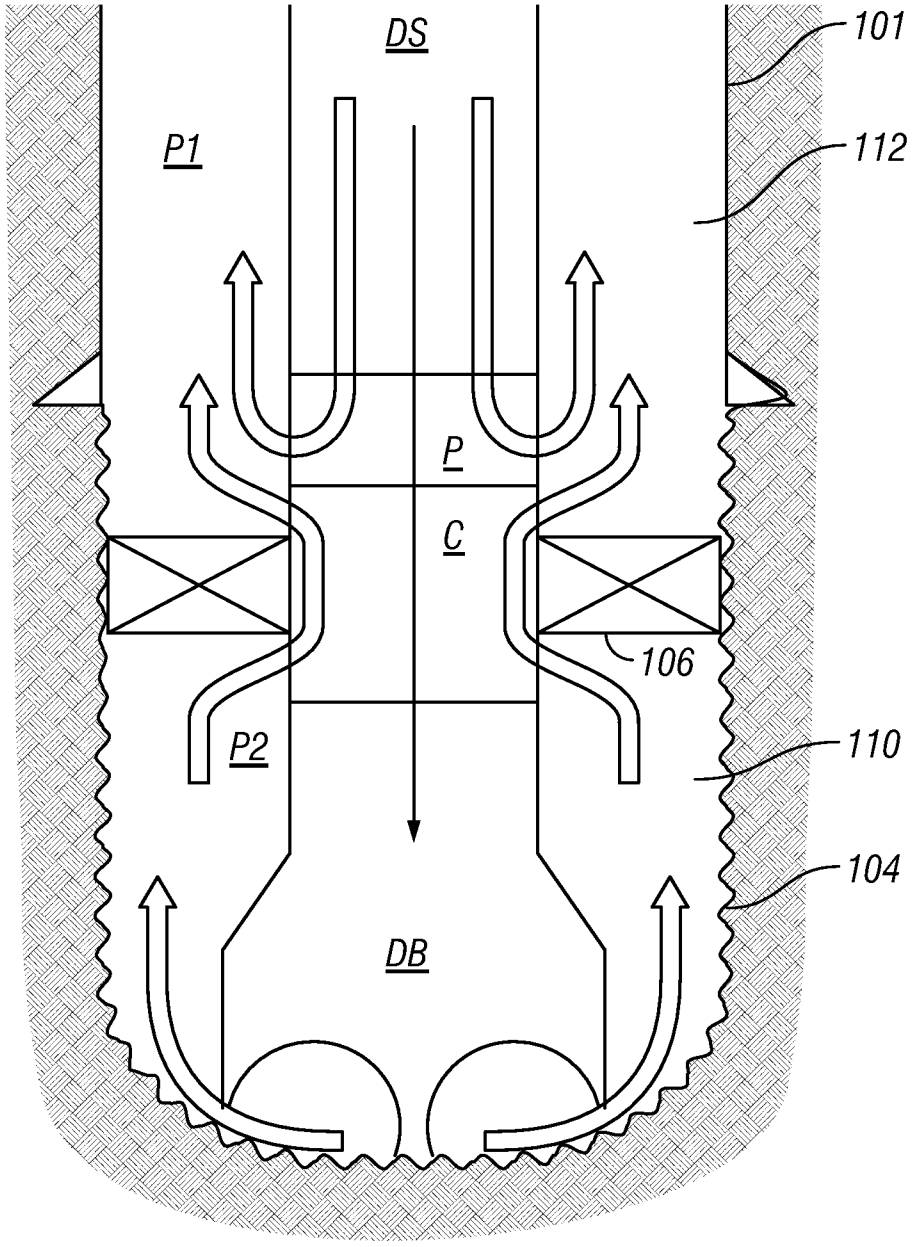


FIG. 1

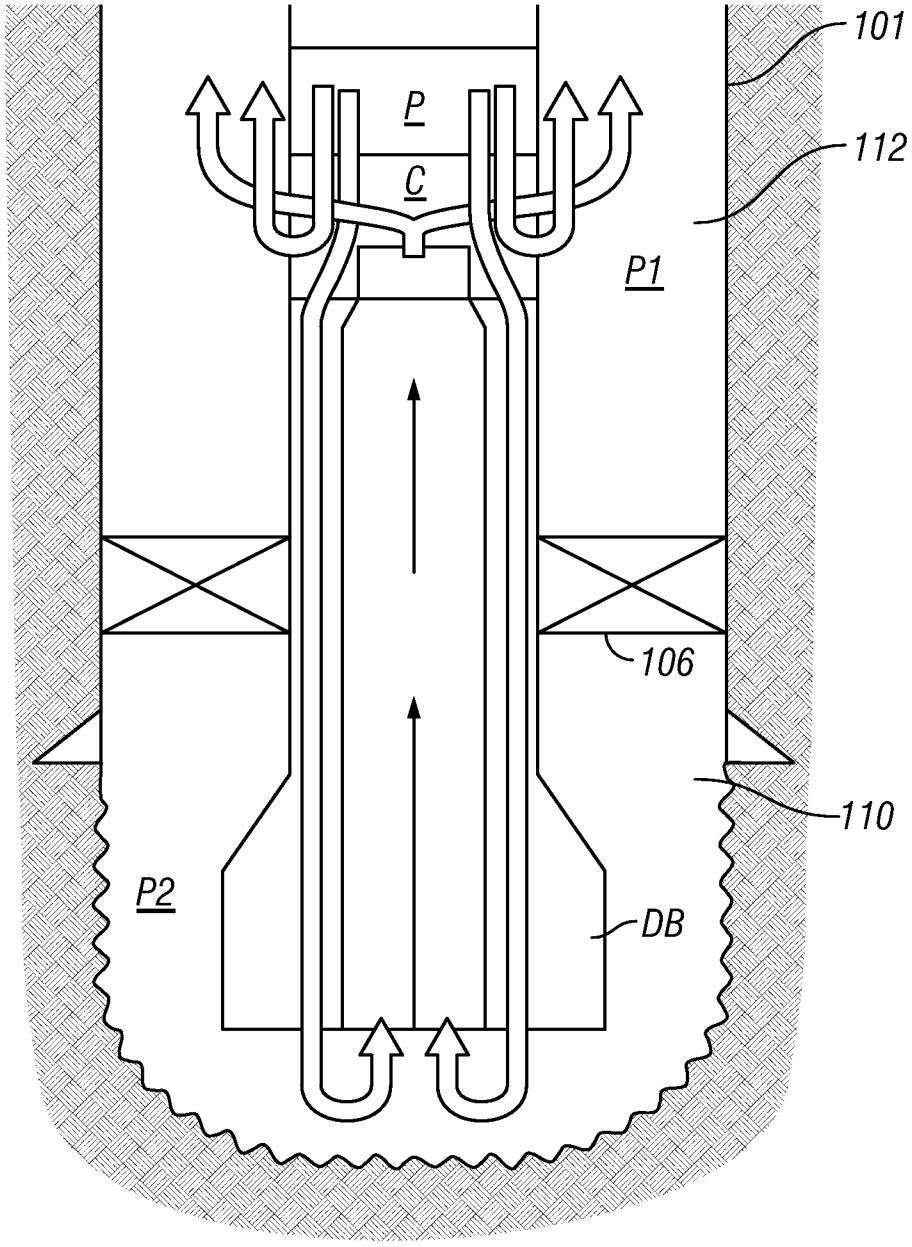


FIG. 2

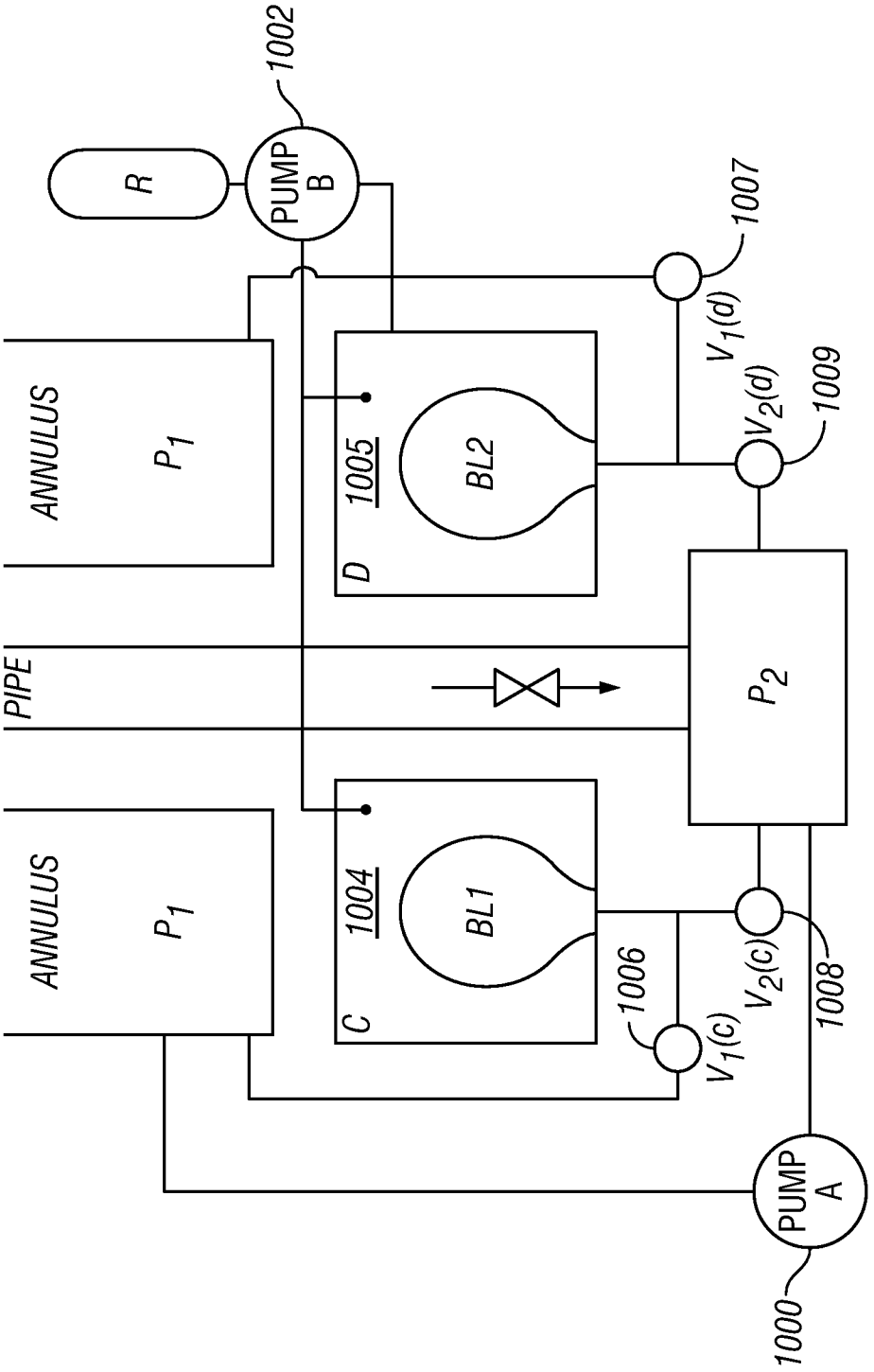

R
PUMP B
1002
ANNULUS
P_1
D
1005
BL2
$V_1(d)$
1007
$V_2(d)$
1009
PIPE
P_2
ANNULUS
P_1
C
1004
BL1
1006
$V_1(c)$
$V_2(c)$
1008
PUMP A
1000

FIG. 3

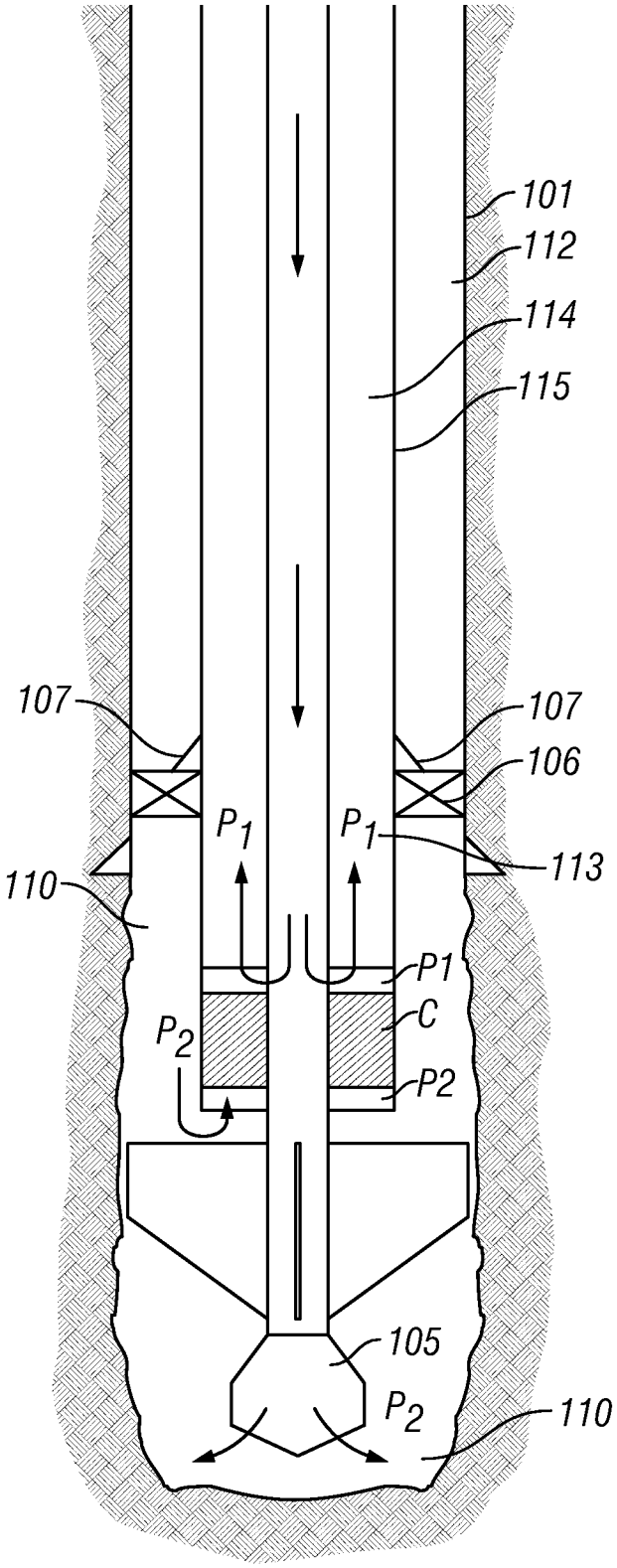


FIG. 4

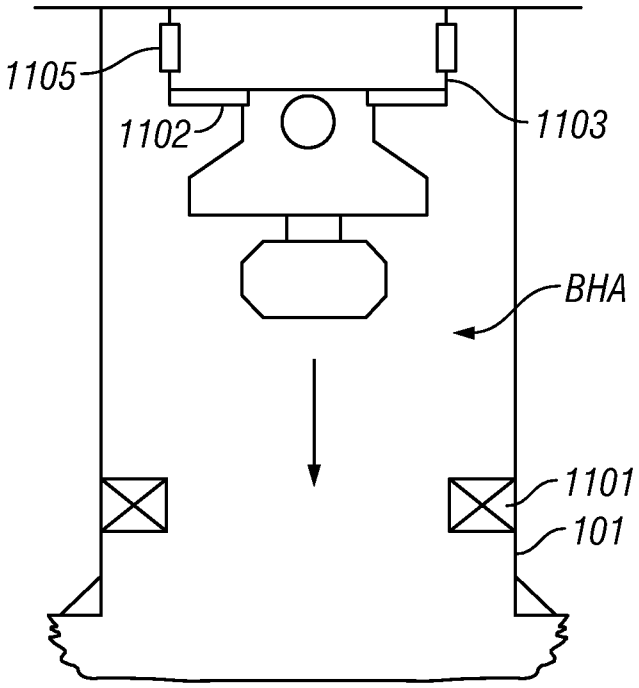


FIG. 5

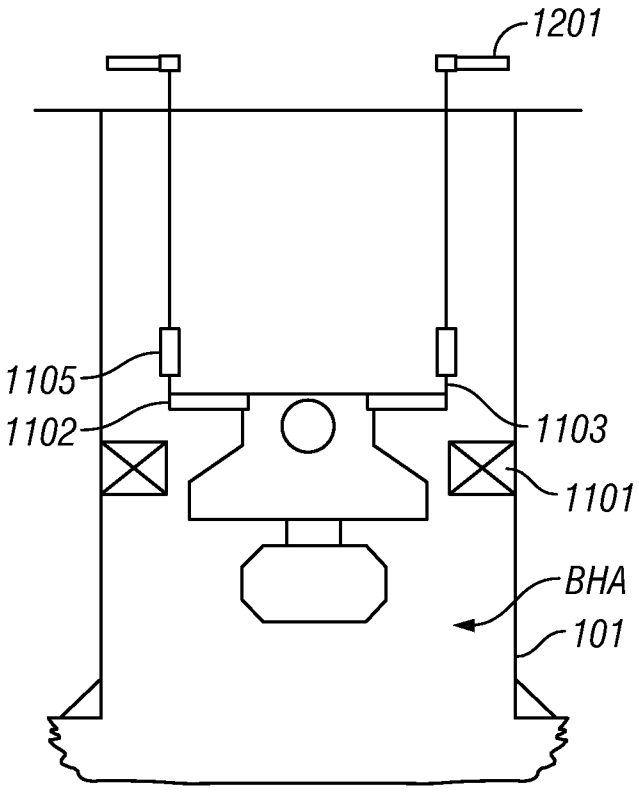


FIG. 6

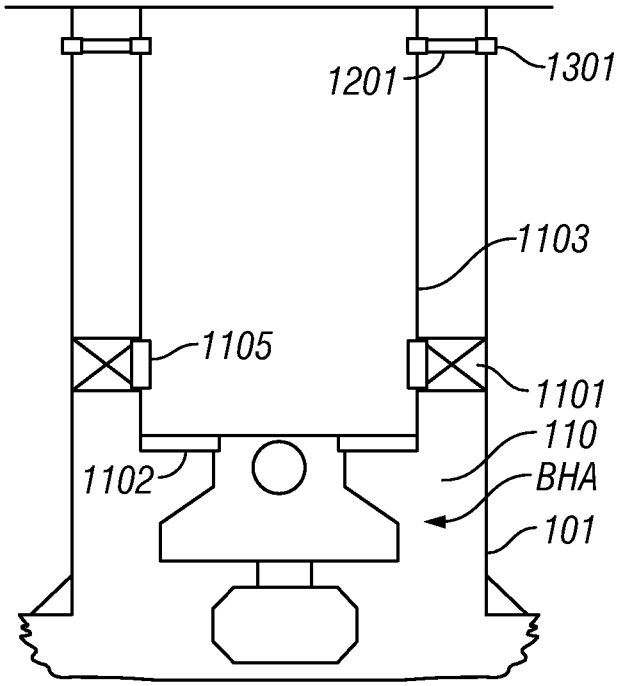

1201
1301
1103
1105
1101
110
1102
BHA
101

FIG. 7

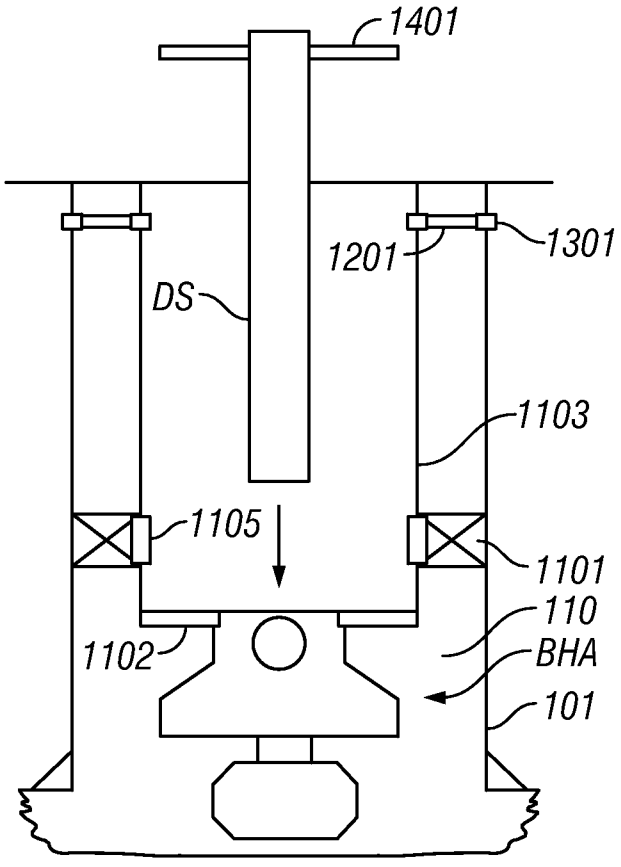

1401
1201
1301
DS
1103
1105
1101
110
1102
BHA
101

FIG. 8

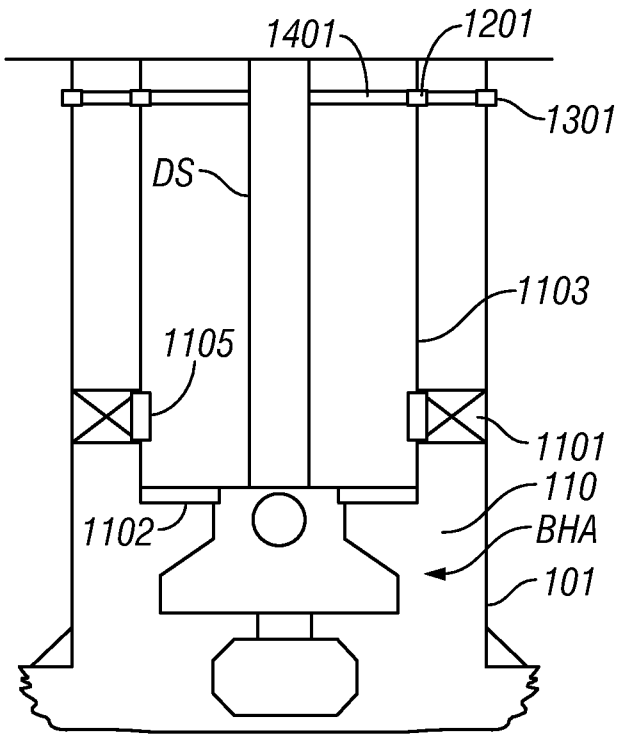

1401
1201
1301
DS
1103
1105
1101
110
1102
BHA
101

FIG. 9

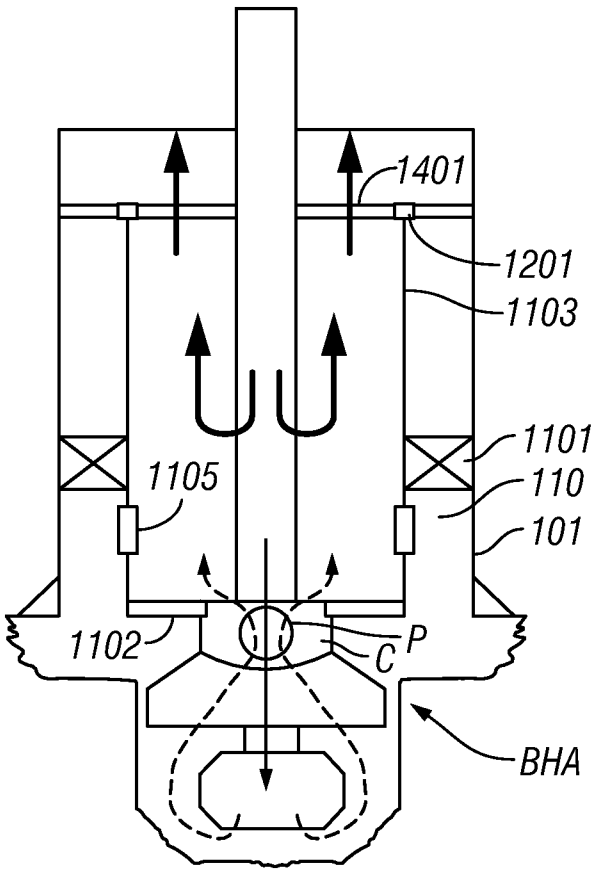

1401
1201
1103
1101
1105
110
101
1102
P
C
BHA

FIG. 10

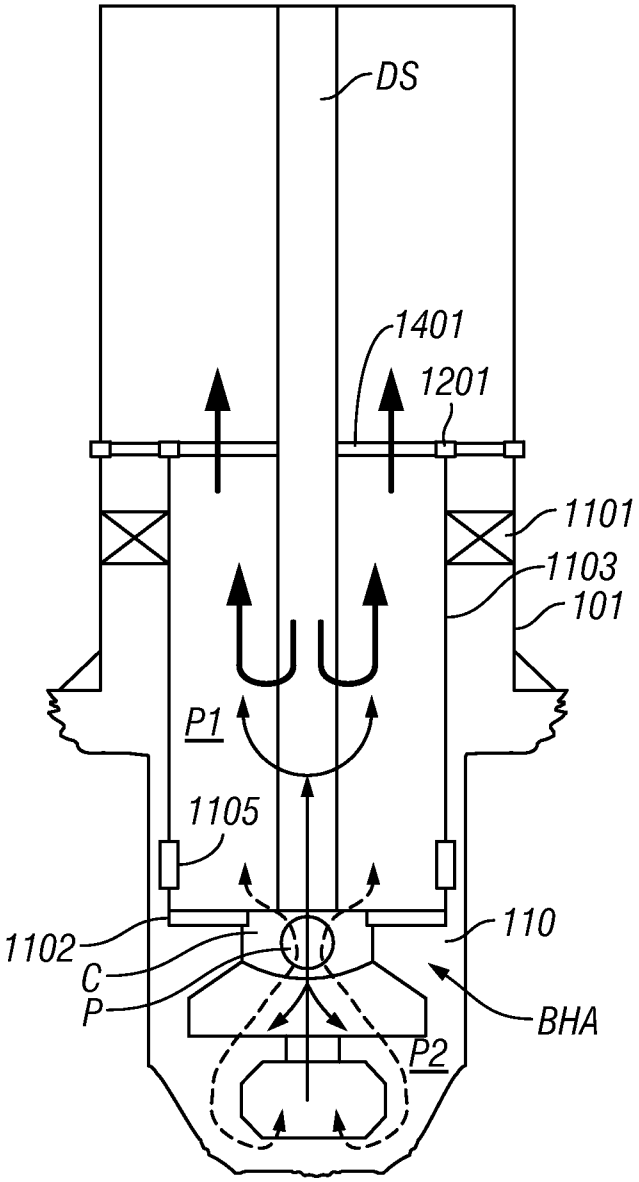


FIG. 11

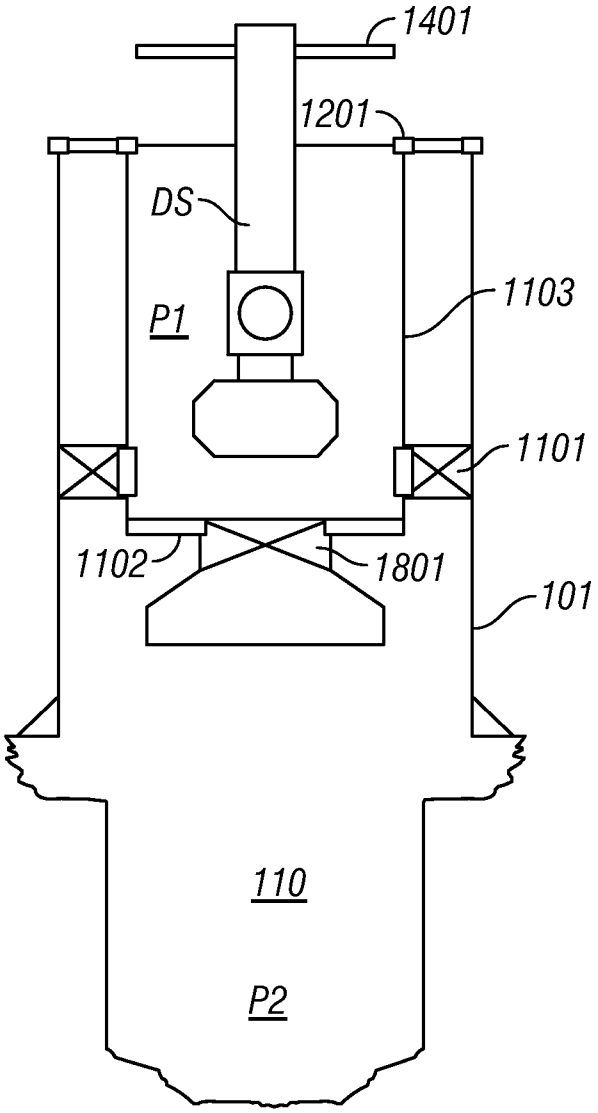


FIG. 12

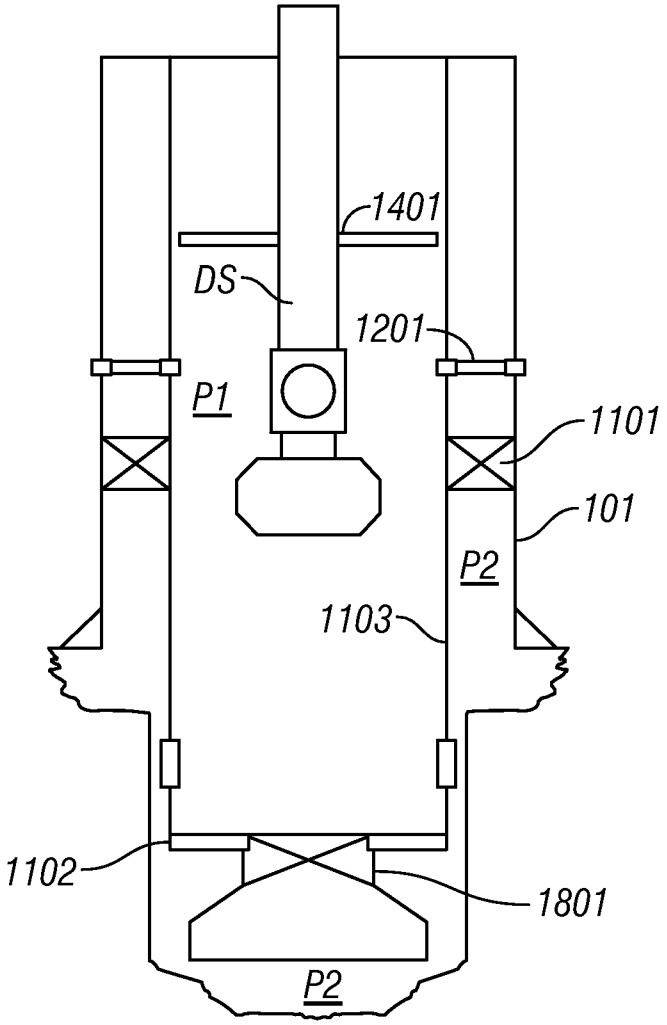


FIG. 13

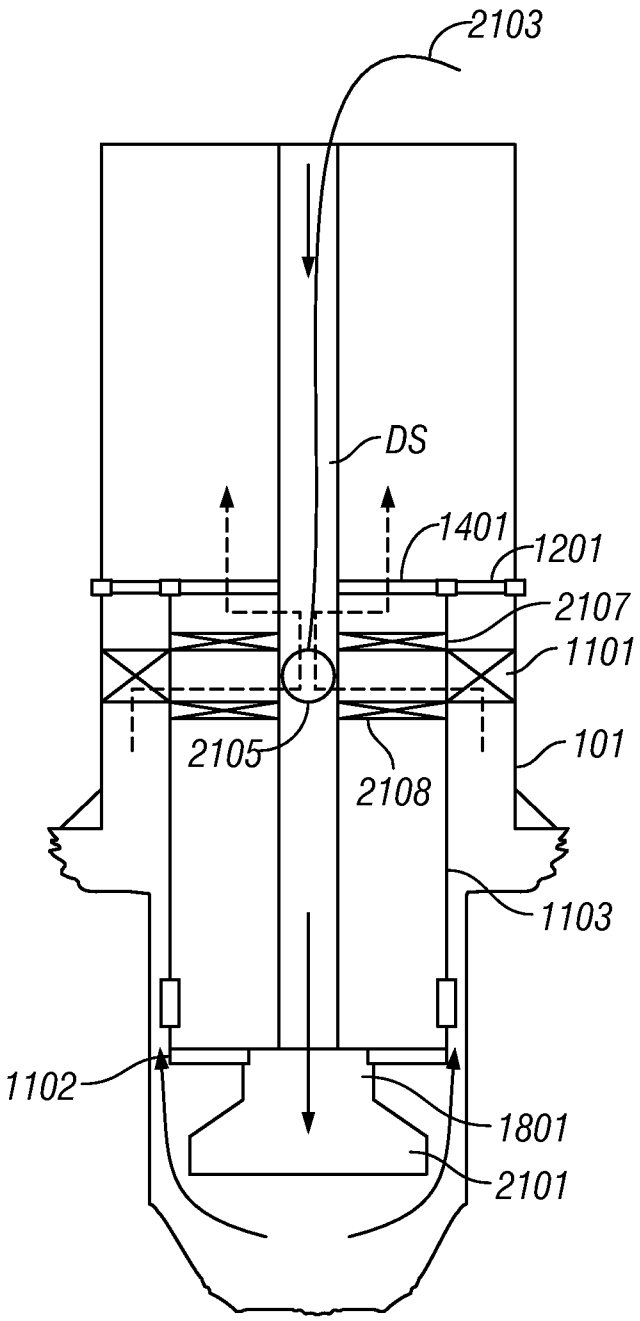


FIG. 14

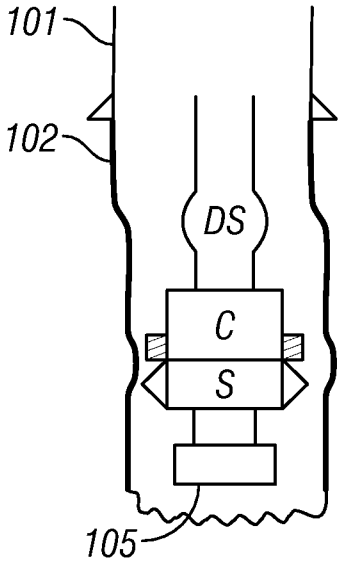


FIG. 15A

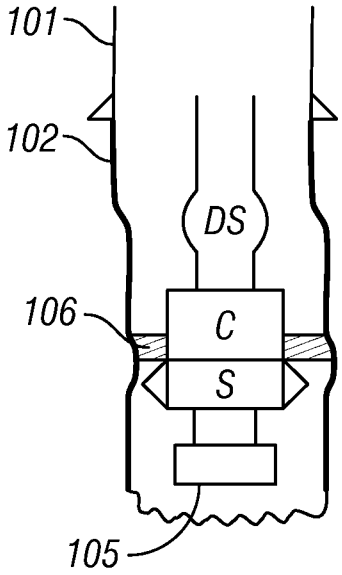


FIG. 15B

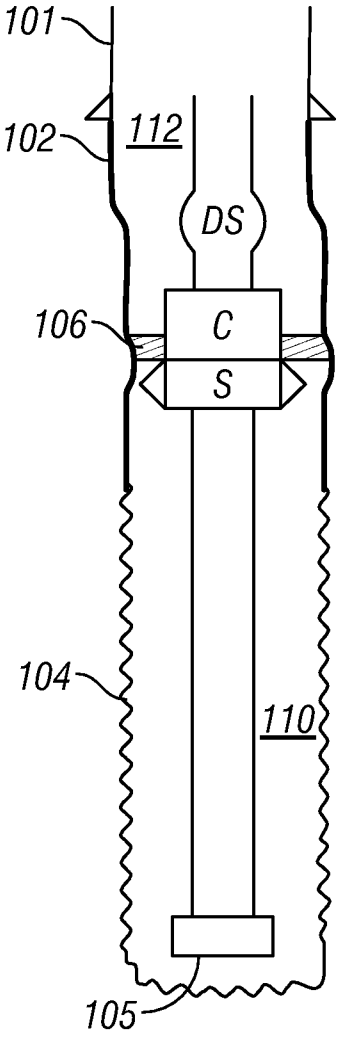


FIG. 15C

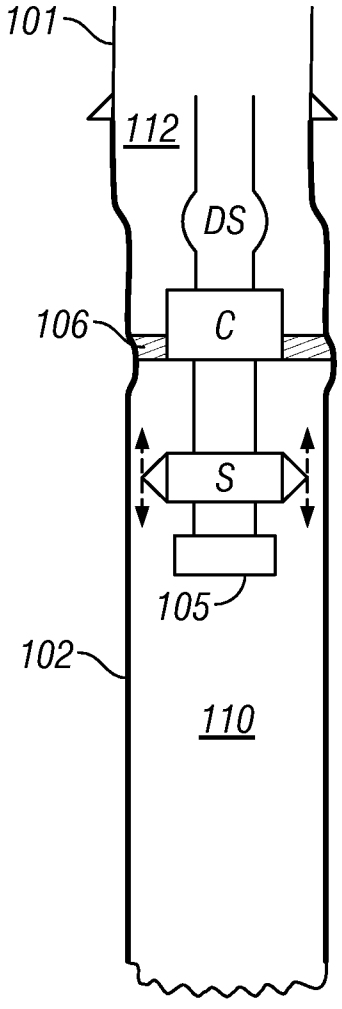


FIG. 15D

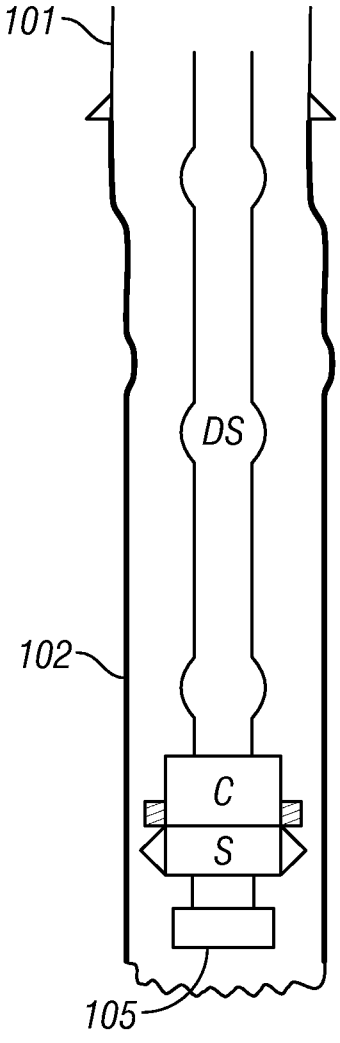


FIG. 15E

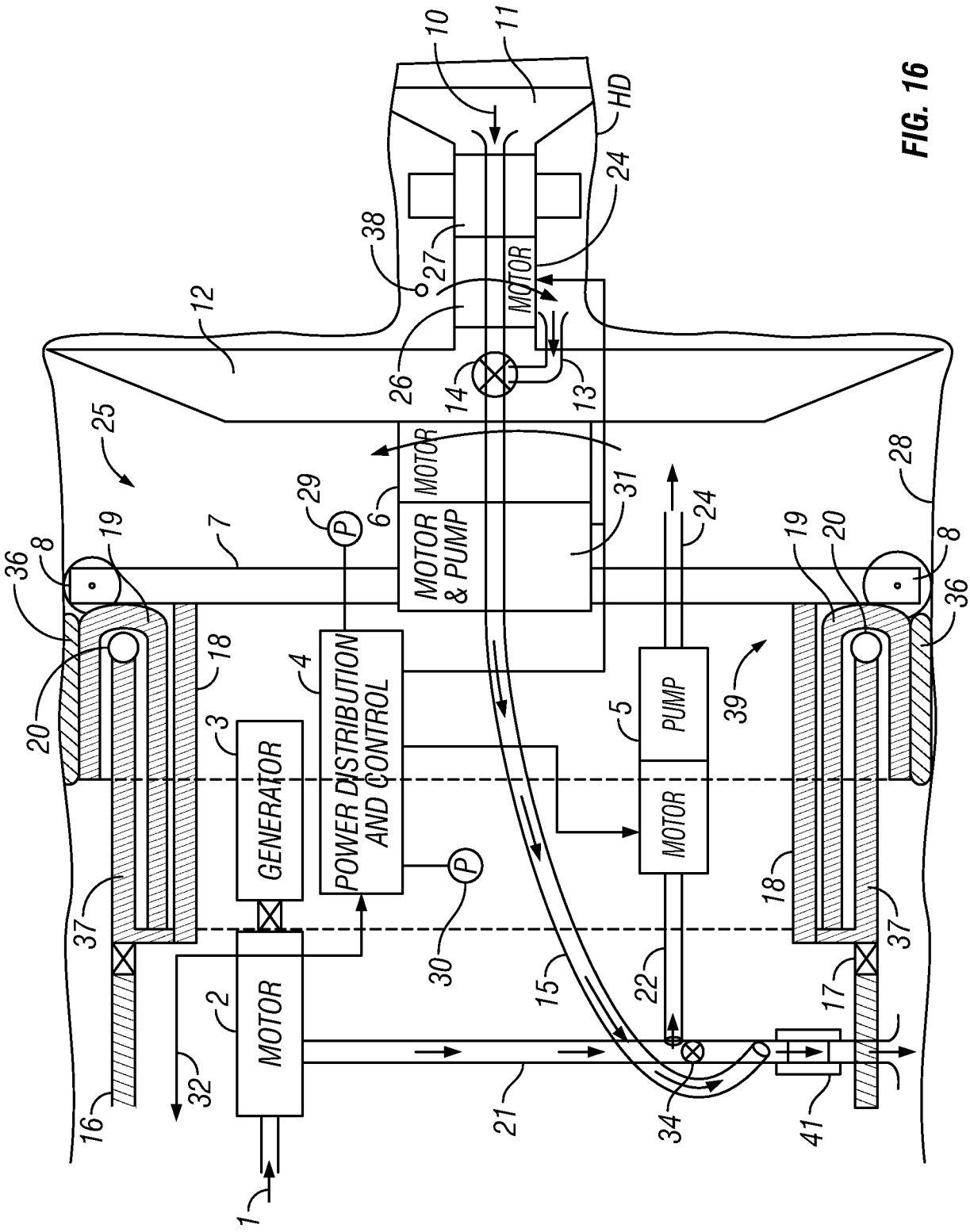

10
11
HD
24
38
27
MOTOR
12
26
14
13
25
MOTOR
MOTOR & PUMP
29
6
31
28
24
19
20
8
36
7
19
8
36
20
18
4
POWER DISTRIBUTION AND CONTROL
3
GENERATOR
5
PUMP
39
18
37
37
30
15
22
17
2
MOTOR
MOTOR
32
16
21
34
41
1

FIG. 16

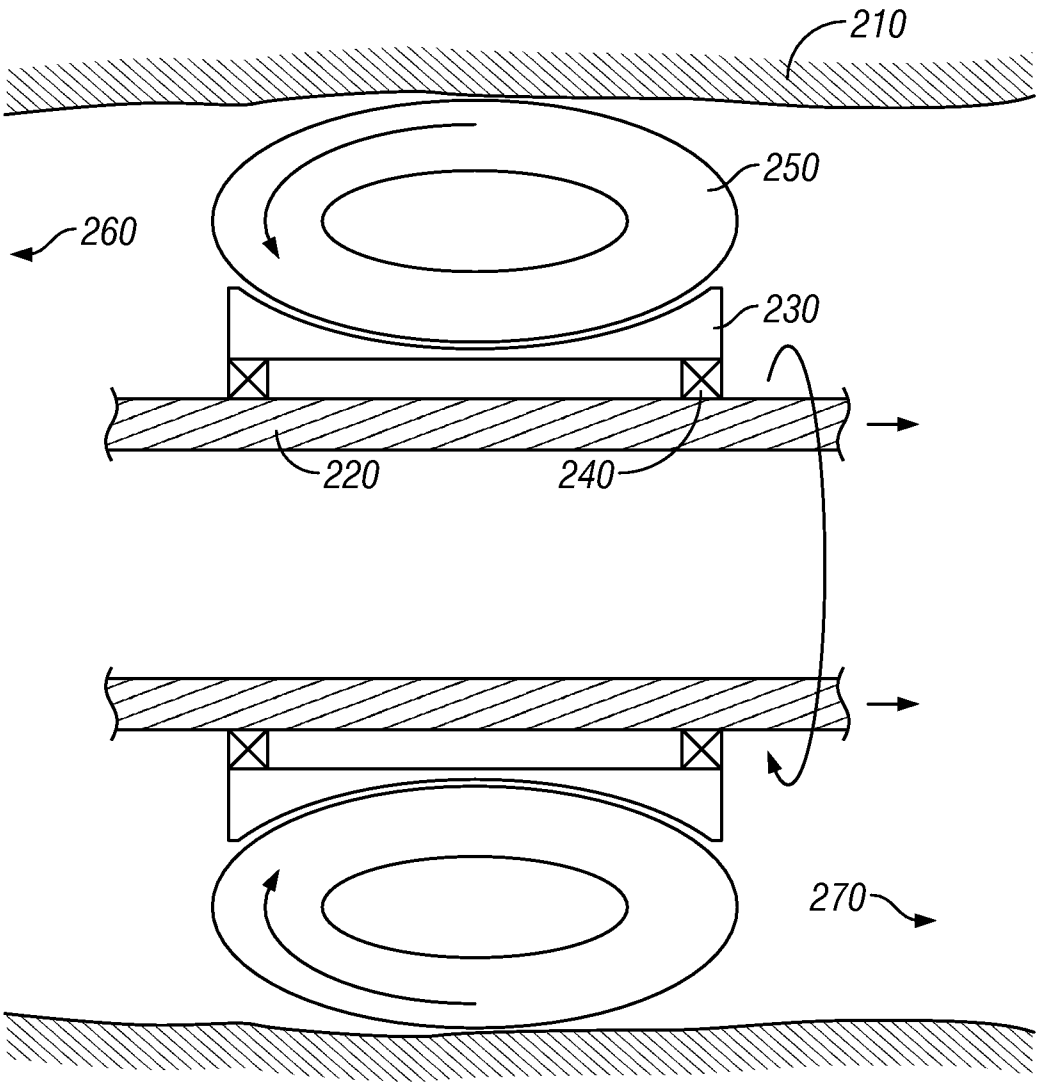


FIG. 17

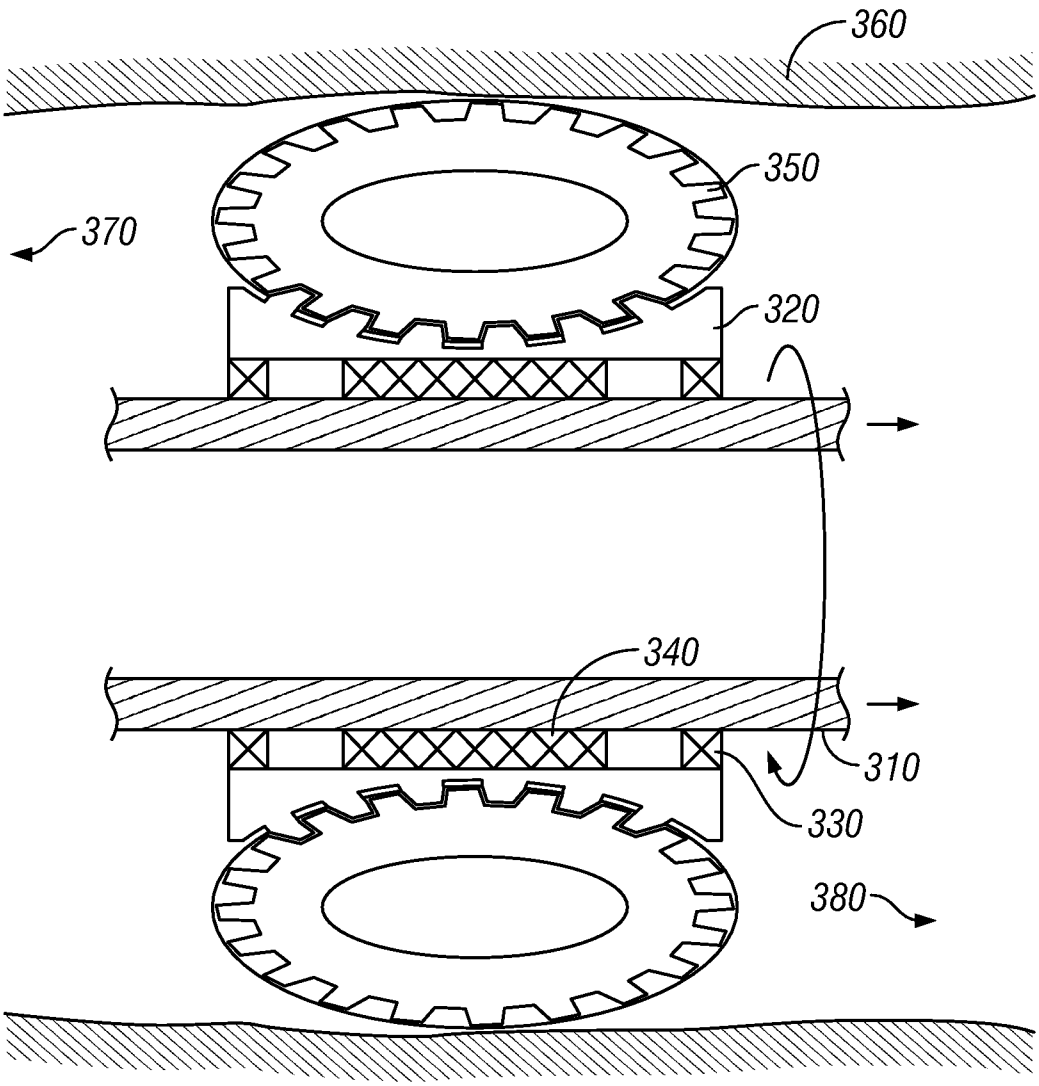


FIG. 18

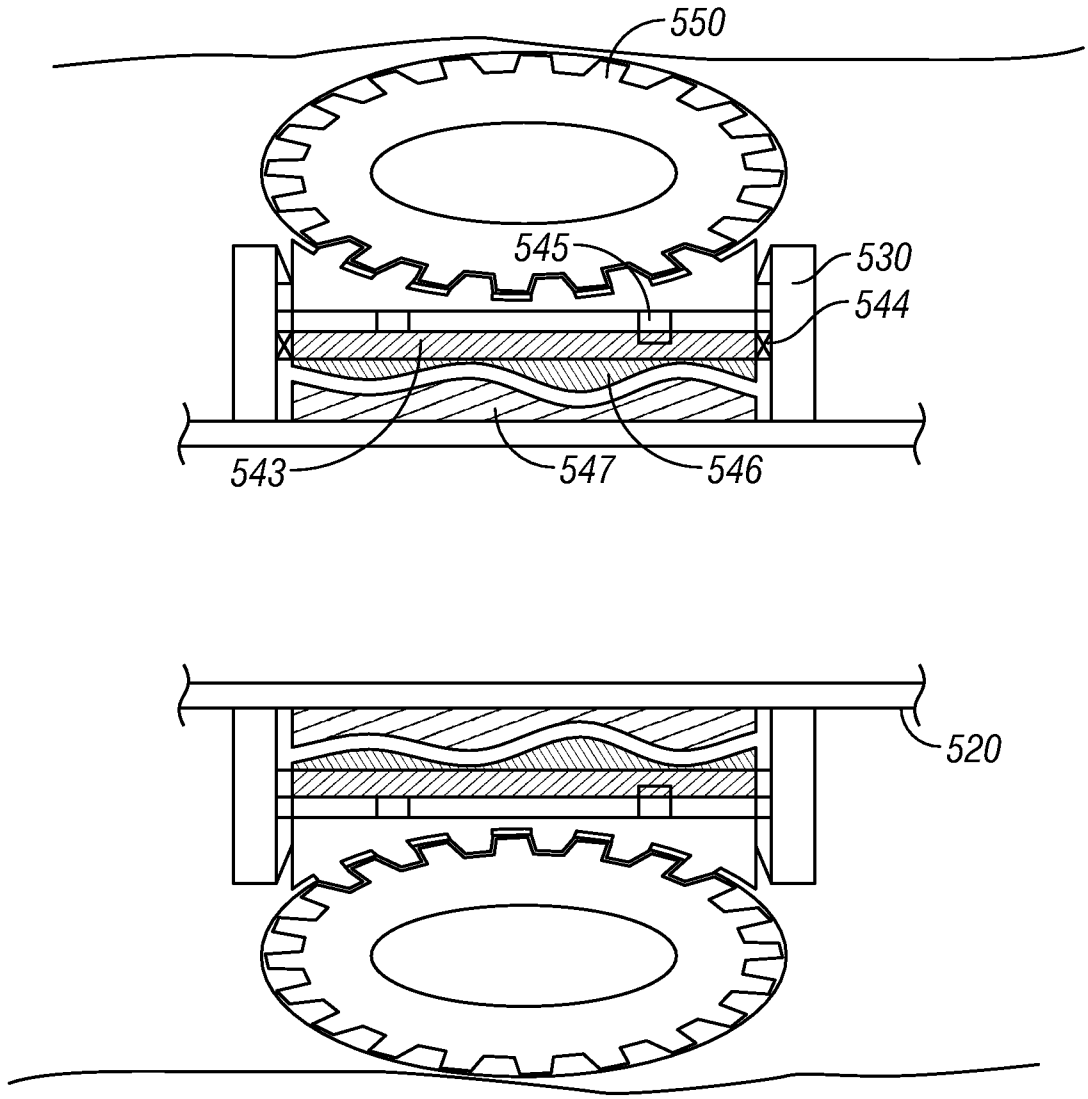
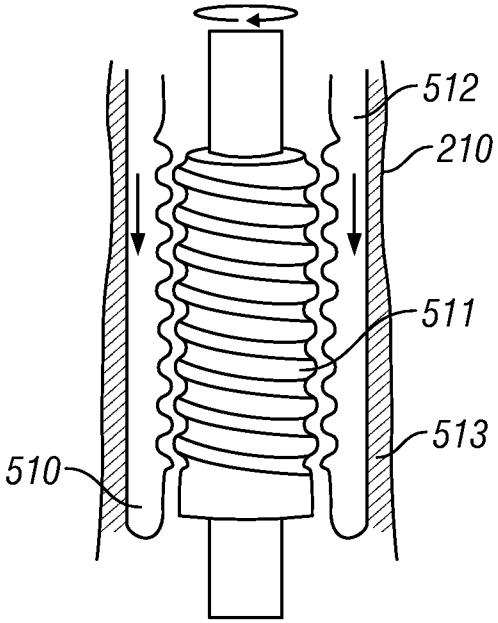


FIG. 19



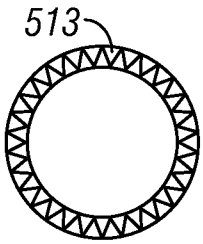


FIG. 21A

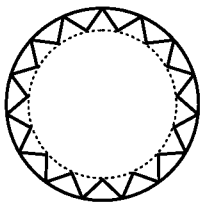


FIG. 21B

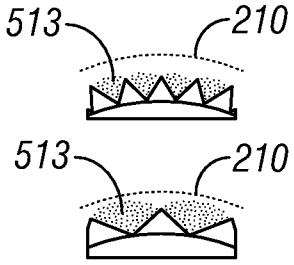


FIG. 21C

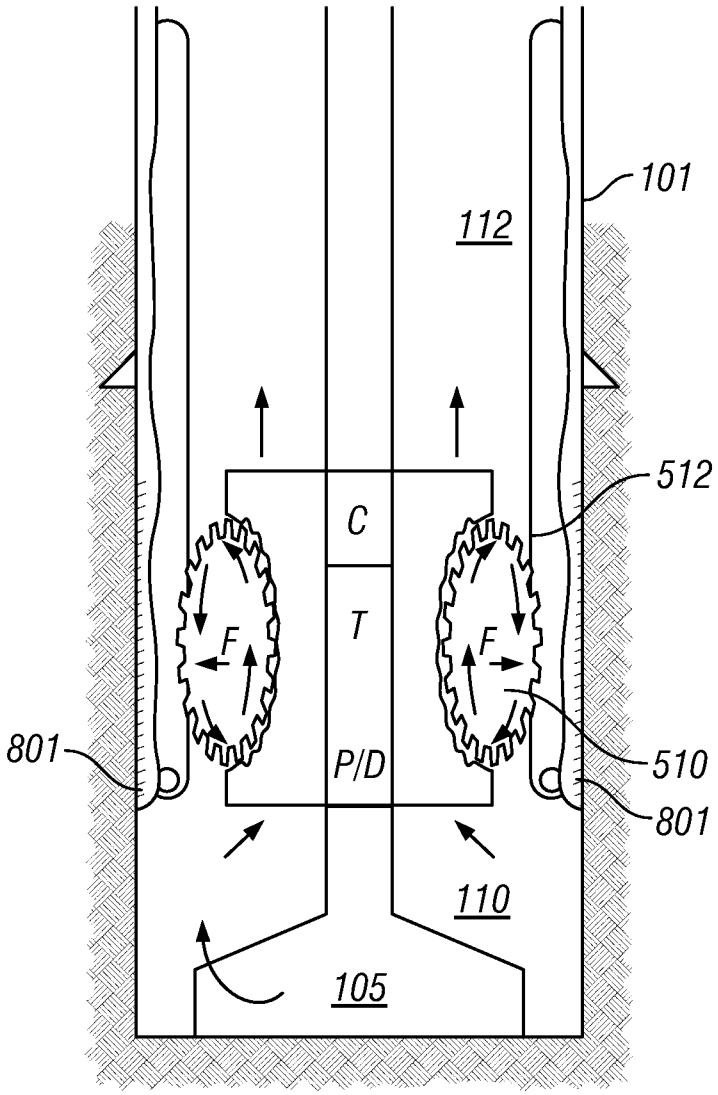


FIG. 22

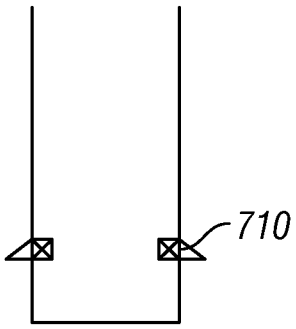


FIG. 23A

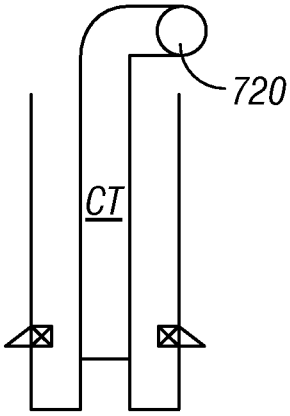


FIG. 23B

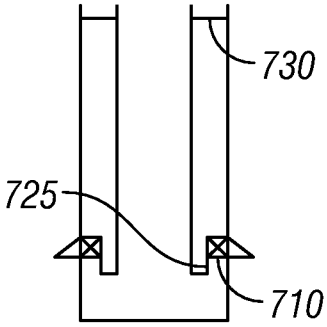


FIG. 23C

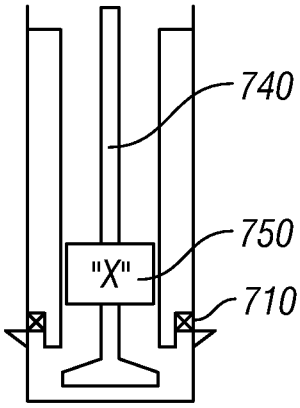


FIG. 23D

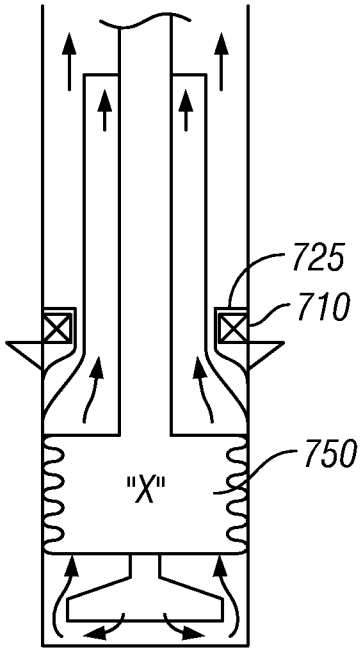


FIG. 23E

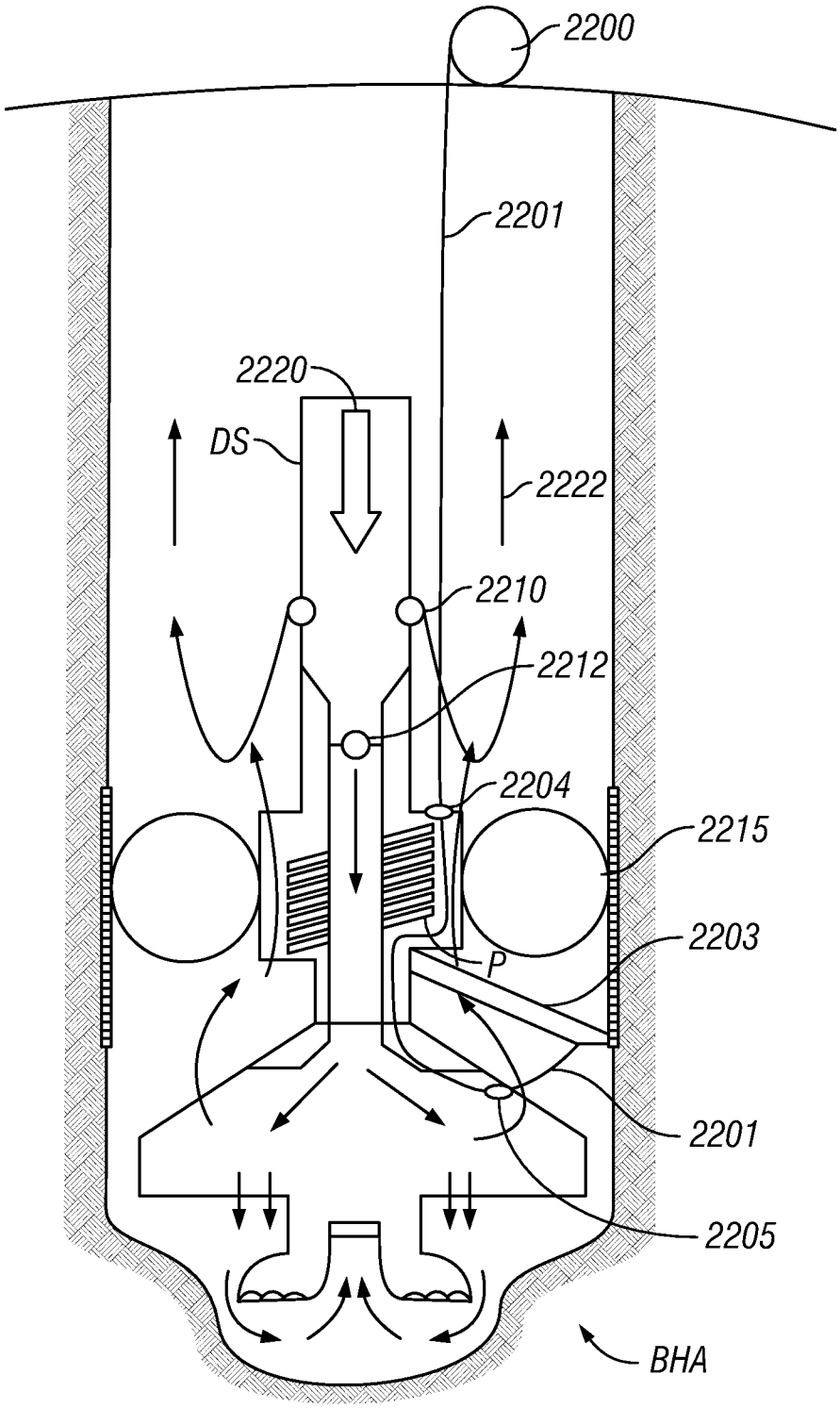

2200
2201
2220
DS
2222
2210
2212
2204
2215
2203
P
2201
2205
BHA

FIG. 24