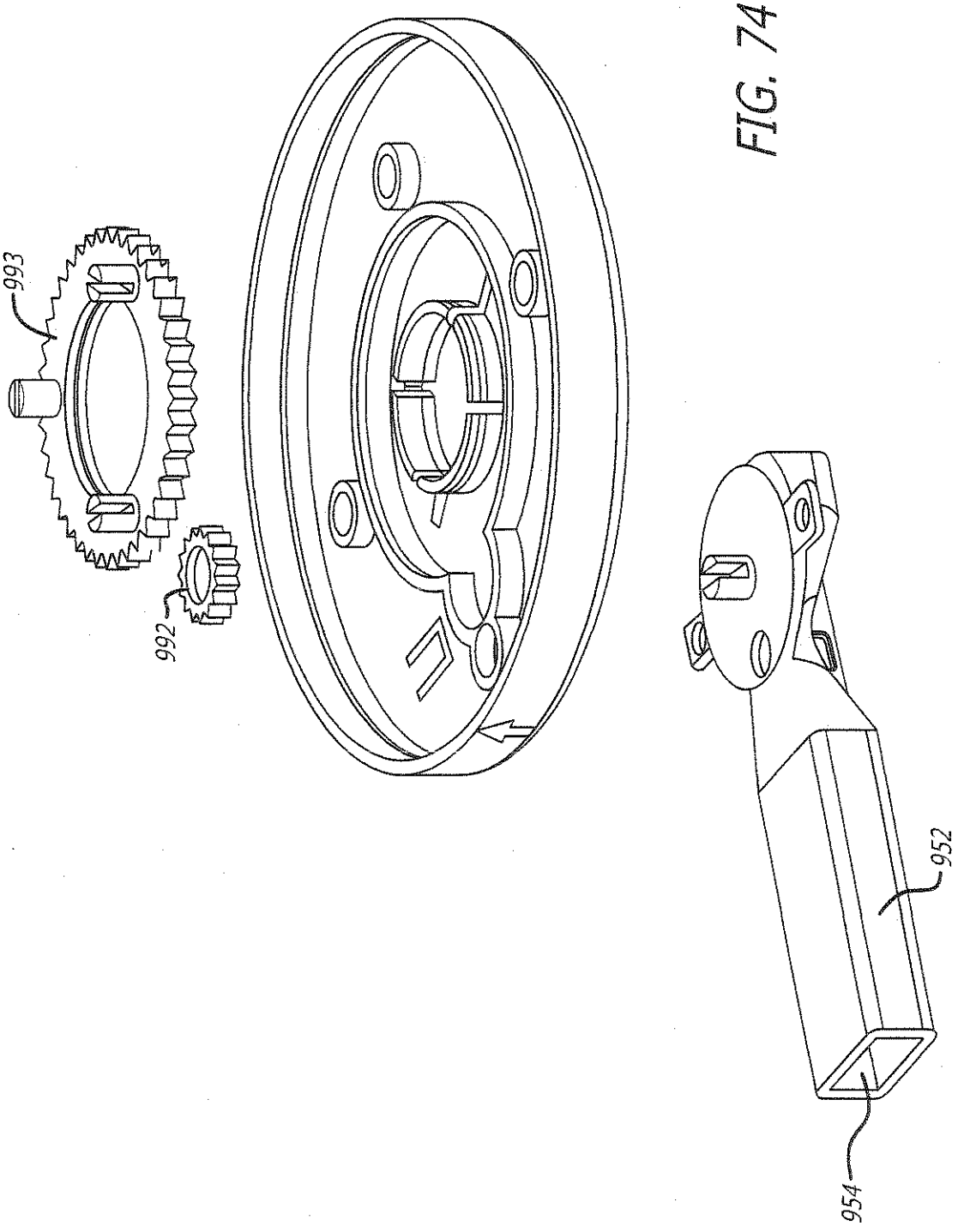


FIG. 74

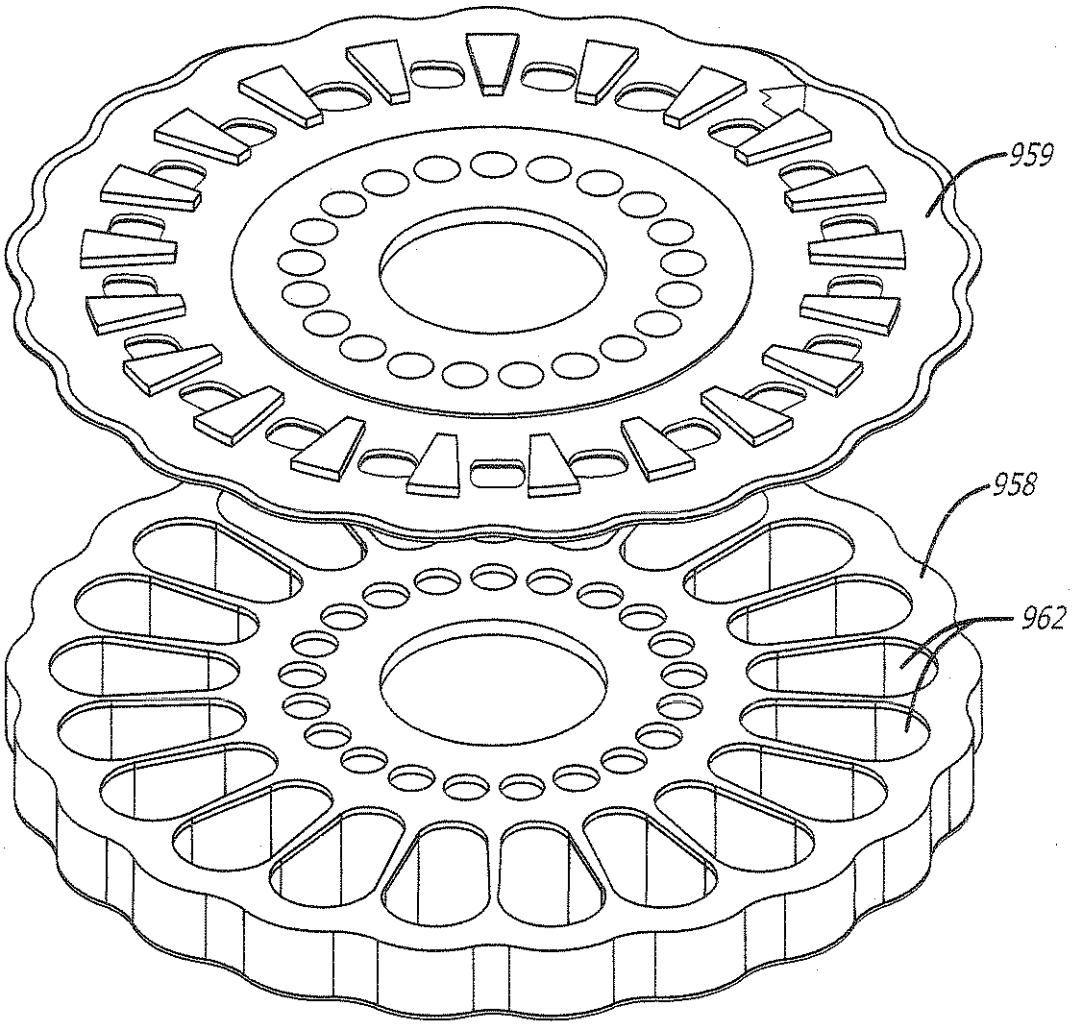


FIG. 75

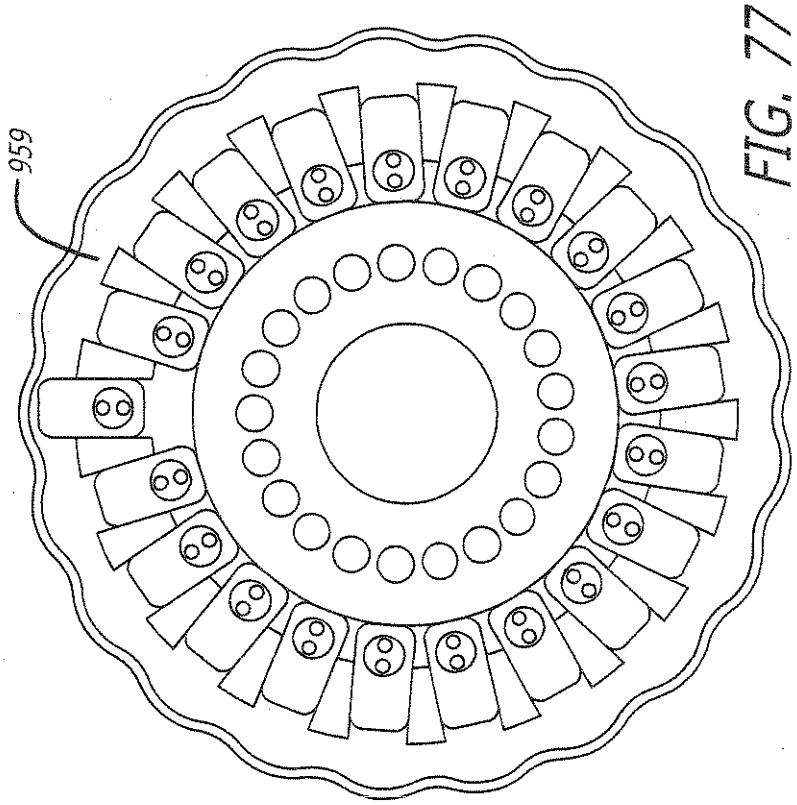


FIG. 77

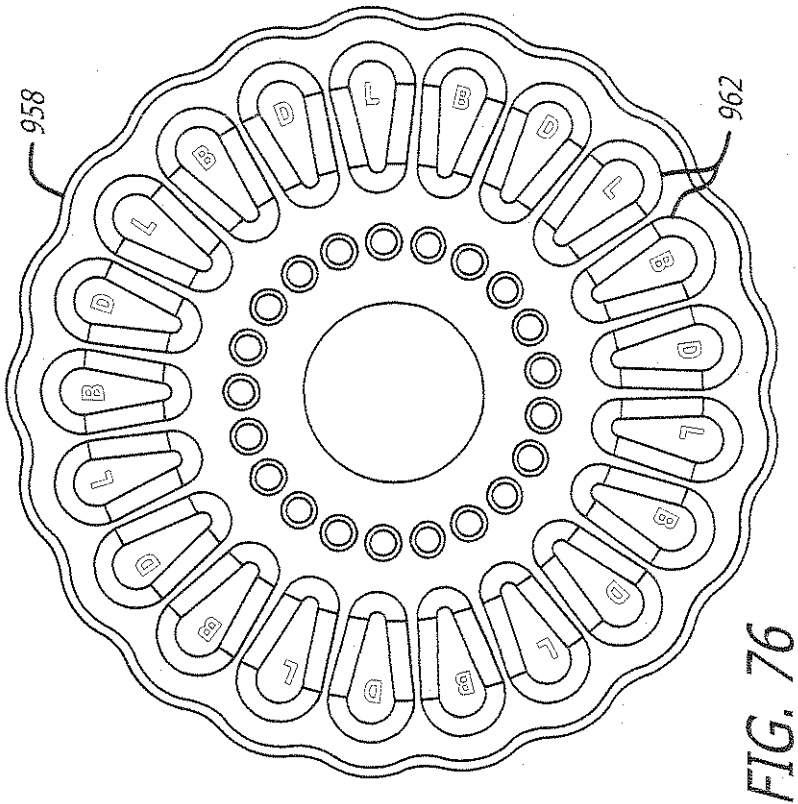


FIG. 76

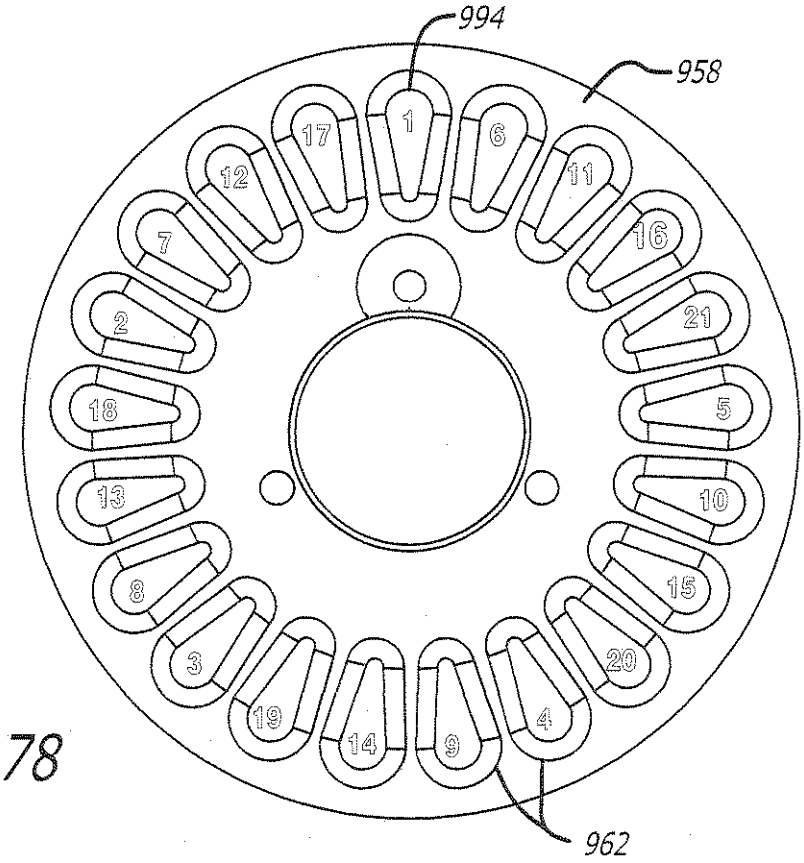


FIG. 78

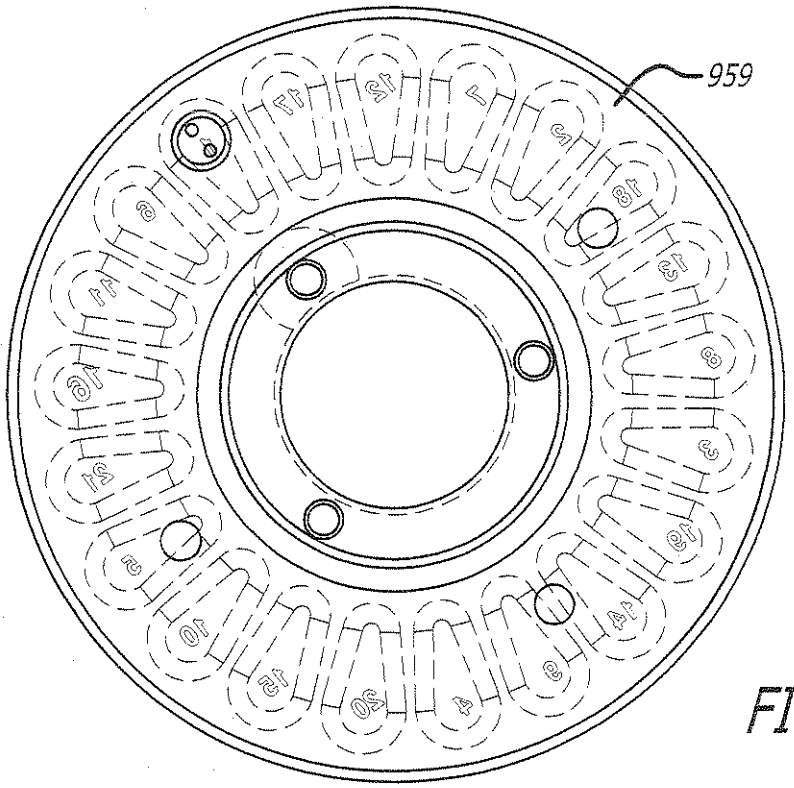


FIG. 79

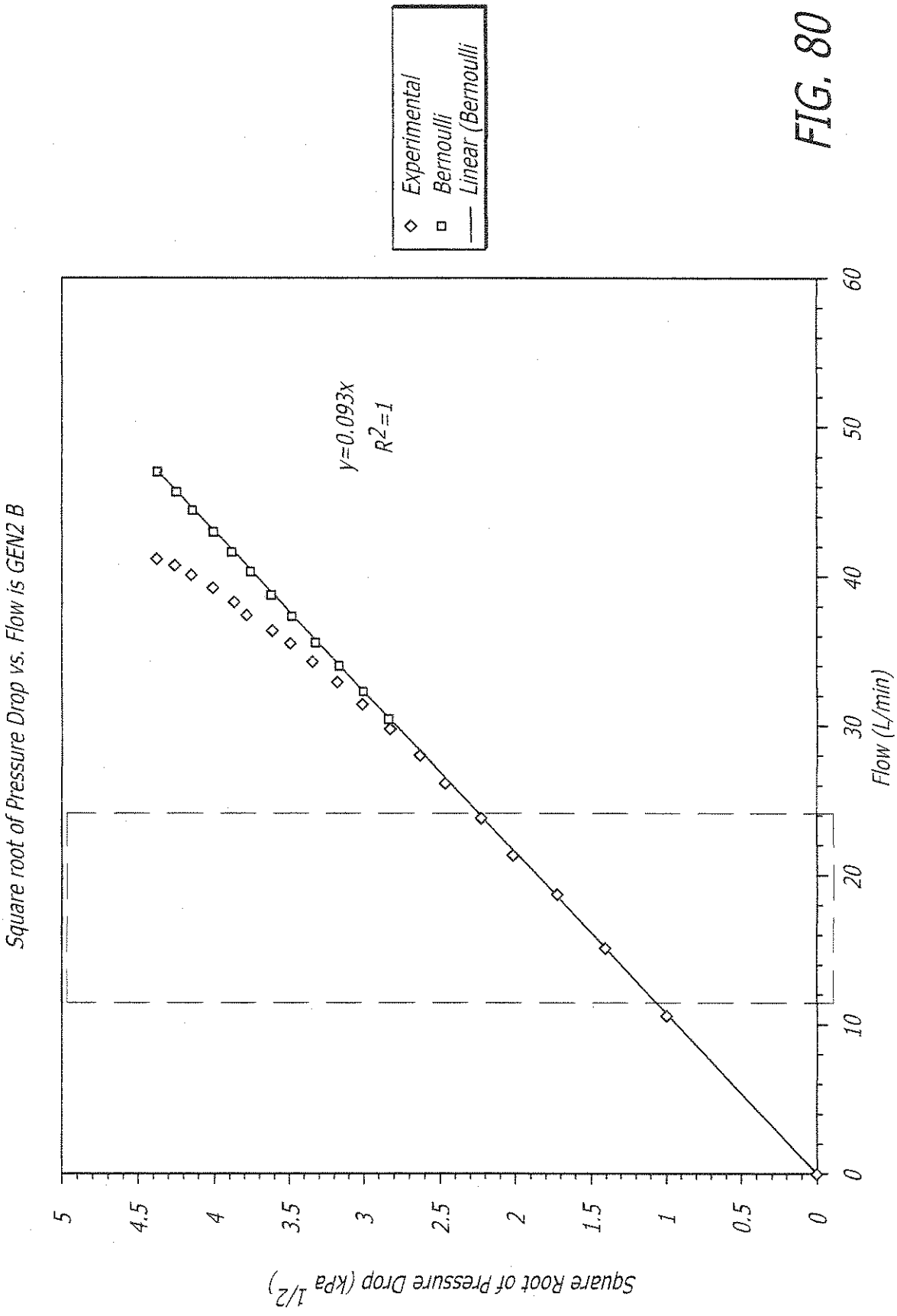

Square root of Pressure Drop vs. Flow is GEN2 B
Square Root of Pressure Drop (kPa 1/2)
Flow (L/min)
y=0.093x
R2=1
Experimental
Bernoulli
Linear (Bernoulli
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
0
10
20
30
40
50
60

FIG. 80

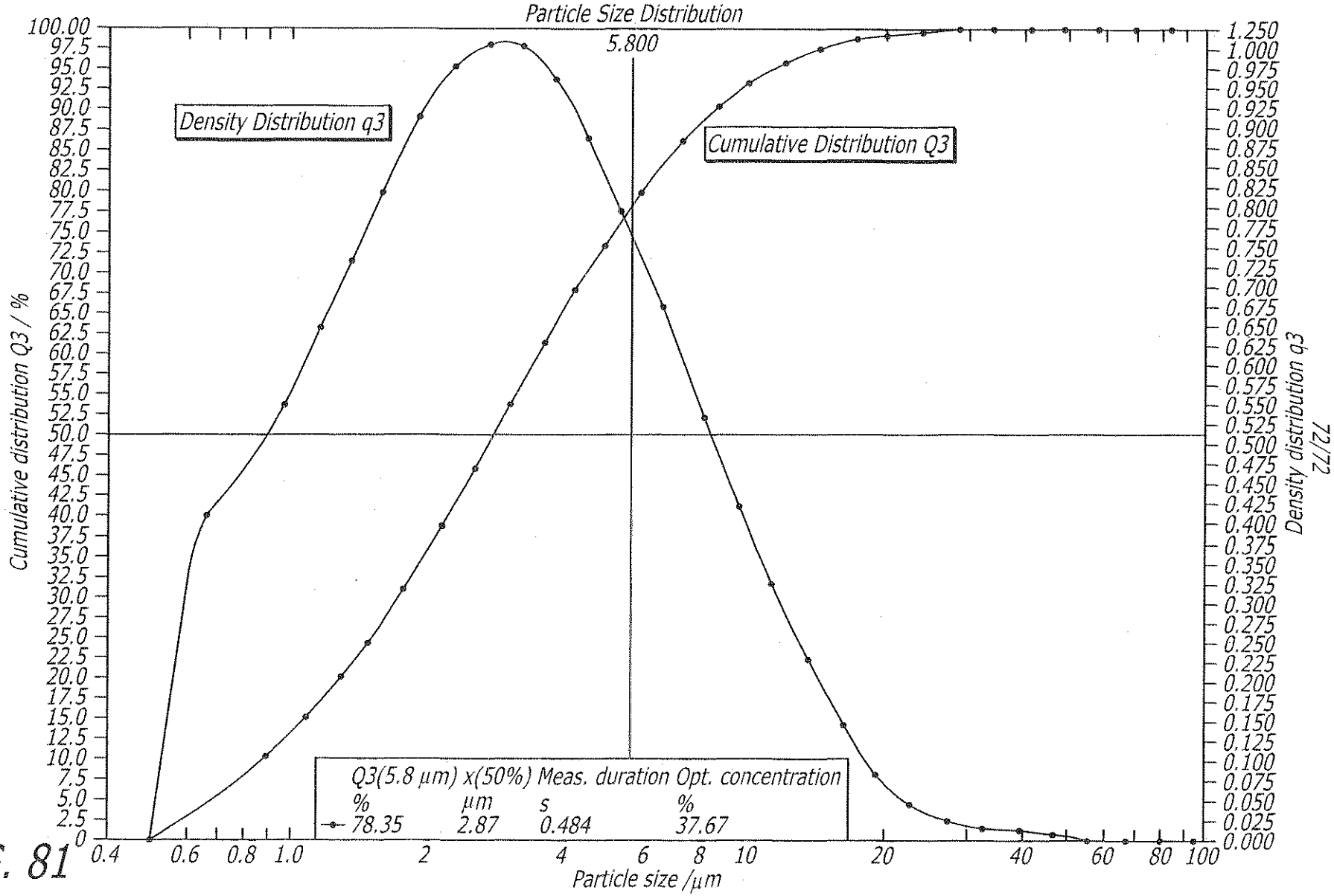

Particle Size Distribution
5.800
Density Distribution q3
Cumulative Distribution Q3
Cumulative distribution Q3 / %
Density distribution q3
Particle size /µm
Q3(5.8 µm) x(50%) Meas. duration Opt. concentration
% µm s %
78.35 2.87 0.484 37.67
72/72

FIG. 81