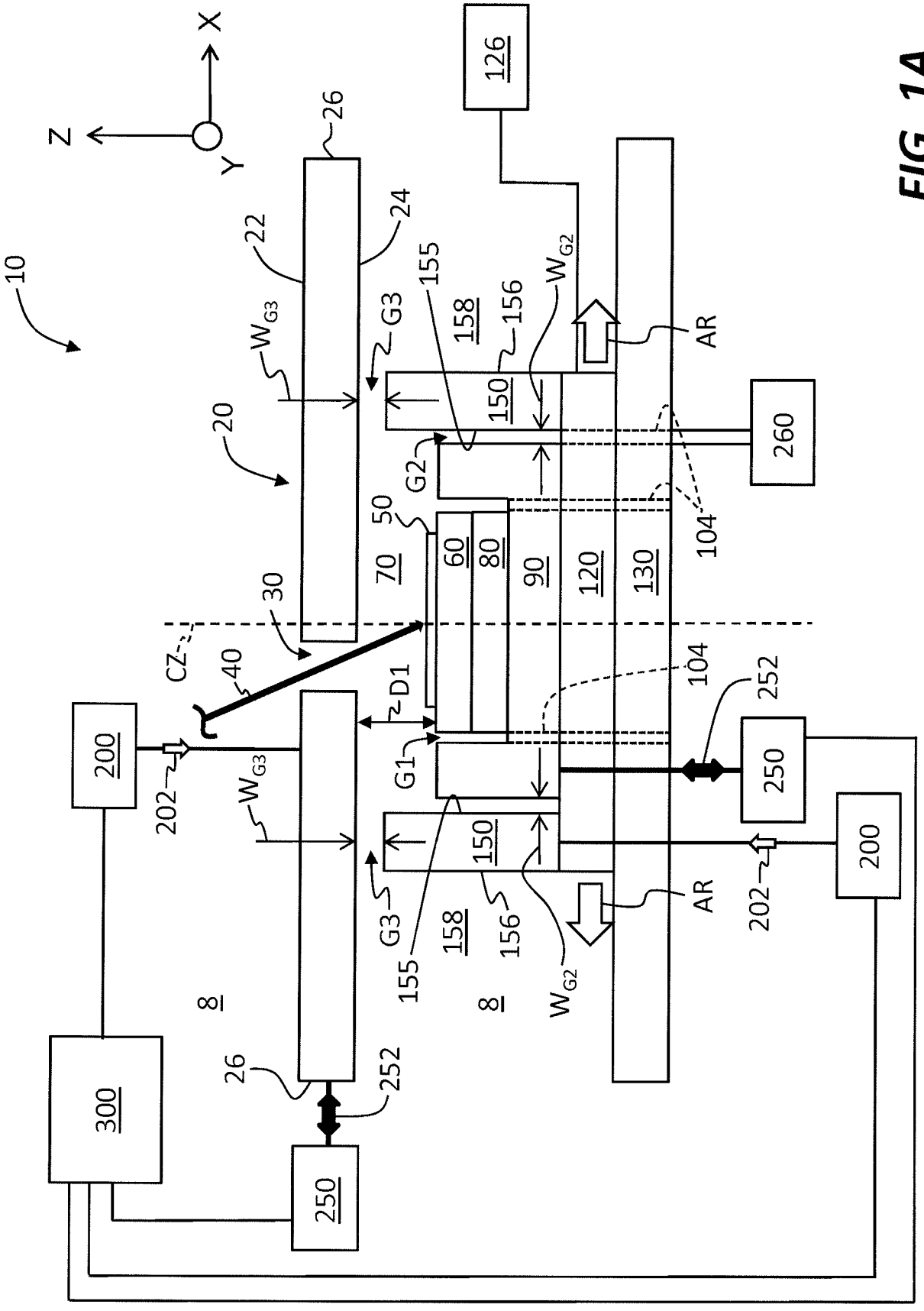
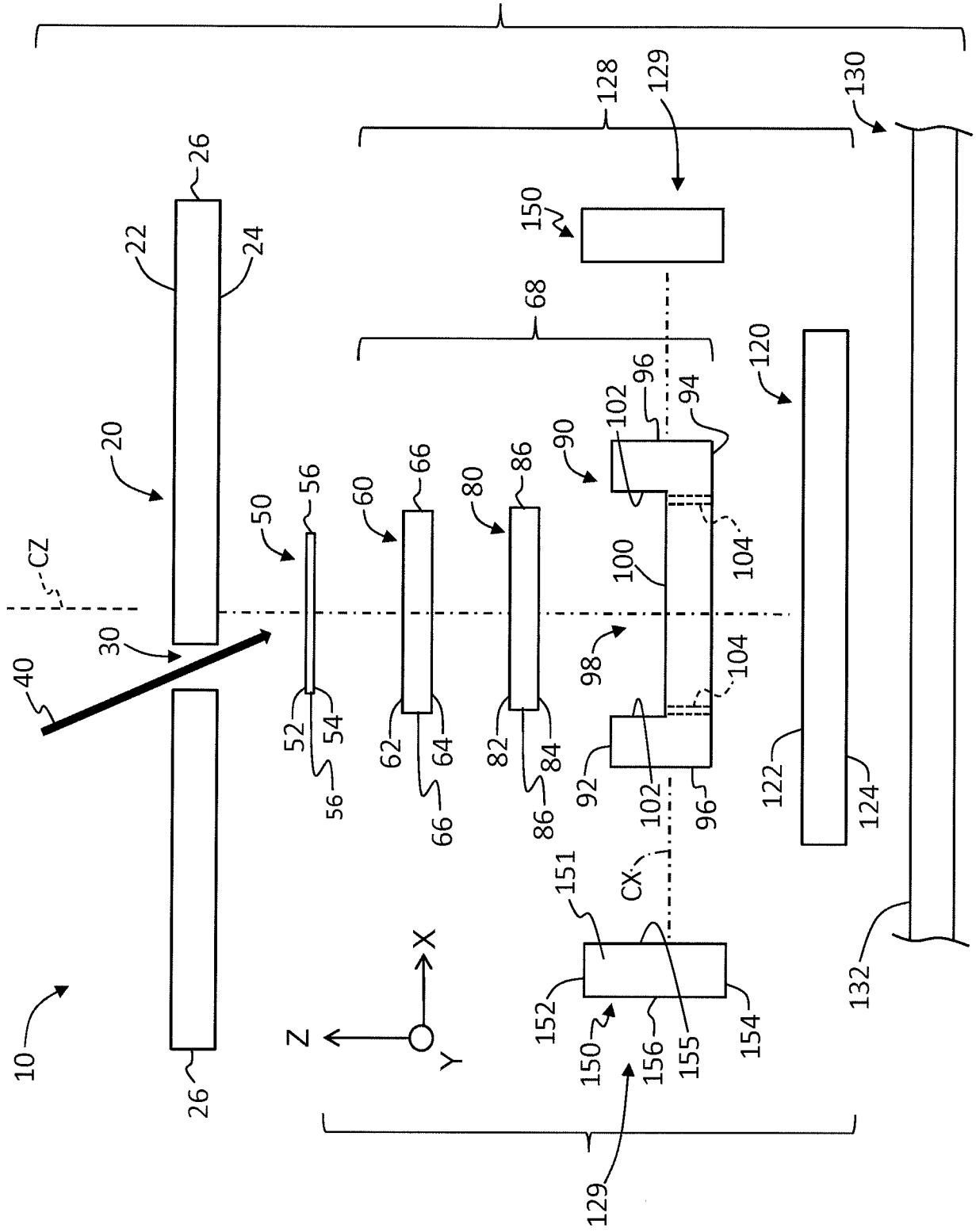

10
Z
X
Y
126
26
22
24
W_{G3}
G3
155
158
156
W_{G2}
AR
20
150
260
G2
50
104
70
60
80
90
120
130
30
CZ
40
D1
200
202
W_{G3}
G1
104
252
250
150
G3
158
155
156
W_{G2}
AR
202
200
8
8
26
252
300
250

FIG. 1A

FIG. 1B


10
20
22
24
26
30
40
50
52
54
56
60
62
64
66
68
80
82
84
86
90
92
94
96
98
100
102
104
120
122
124
126
128
129
130
132
150
151
152
154
155
156
CZ
CX
X
Y
Z

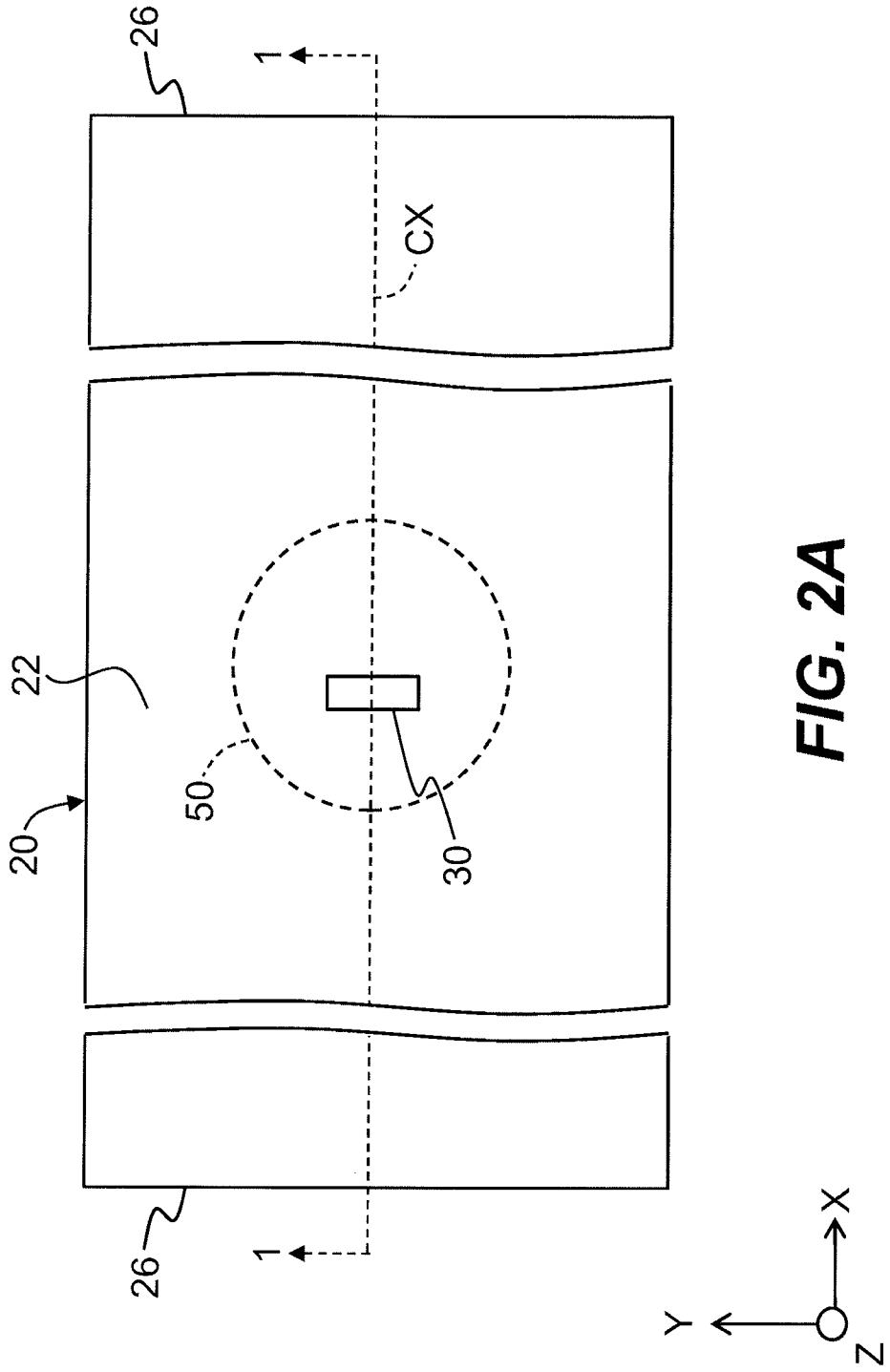


FIG. 2A

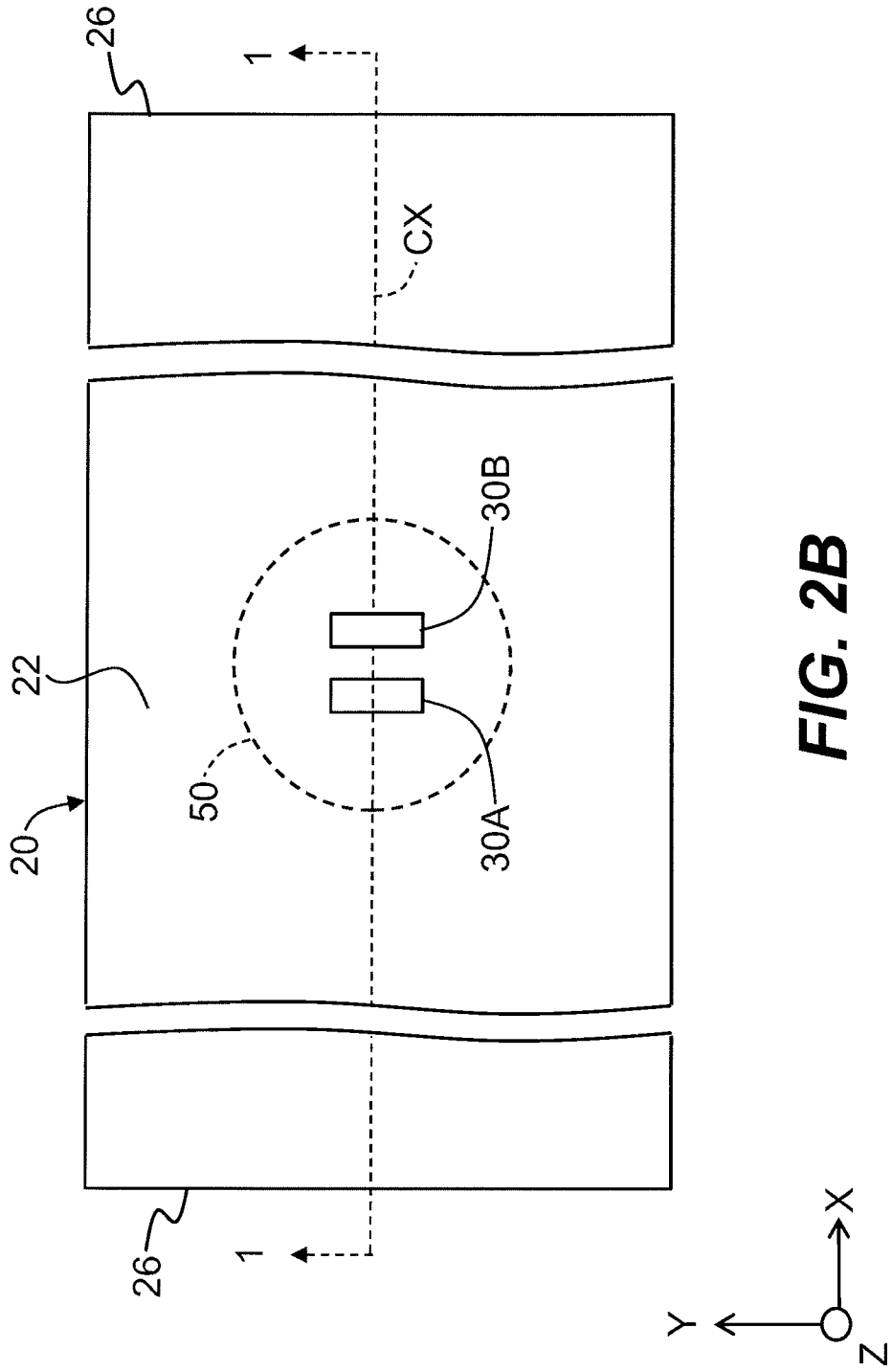


FIG. 2B

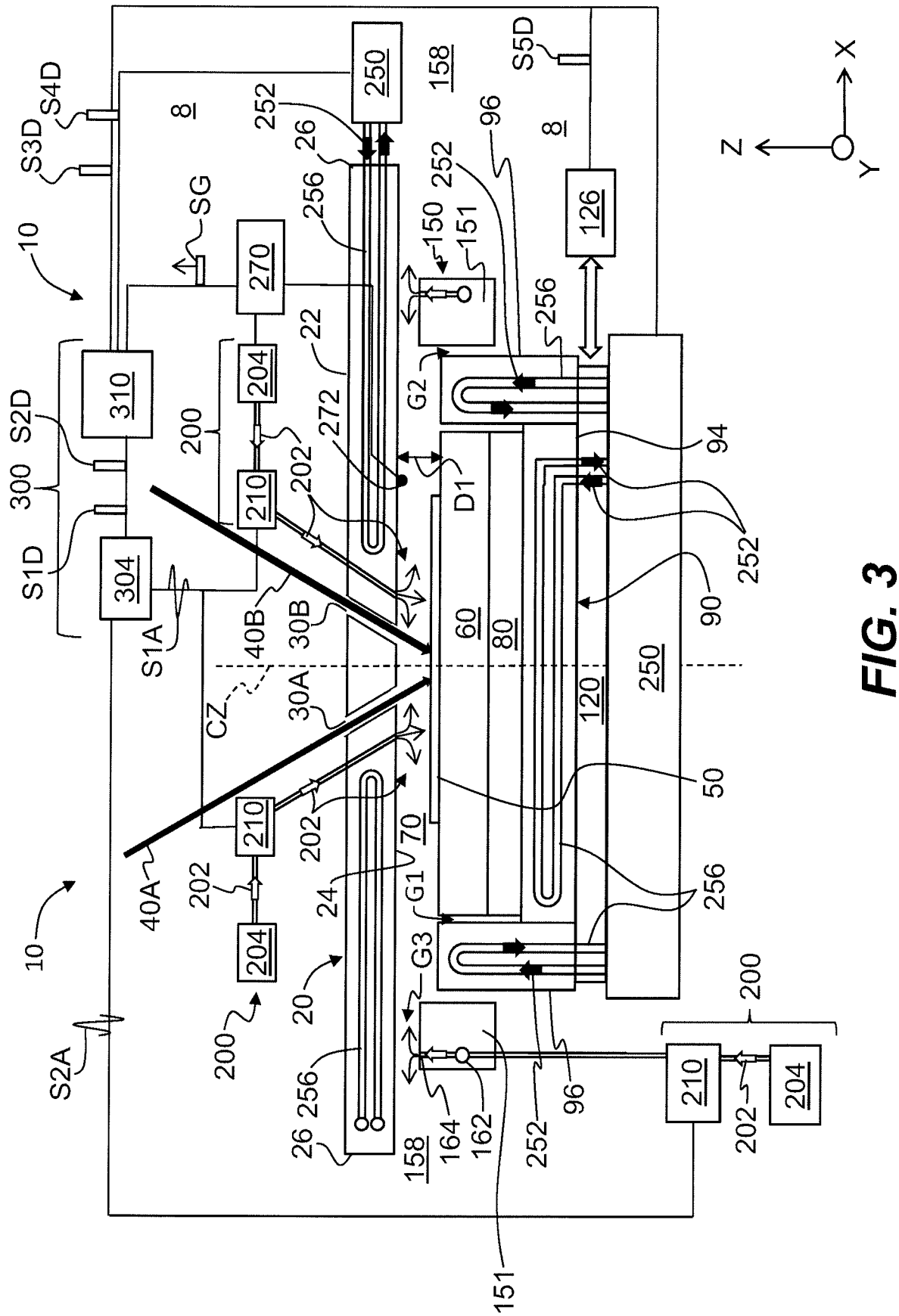

10
S1A
S1D
S2A
S2D
S3D
S4D
S5D
SG
300
304
310
200
204
210
270
202
272
22
26
252
256
250
158
8
96
126
150
151
D1
G1
G2
G3
70
60
80
120
90
94
50
24
20
30A
30B
40A
40B
CZ
162
164
Z
X
Y

FIG. 3

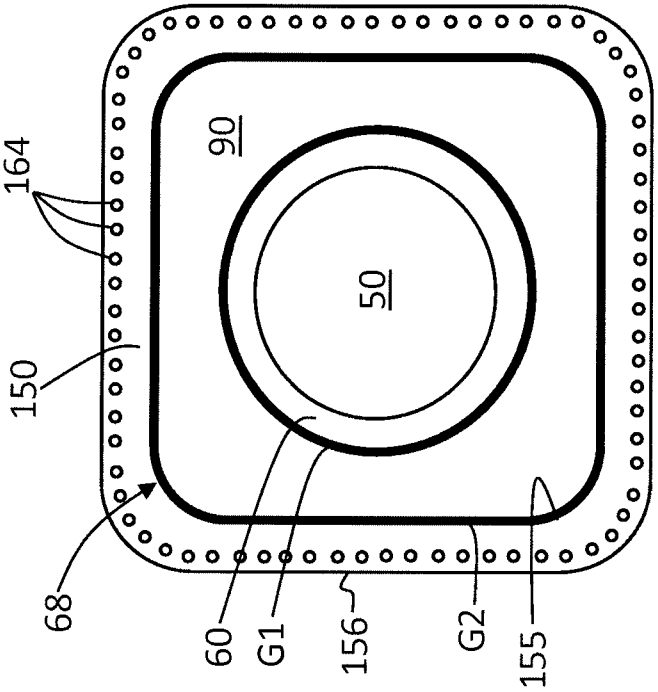


FIG. 4B

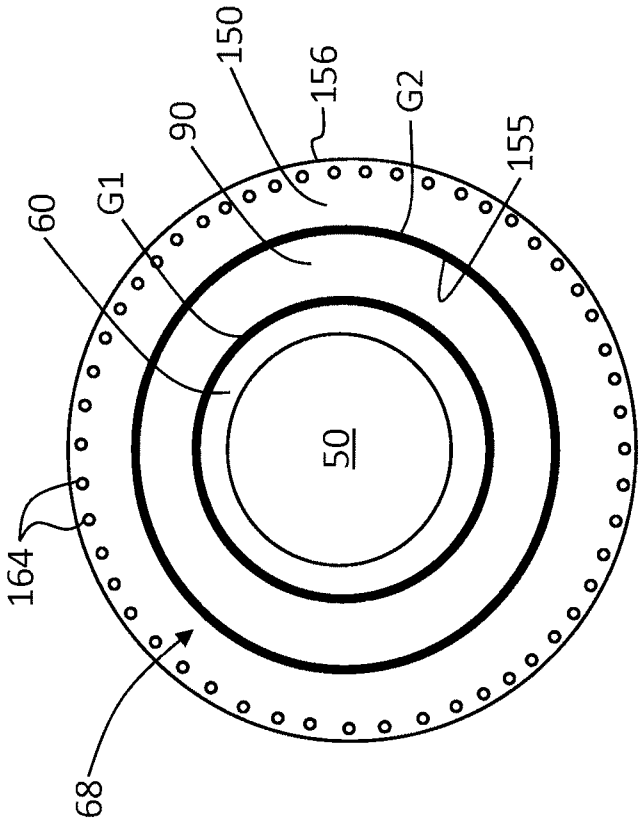


FIG. 4A

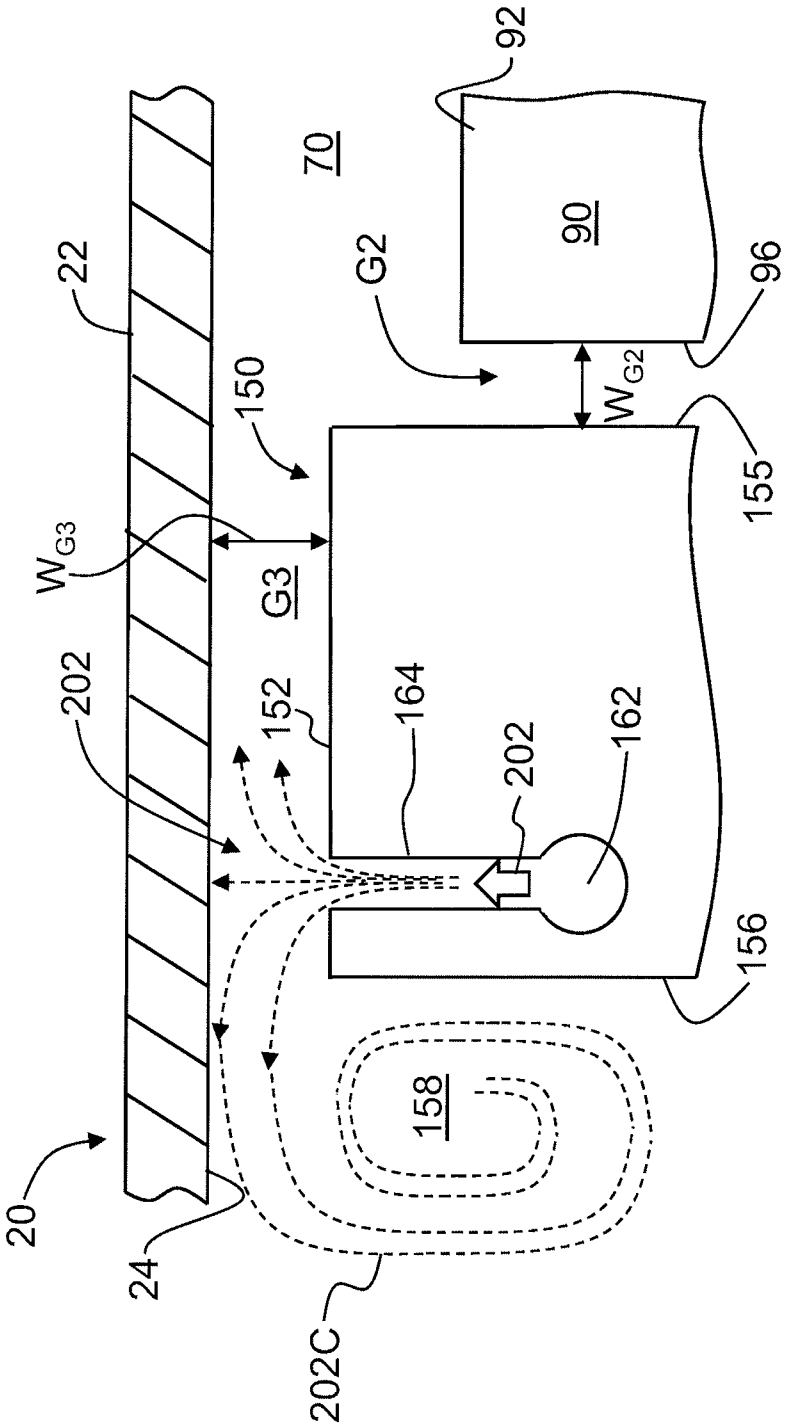

92
70
90
G2
96
22
150
W_{G2}
155
W_{G3}
G3
202
152
164
202
162
156
158
20
24
202C

FIG. 4C

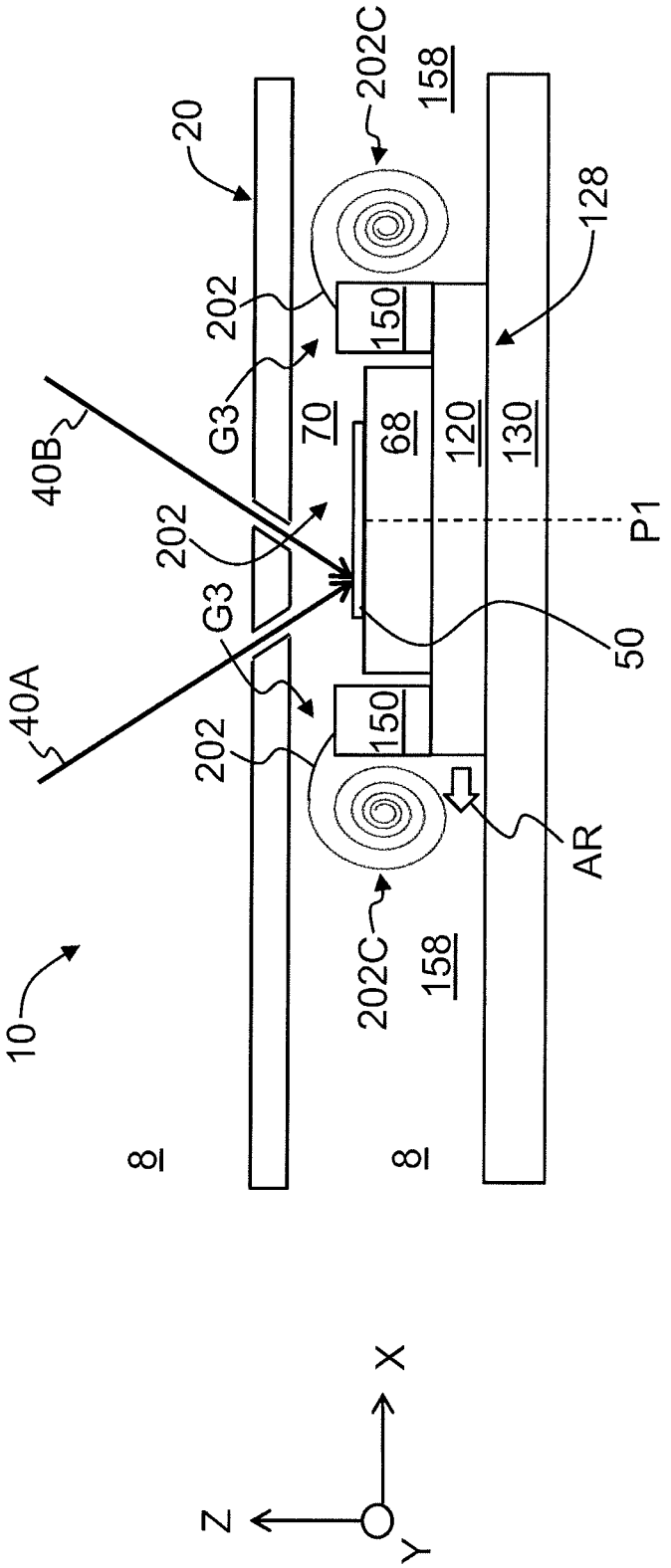

10
20
202C
158
128
202
150
G3
70
68
120
130
40B
202
P1
G3
50
40A
202
150
AR
202C
158
8
8
Z
X
Y

FIG. 5A

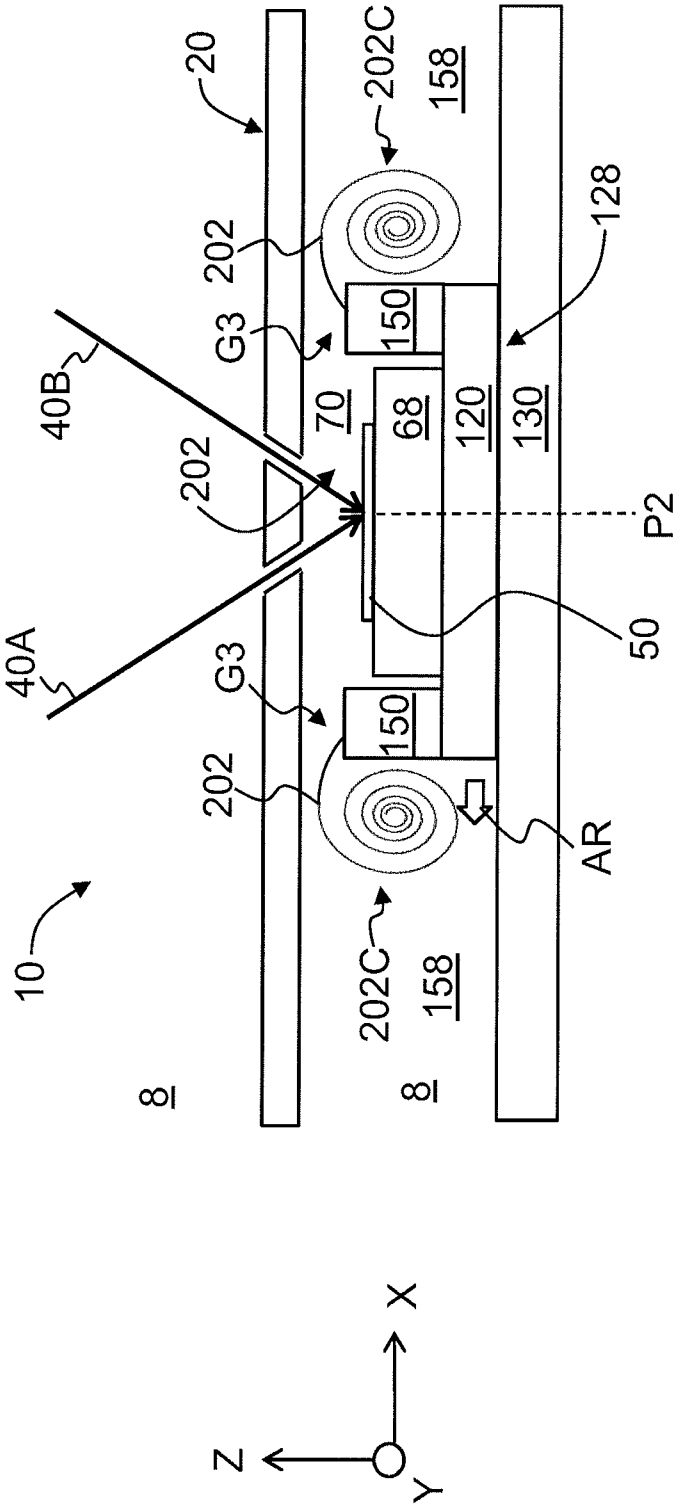

10
20
202C
158
202
128
G3
150
40B
70
68
120
130
202
P2
40A
50
G3
150
202
AR
202C
158
8
8
Z
X
Y

FIG. 5B

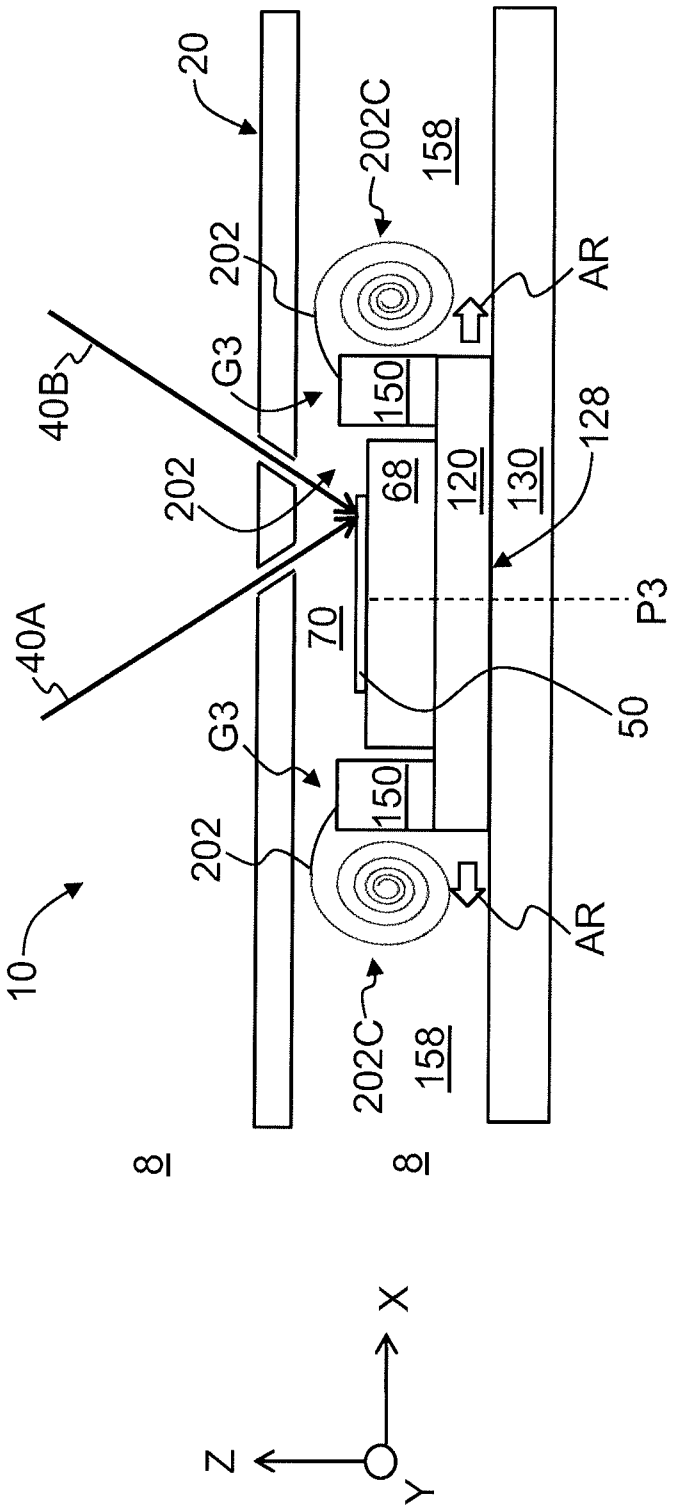

10
20
202C
158
202
AR
G3
150
40B
202
68
120
130
128
P3
70
40A
50
G3
150
202
AR
202C
158
8
8
X
Z
Y

FIG. 5C

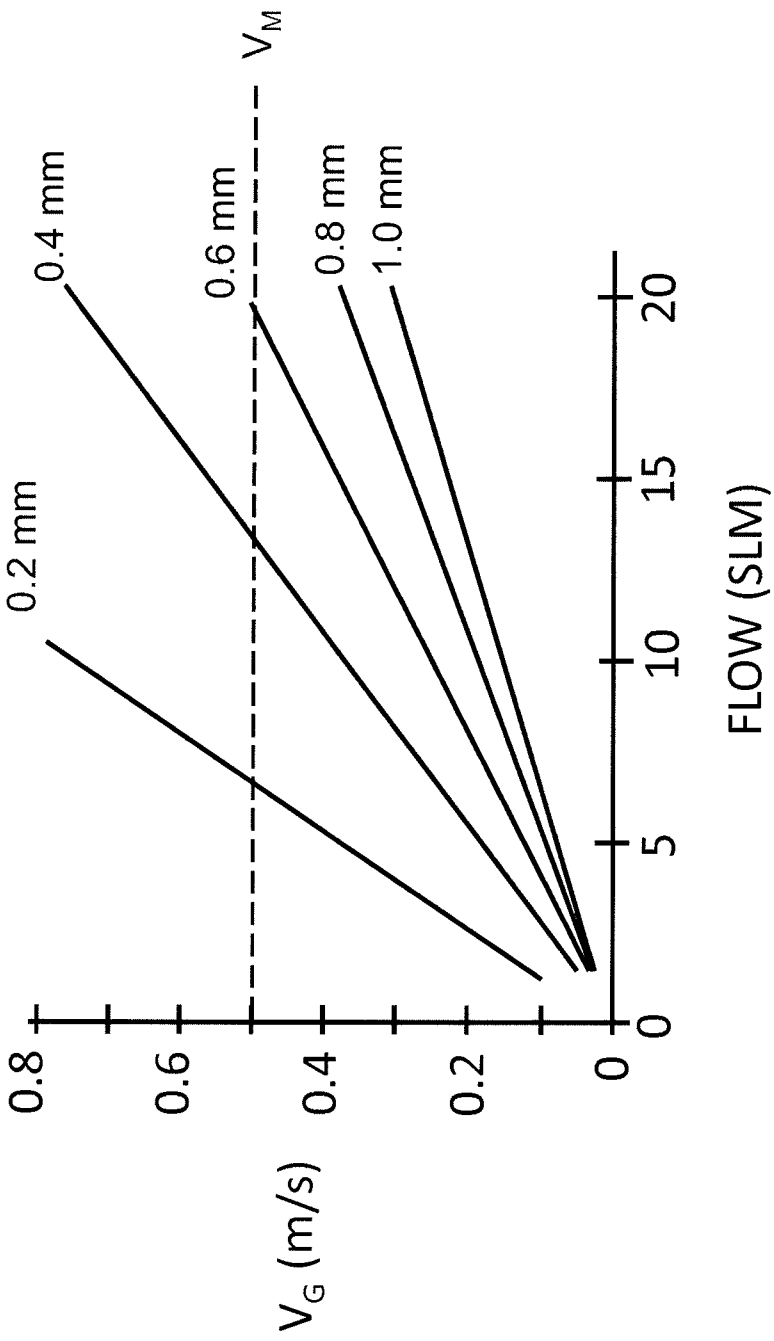

0.2 mm
0.4 mm
0.6 mm
0.8 mm
1.0 mm
V_M
0.8
0.6
0.4
0.2
0
V_G (m/s)
0
5
10
15
20
FLOW (SLM)

FIG. 6

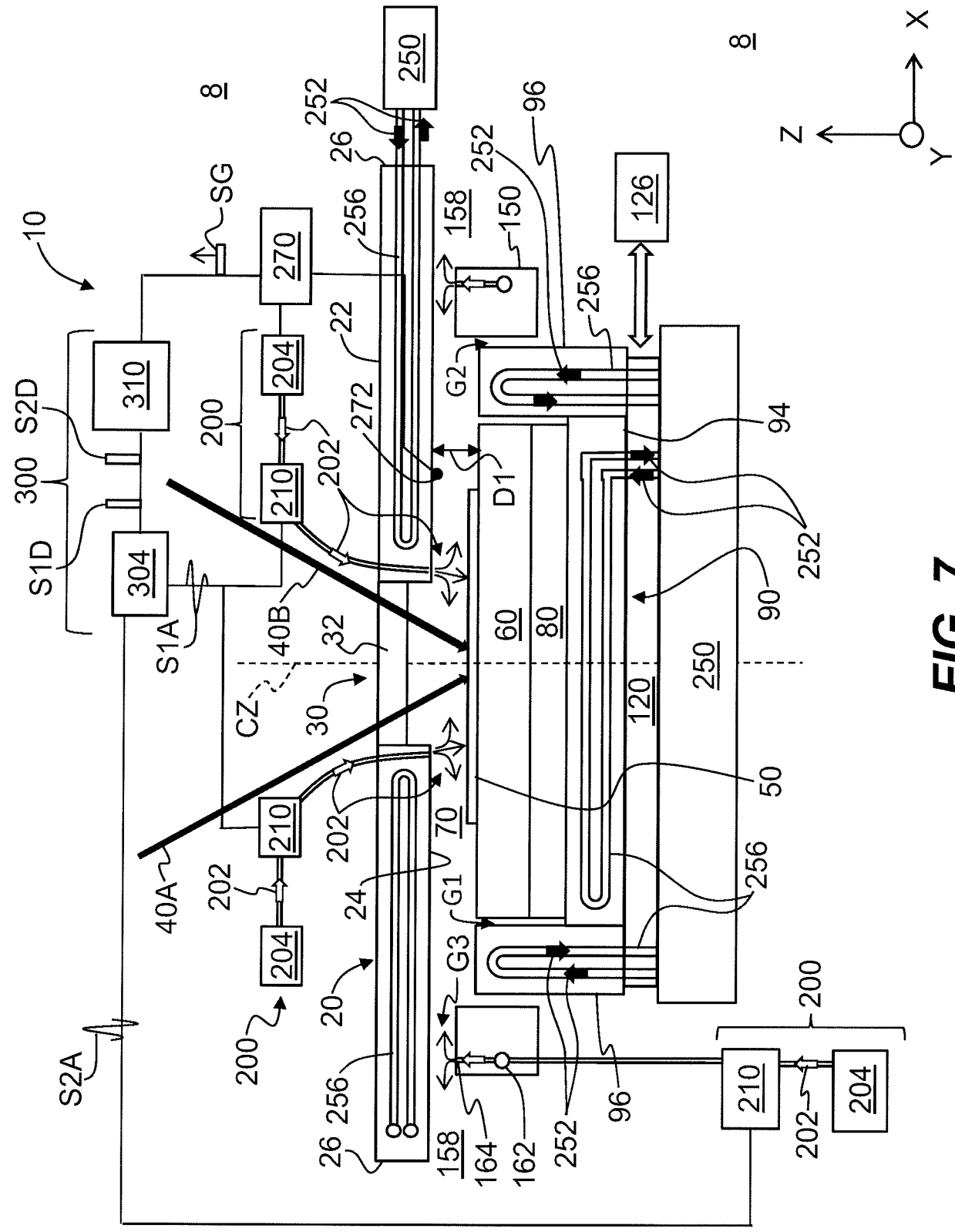

10
8
8
SG
270
250
252
26
256
158
150
126
96
252
310
S2D
300
S1D
304
S1A
200
204
210
202
272
22
G2
D1
94
252
90
60
80
250
120
32
40B
CZ
30
40A
50
70
G1
G3
24
20
200
S2A
256
26
158
164
162
252
96
210
204
202
200
X
Z
Y

FIG. 7