FIG. 1

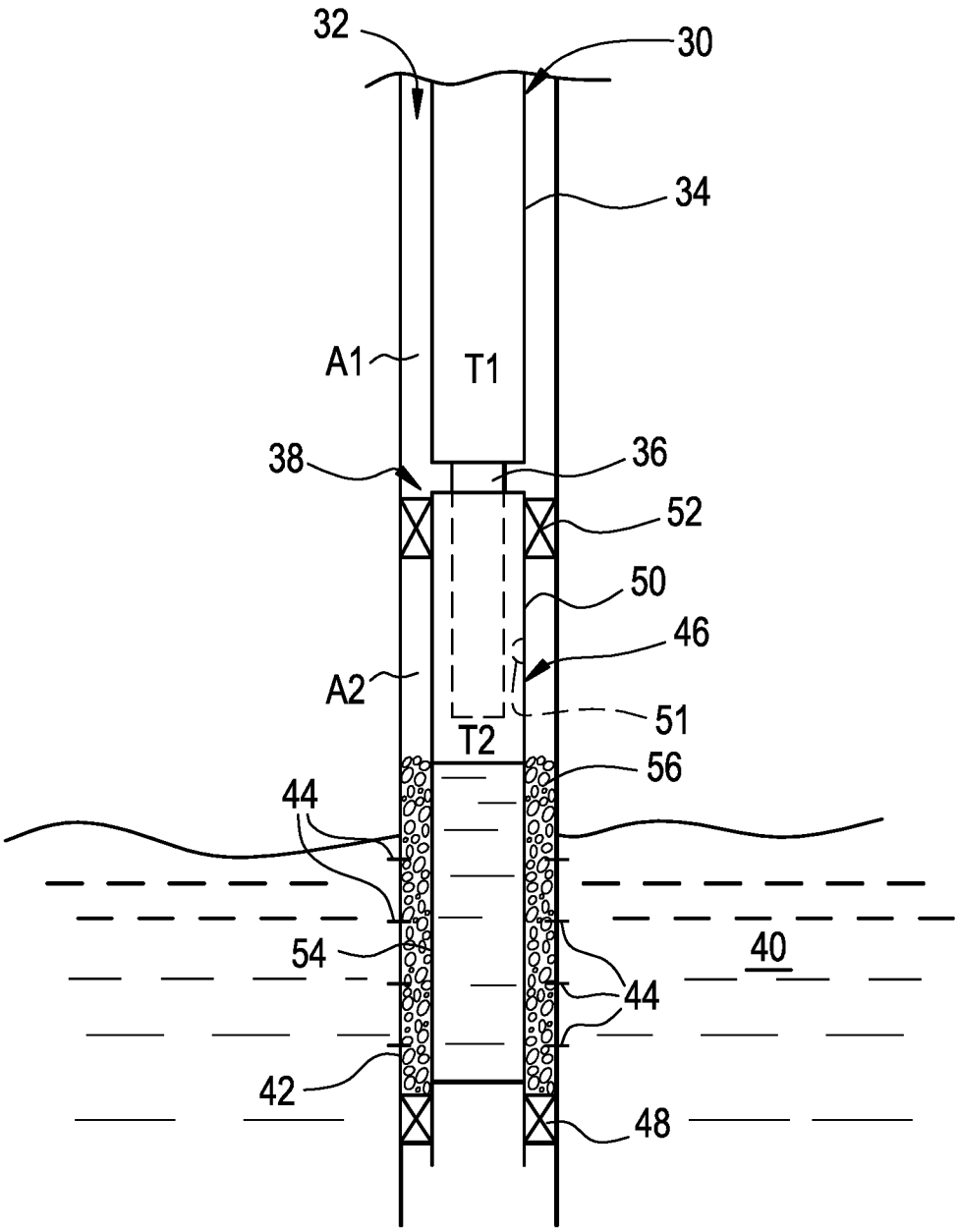


FIG. 2

T1 = Tubing Above
T2 = Tubing Below
A1 = Annulus Above
A2 = Annulus Below

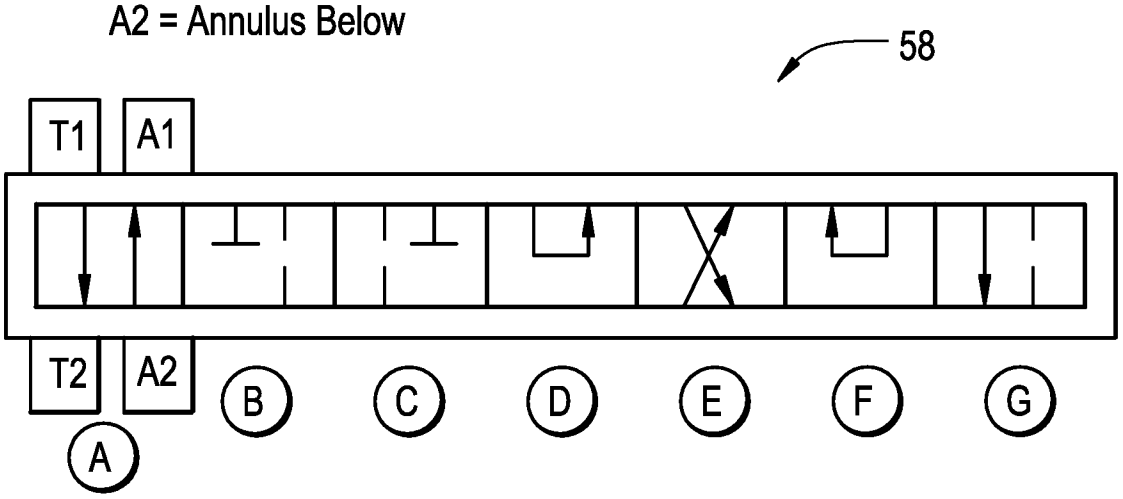


FIG. 3

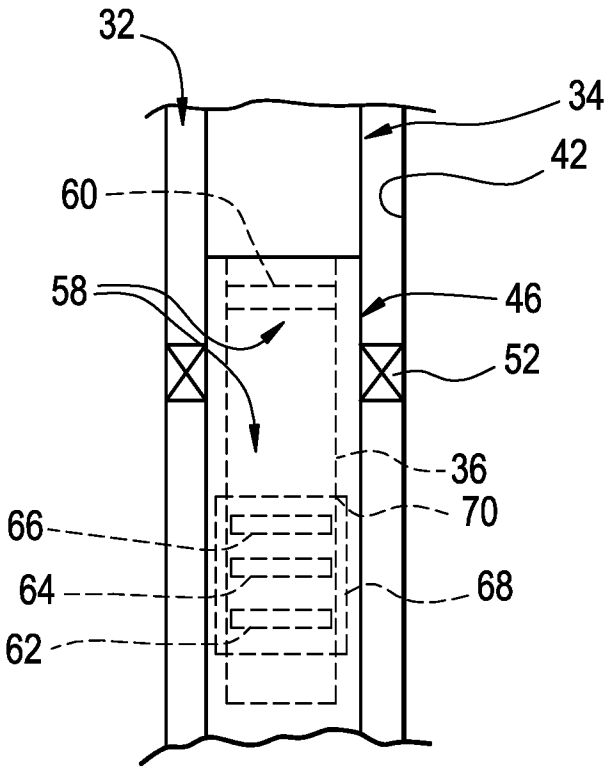


FIG. 4

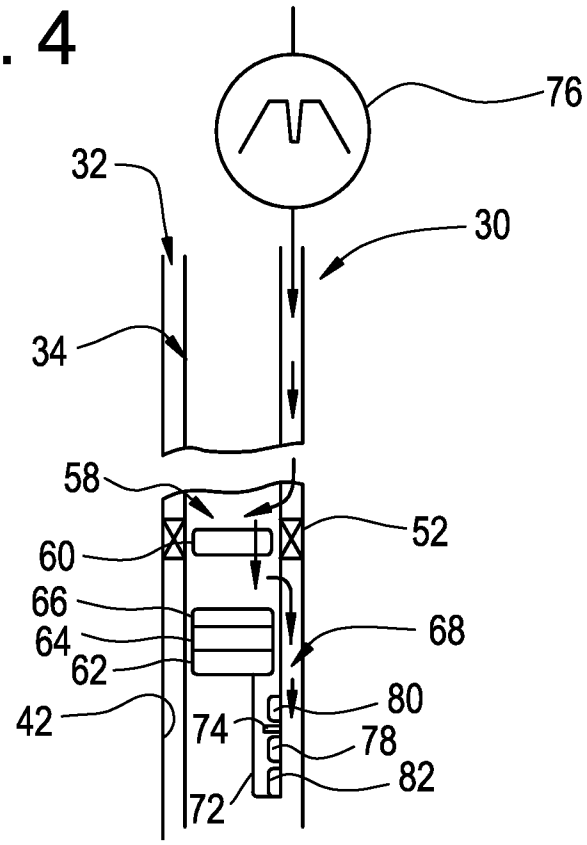

76
32
30
34
58
52
60
66
64
62
68
42
74
80
78
82
72

FIG. 5

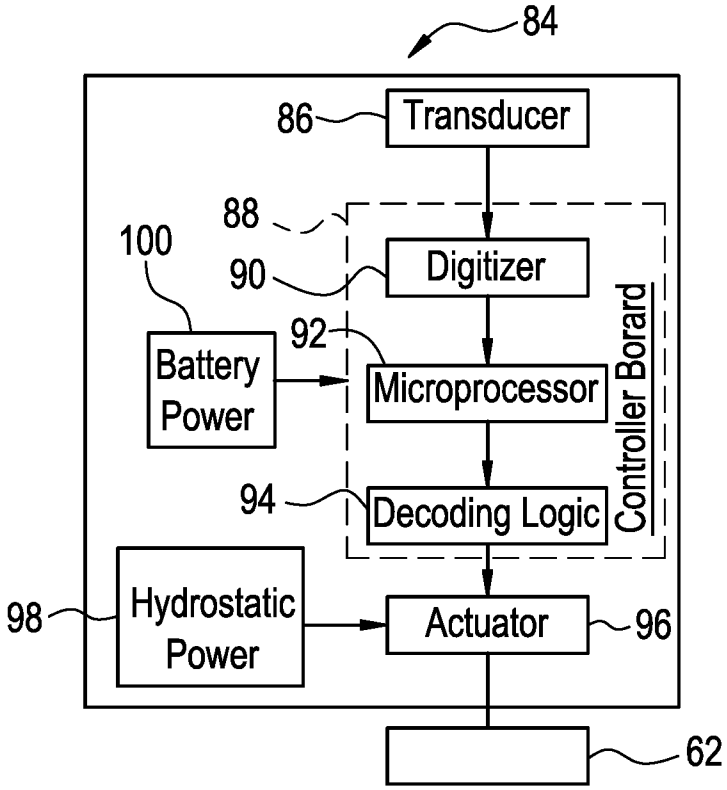

84
86
Transducer
88
100
90
Digitizer
92
Battery Power
Microprocessor
Controller Borard
94
Decoding Logic
98
Hydrostatic Power
Actuator
96
62

FIG. 6

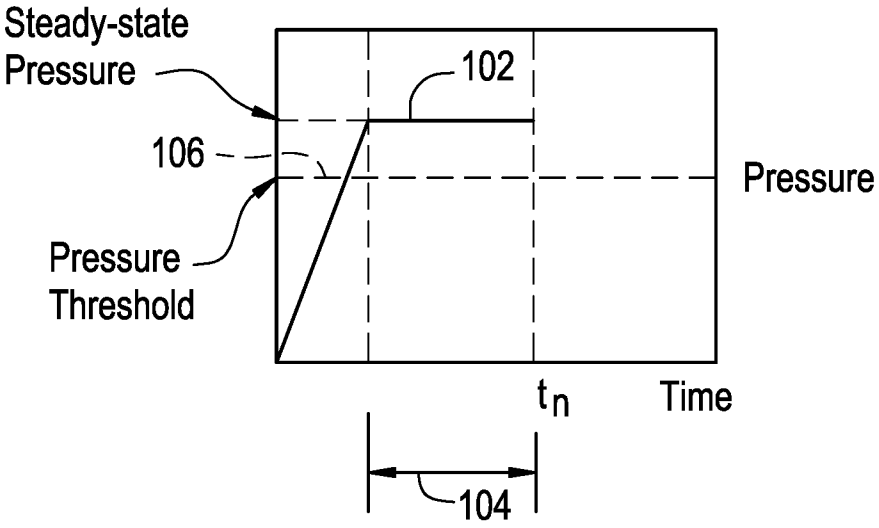


FIG. 7

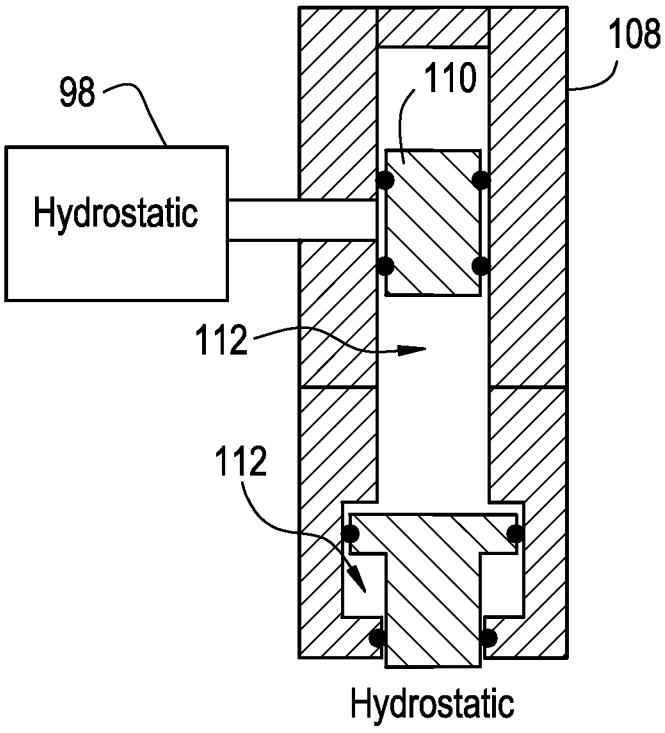


FIG. 8

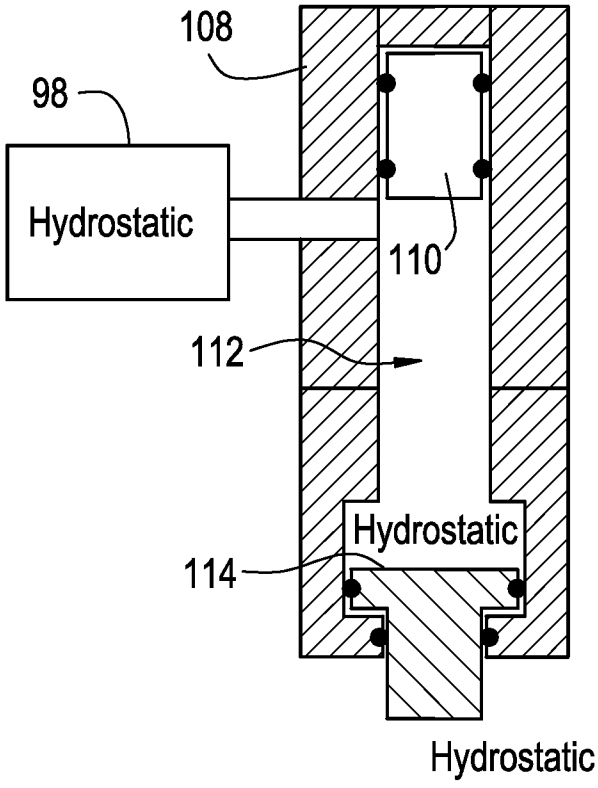


FIG. 9

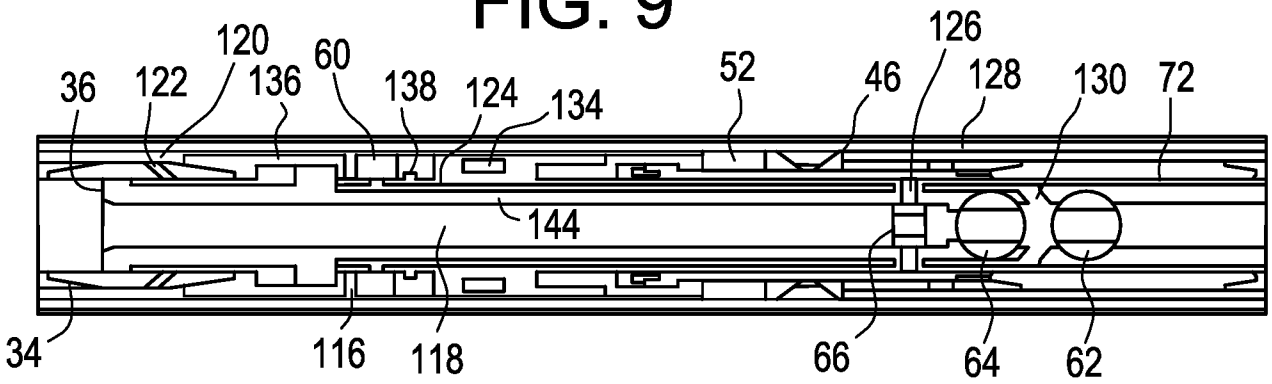


FIG. 10

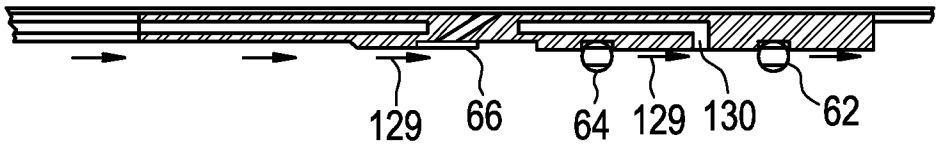


FIG. 11

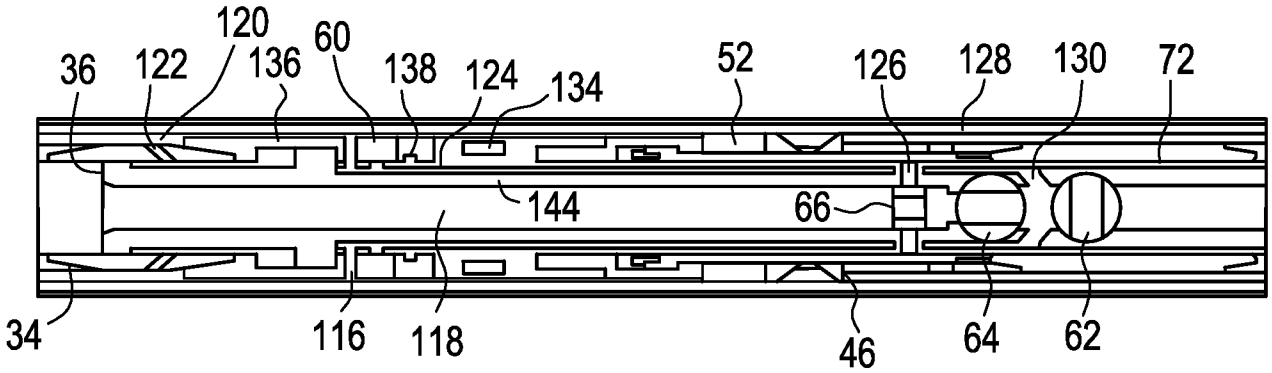


FIG. 12

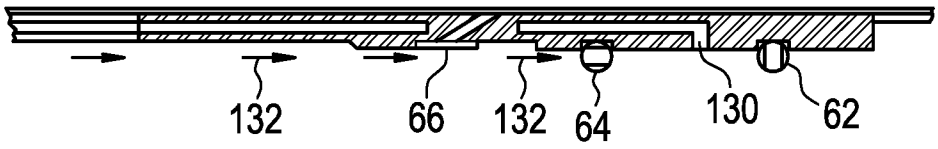


FIG. 13

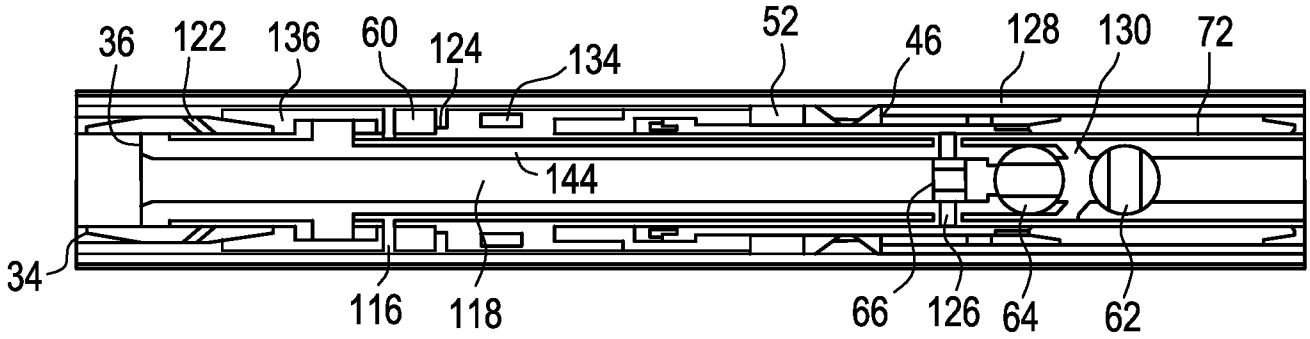


FIG. 14

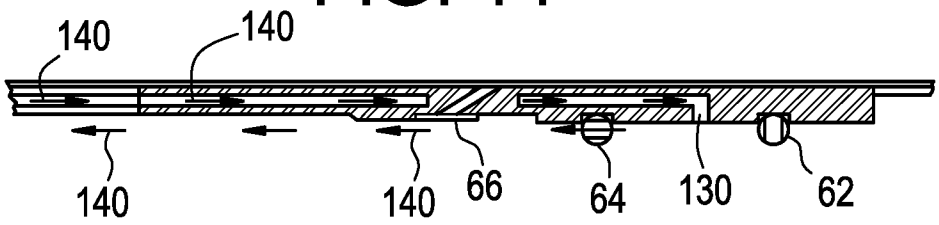


FIG. 15

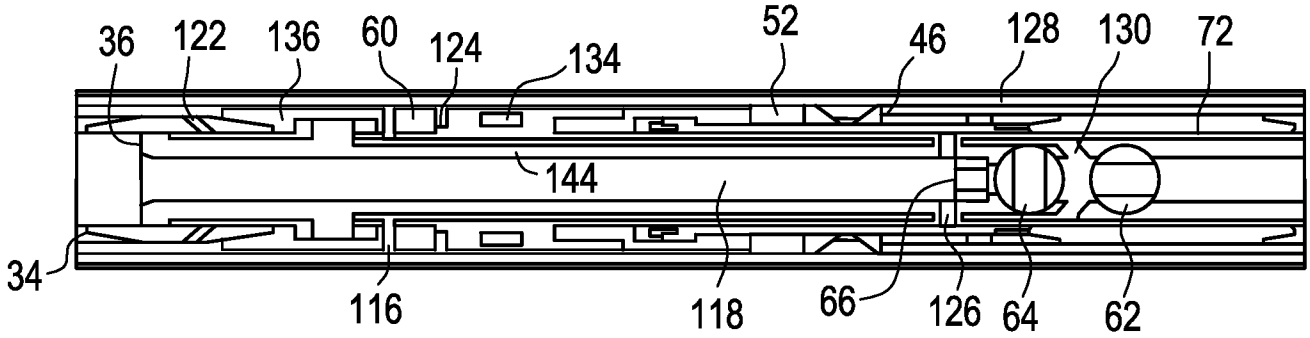


FIG. 16

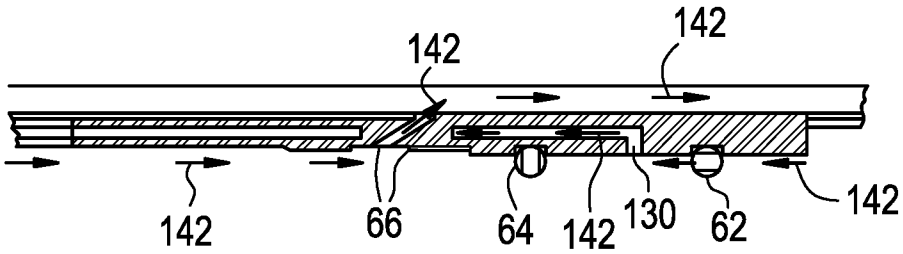


FIG. 17

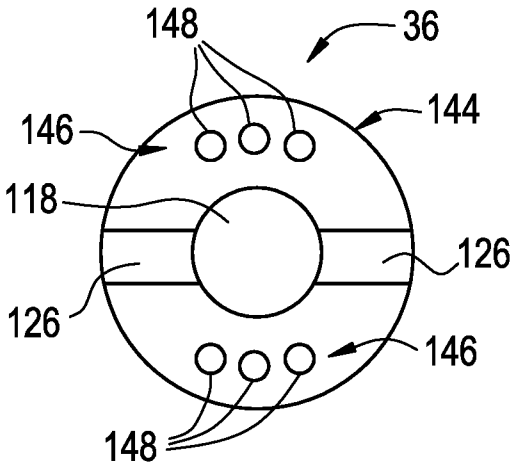


FIG. 18

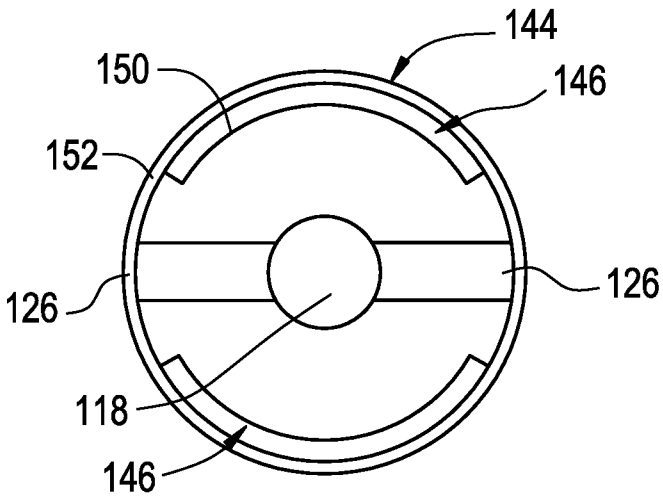


FIG. 19

