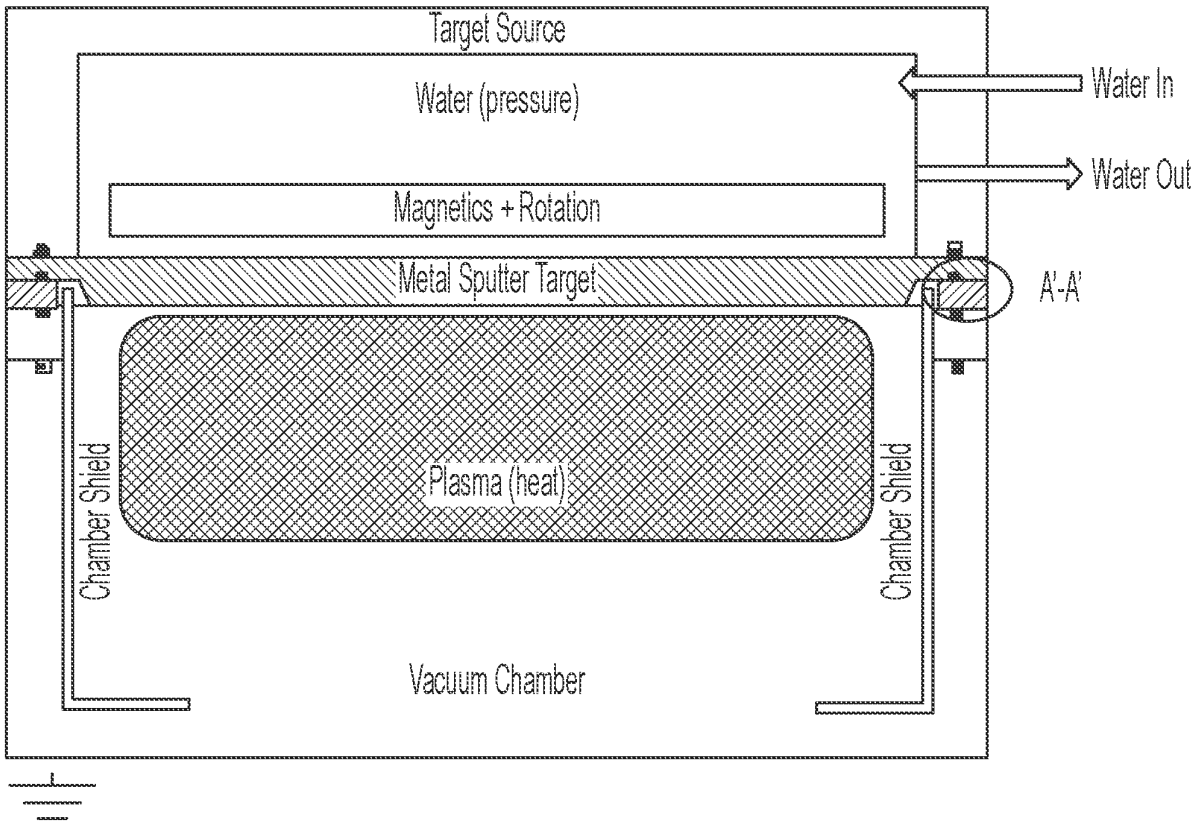

Target Source
Water (pressure)
Water In
Water Out
Magnetics + Rotation
Metal Sputter Target
A'-A'
Plasma (heat)
Chamber Shield
Chamber Shield
Vacuum Chamber

FIG. 1A

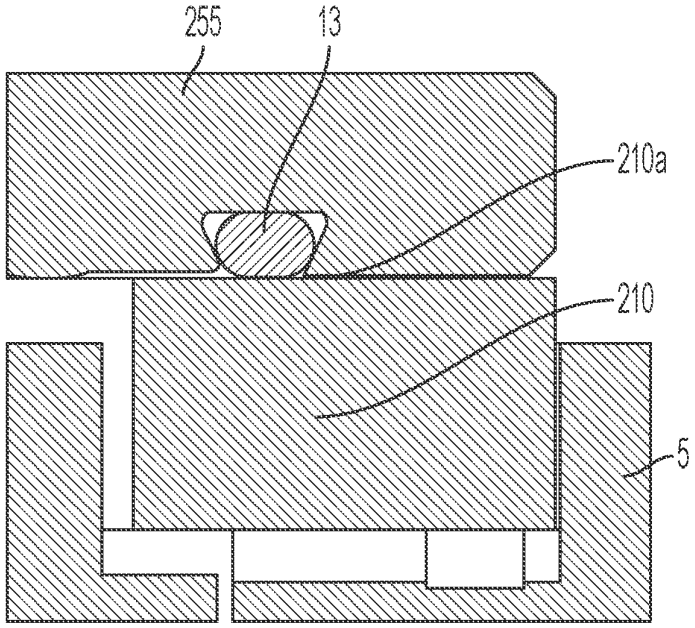

255
13
210a
210
5

FIG. 1B

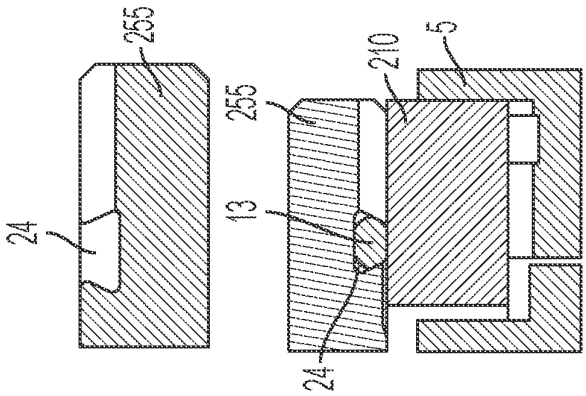


FIG. 1C

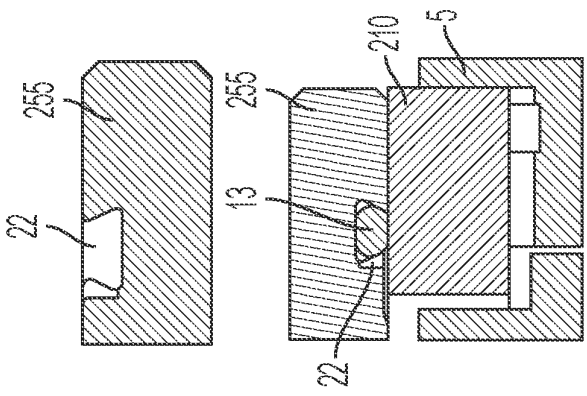


FIG. 1D

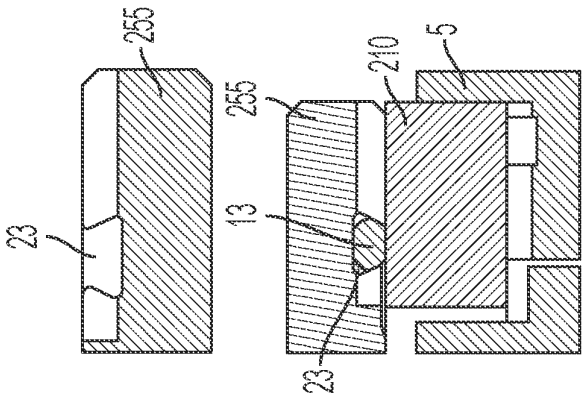


FIG. 1E

FIG. 1F

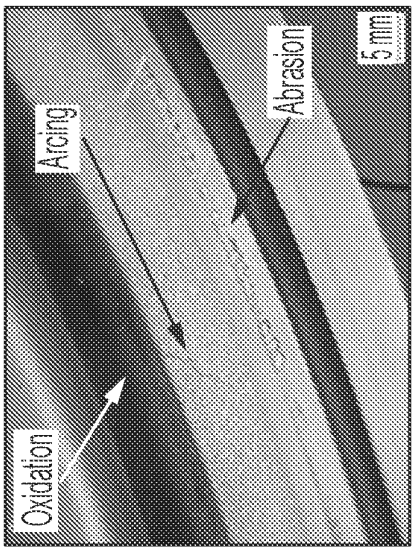


FIG. 2A

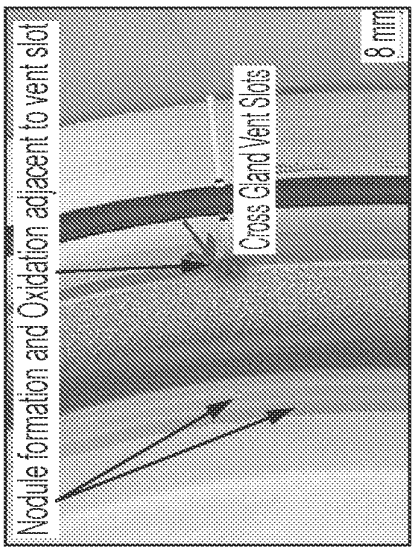


FIG. 2B

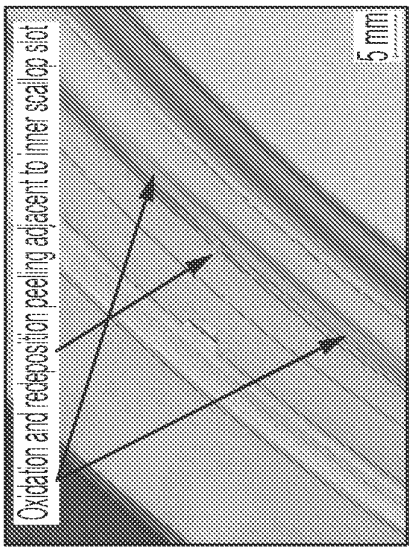


FIG. 2C

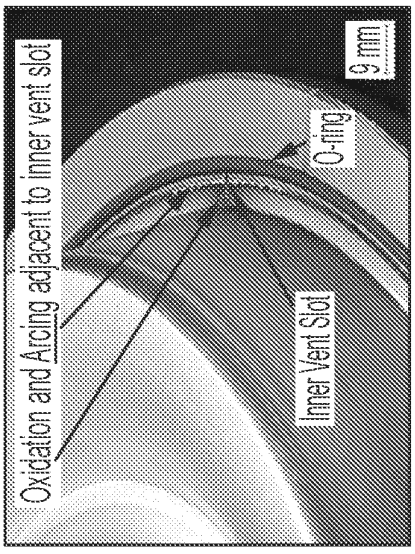


FIG. 2D

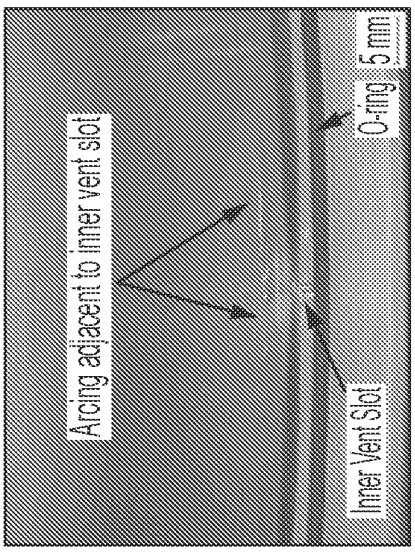


FIG. 2E

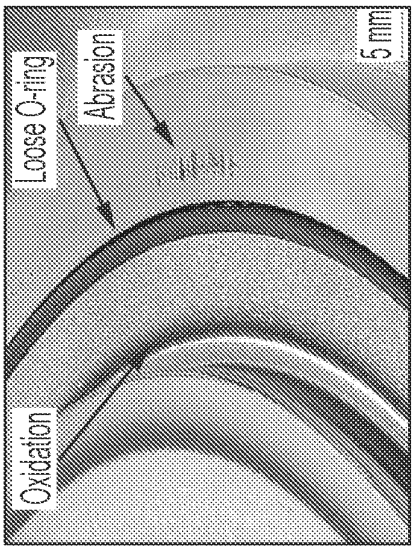


FIG. 2F

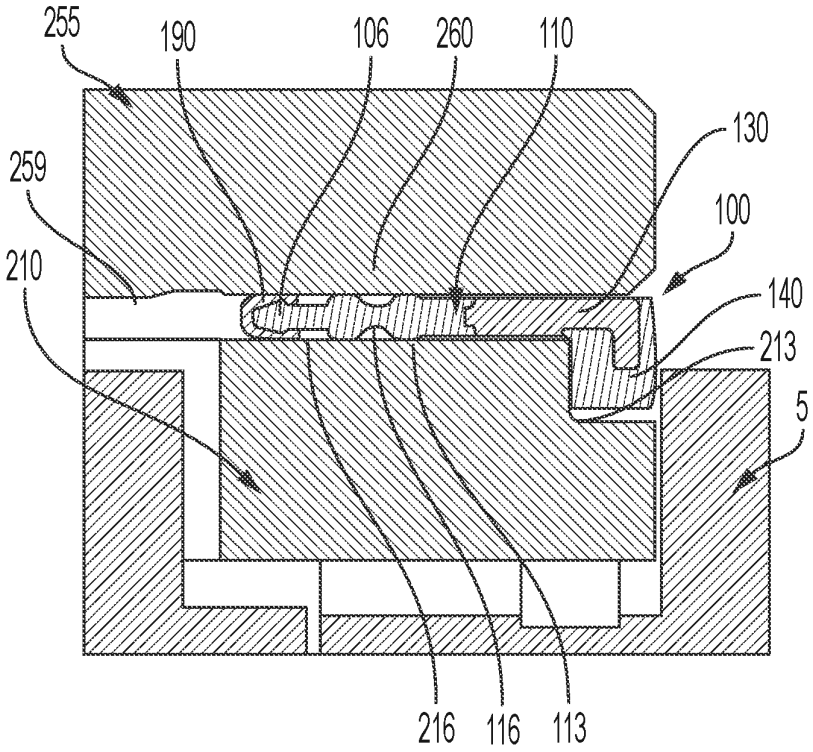


FIG. 3A

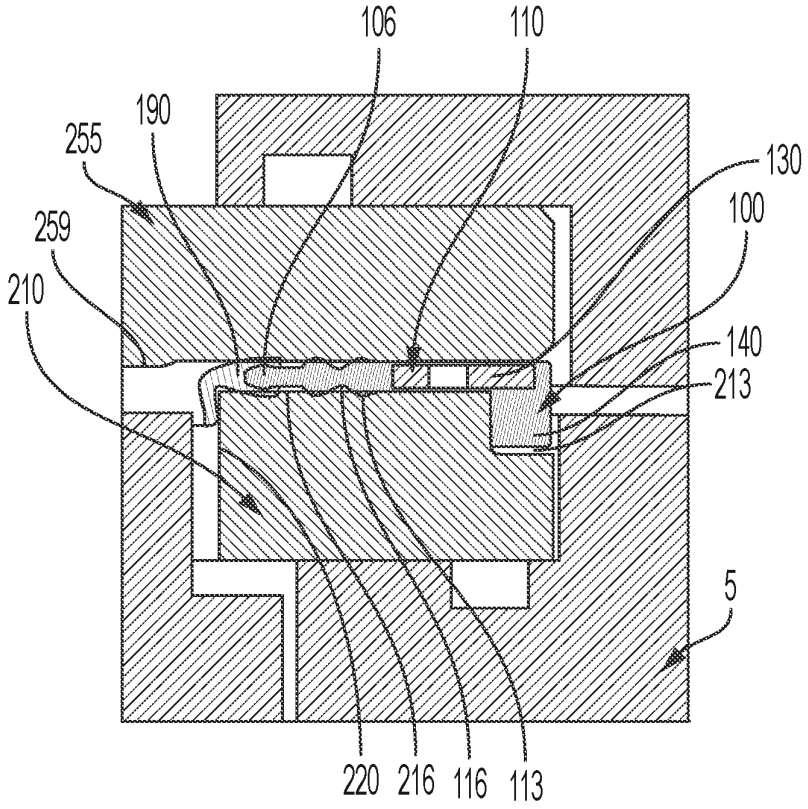


FIG. 3B

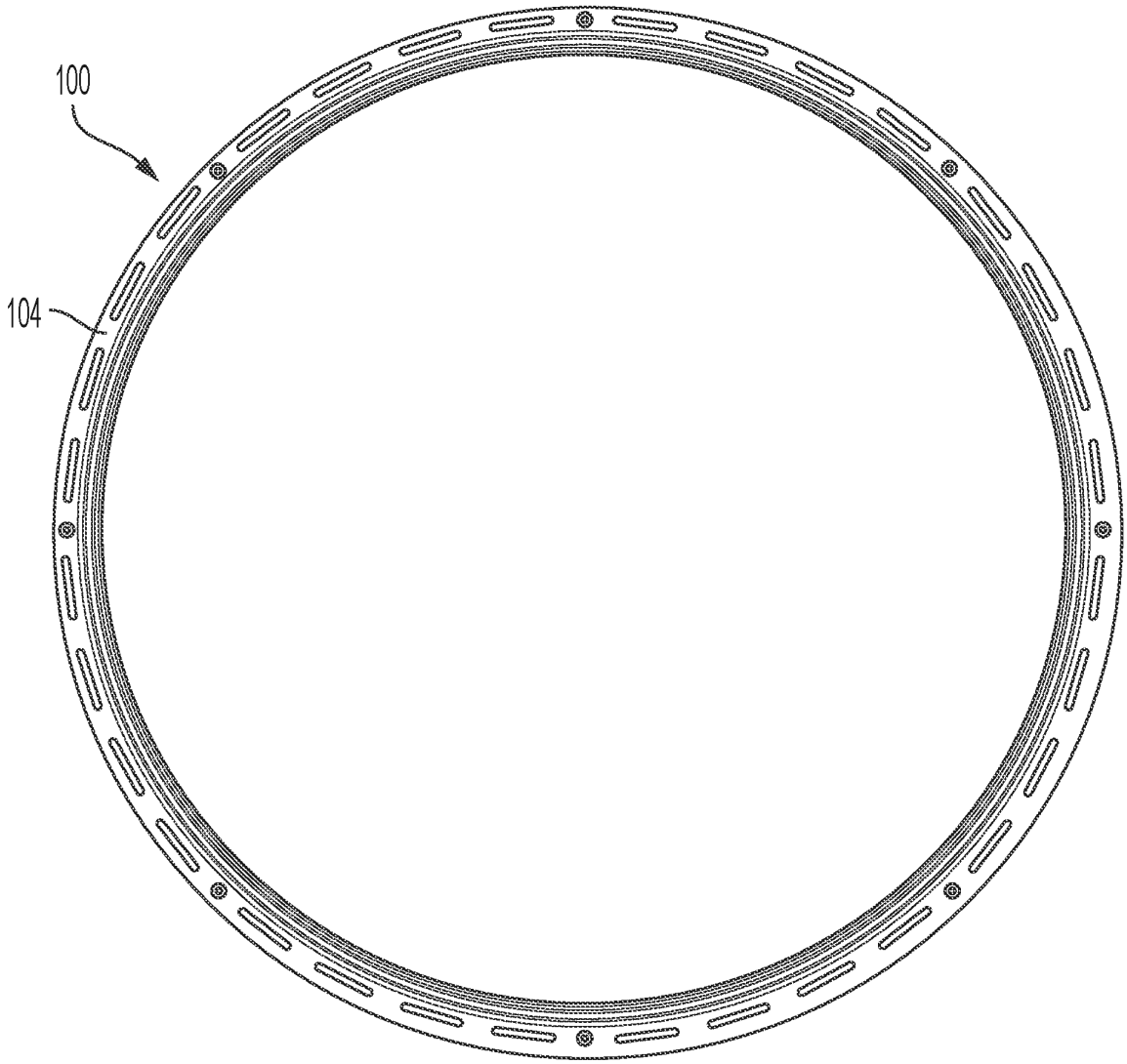


FIG. 4A

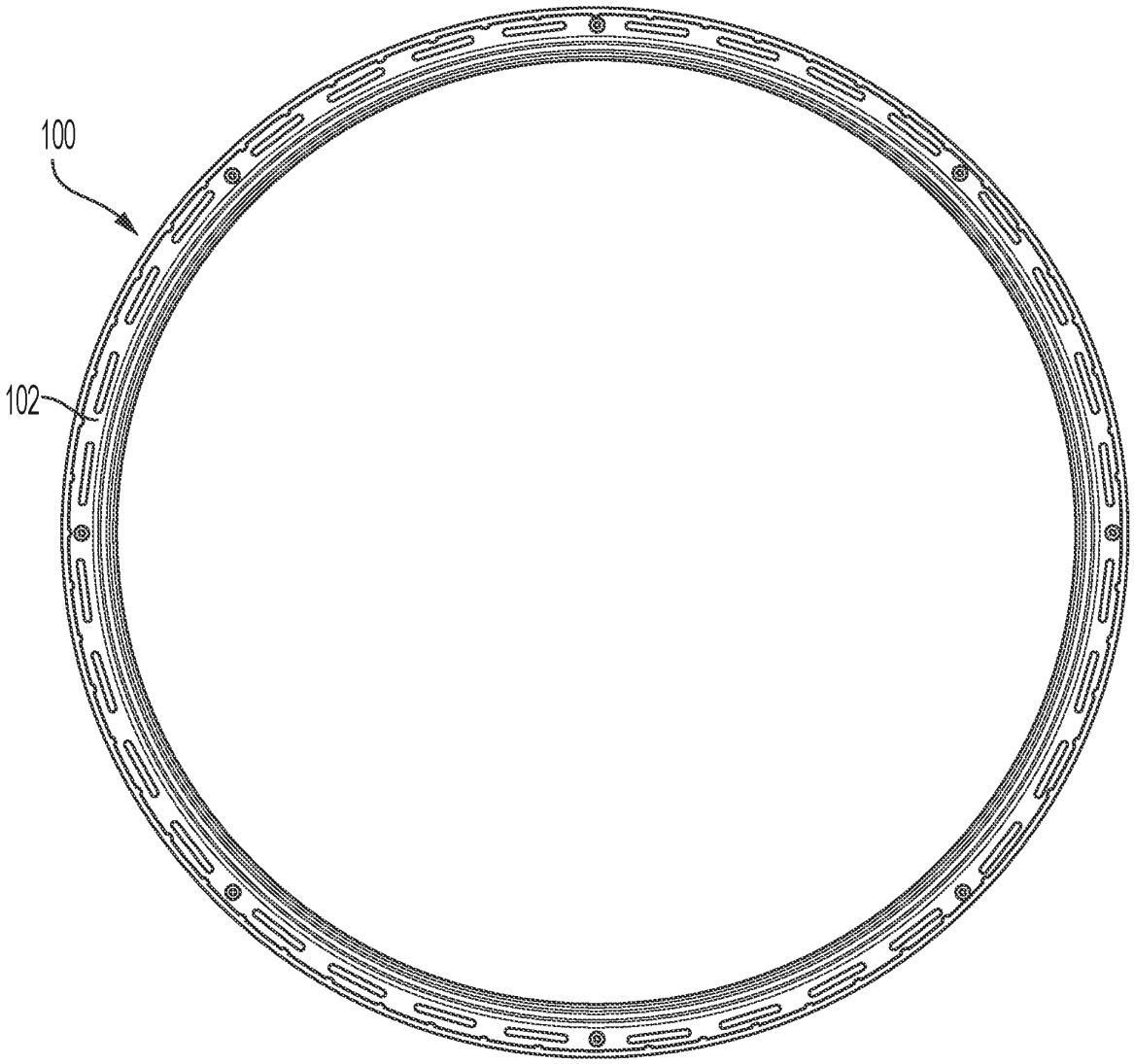


FIG. 4B

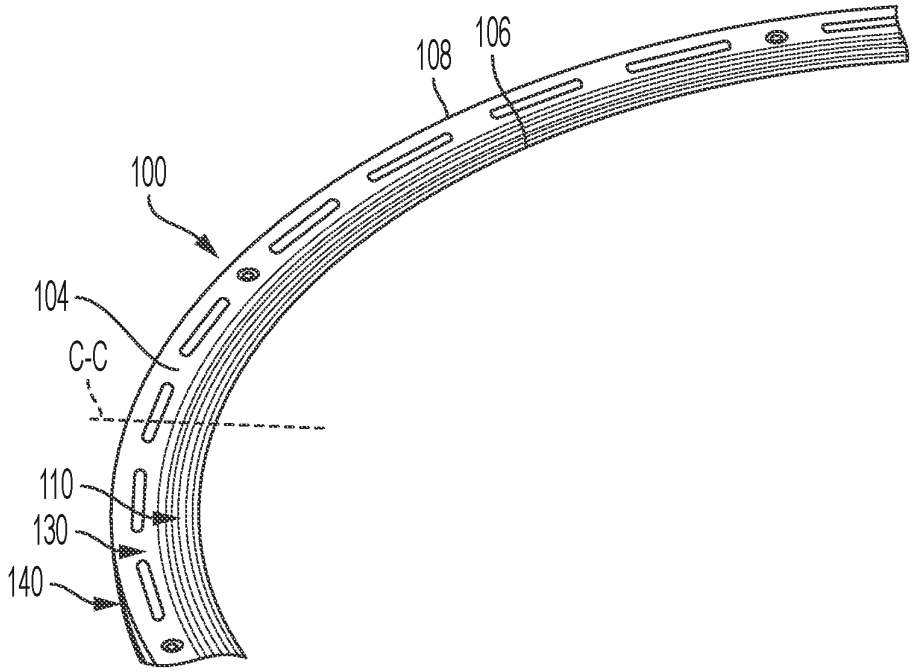


FIG. 5A

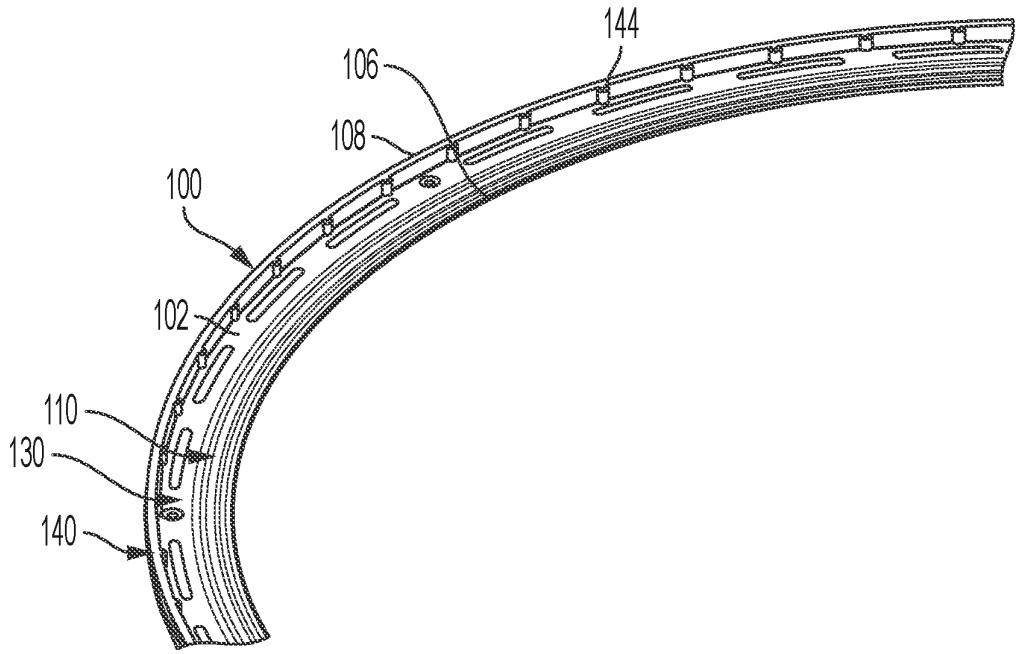


FIG. 5B

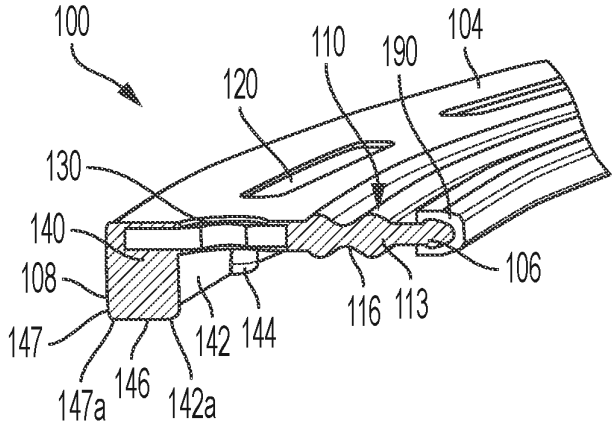

100
110
190
104
120
130
140
108
106
116
113
147
142
144
147a
146
142a

FIG. 6A

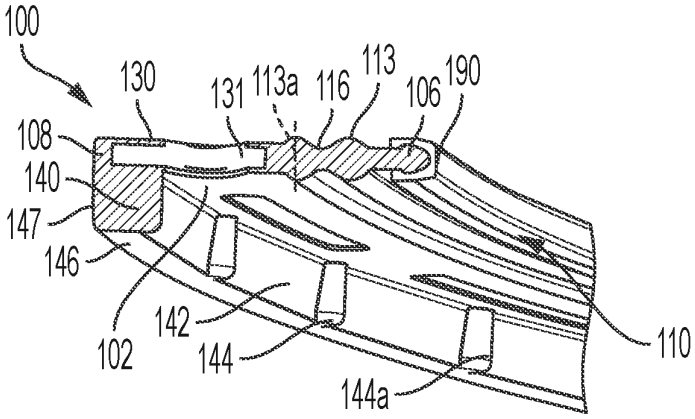

100
130
131
113a
116
113
106
190
108
140
147
146
142
102
144
110
144a

FIG. 6B

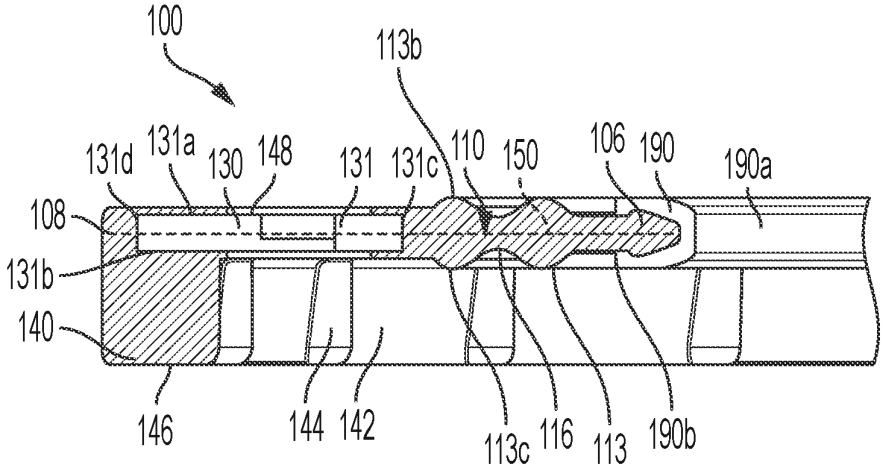

100
113b
131d
131a
130
148
131
131c
110
150
106
190
190a
108
131b
140
146
144
142
113c
116
113
190b

FIG. 6C

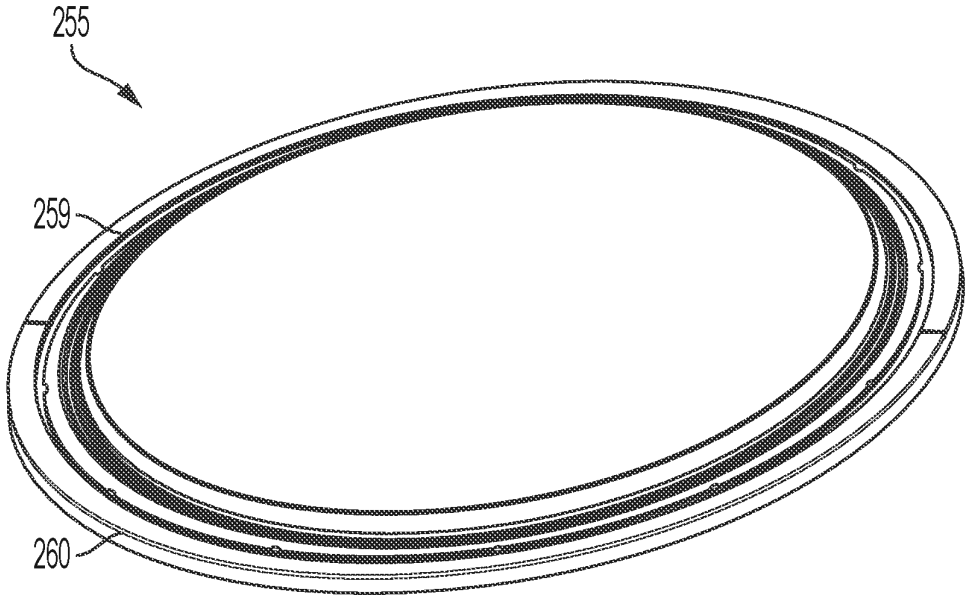


FIG. 7

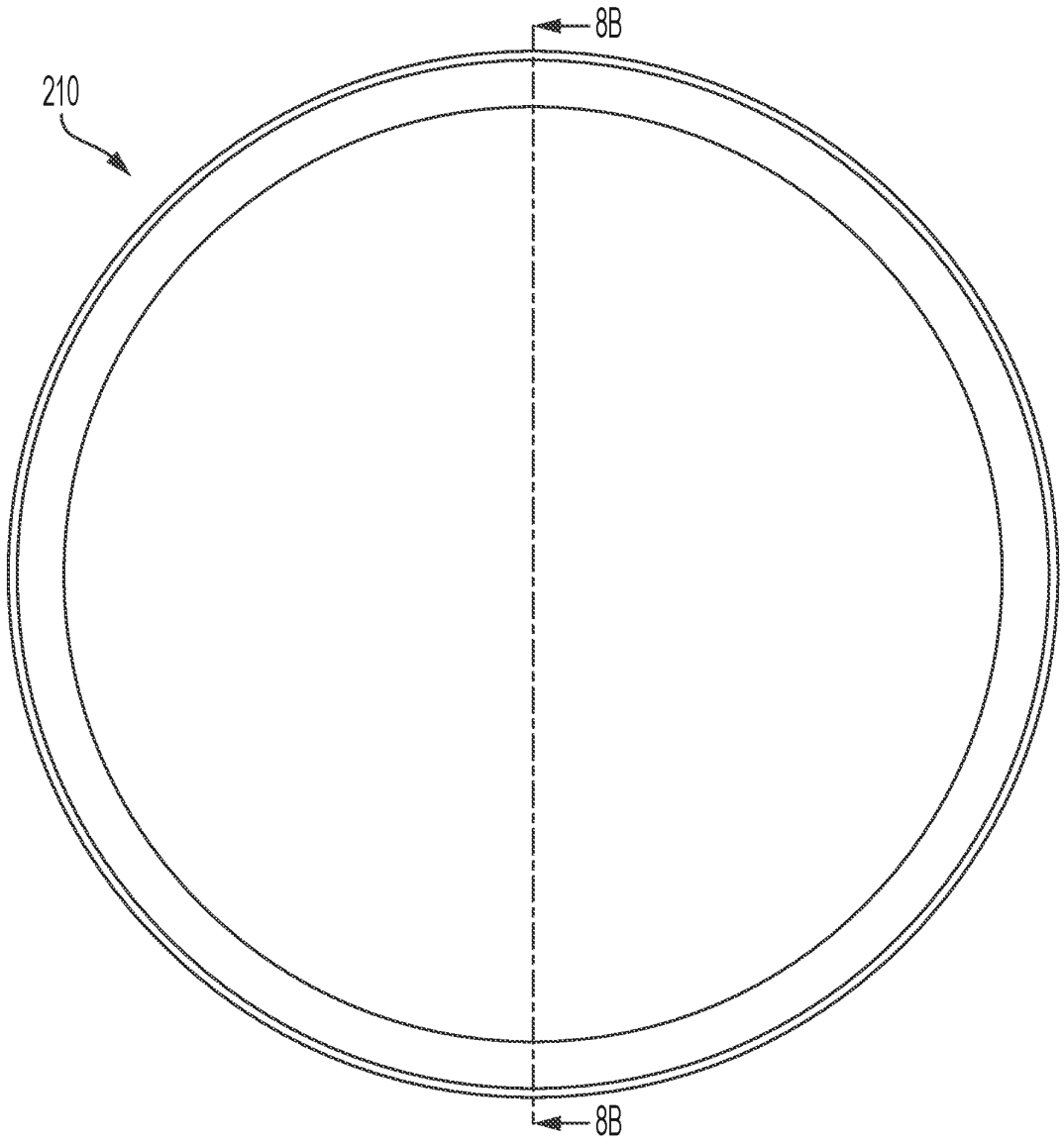


FIG. 8A

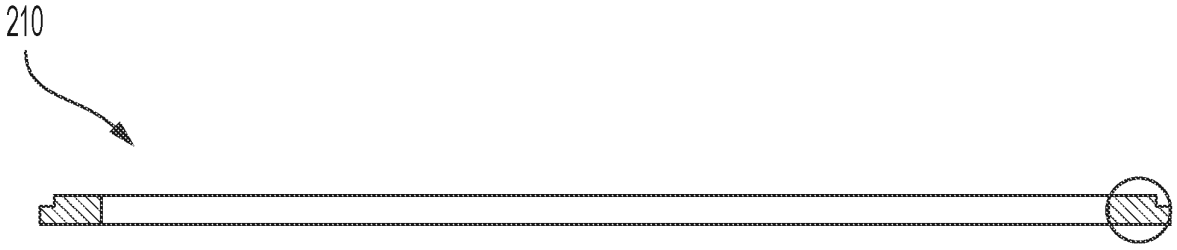


FIG. 8B

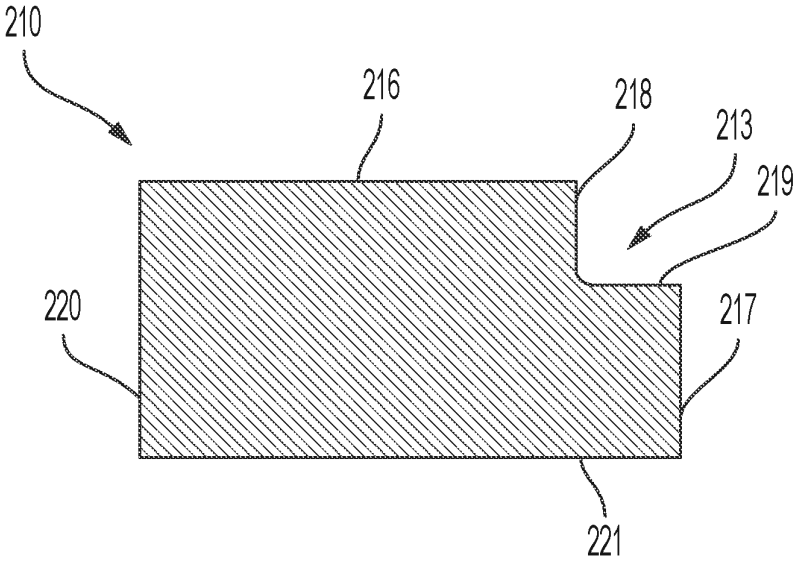


FIG. 8C

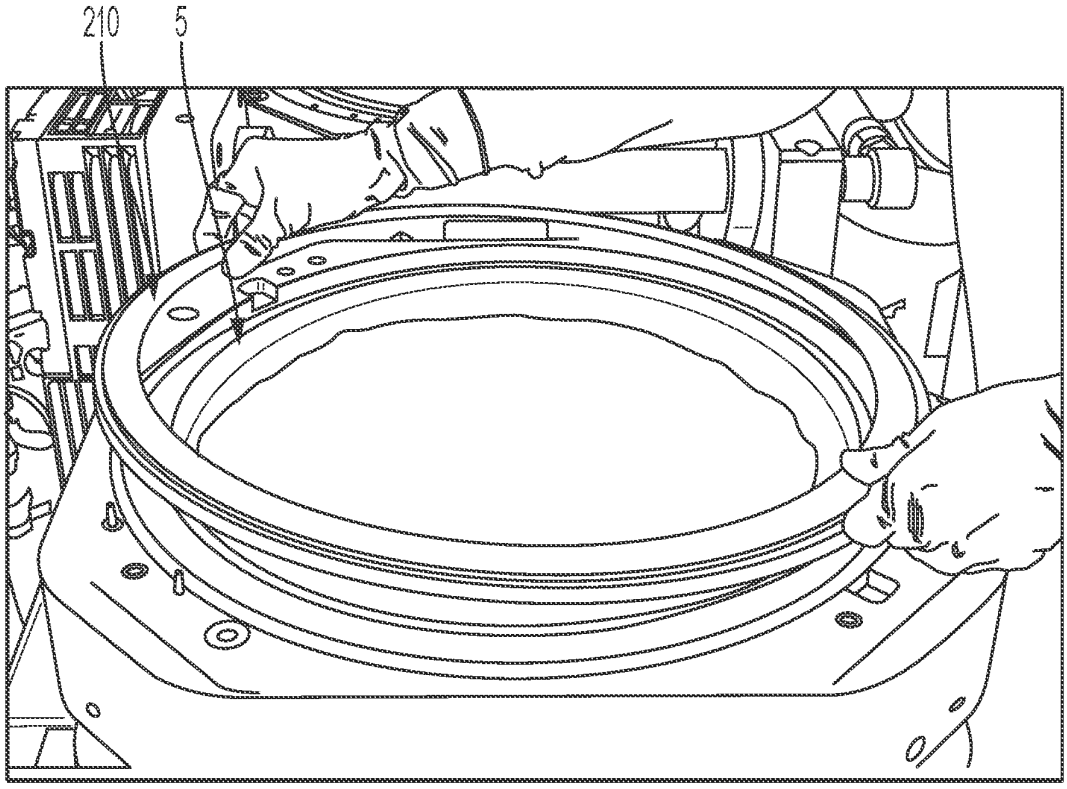


FIG. 9A

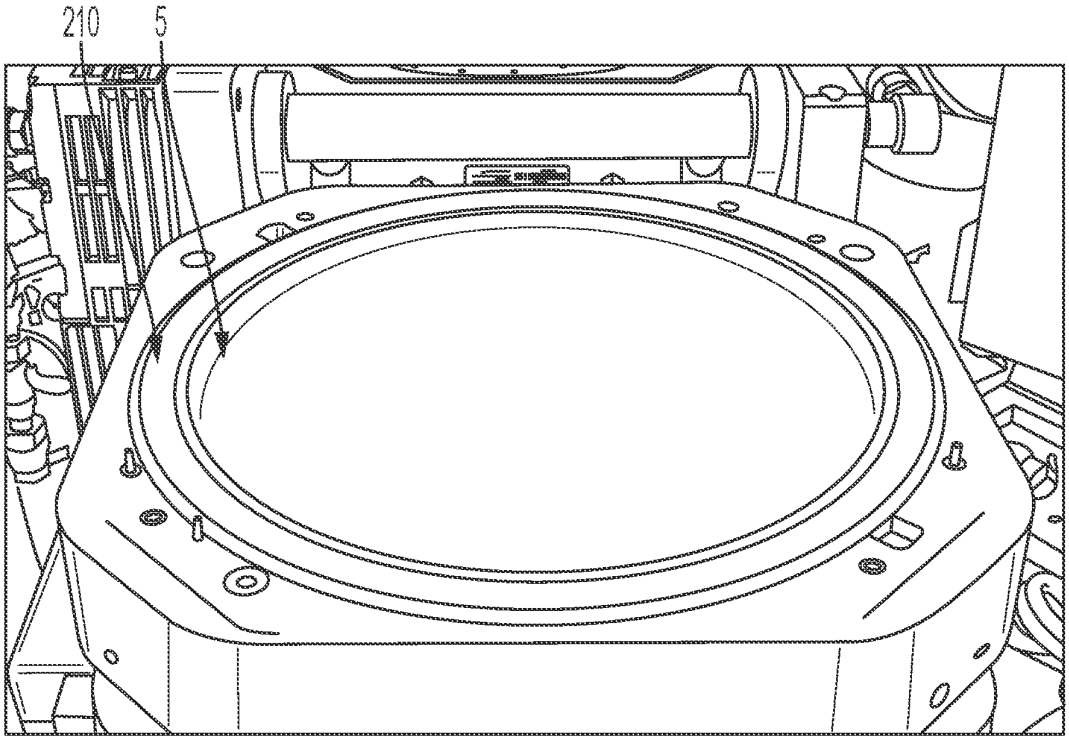


FIG. 9B

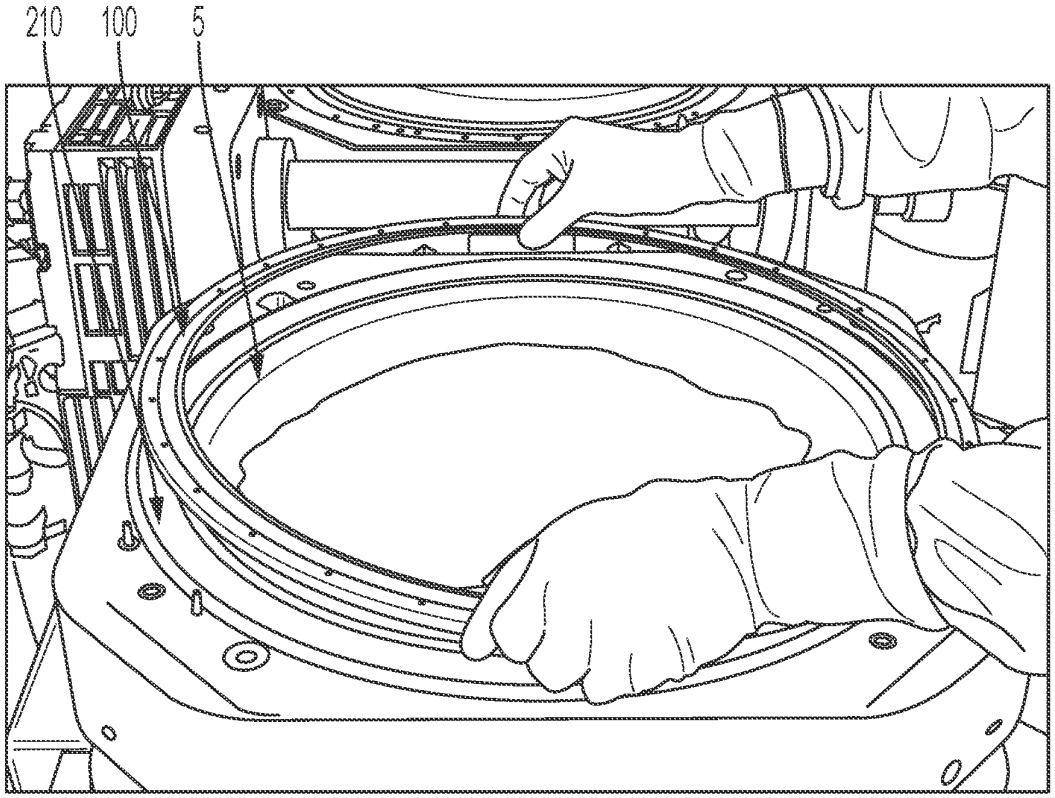


FIG. 10A

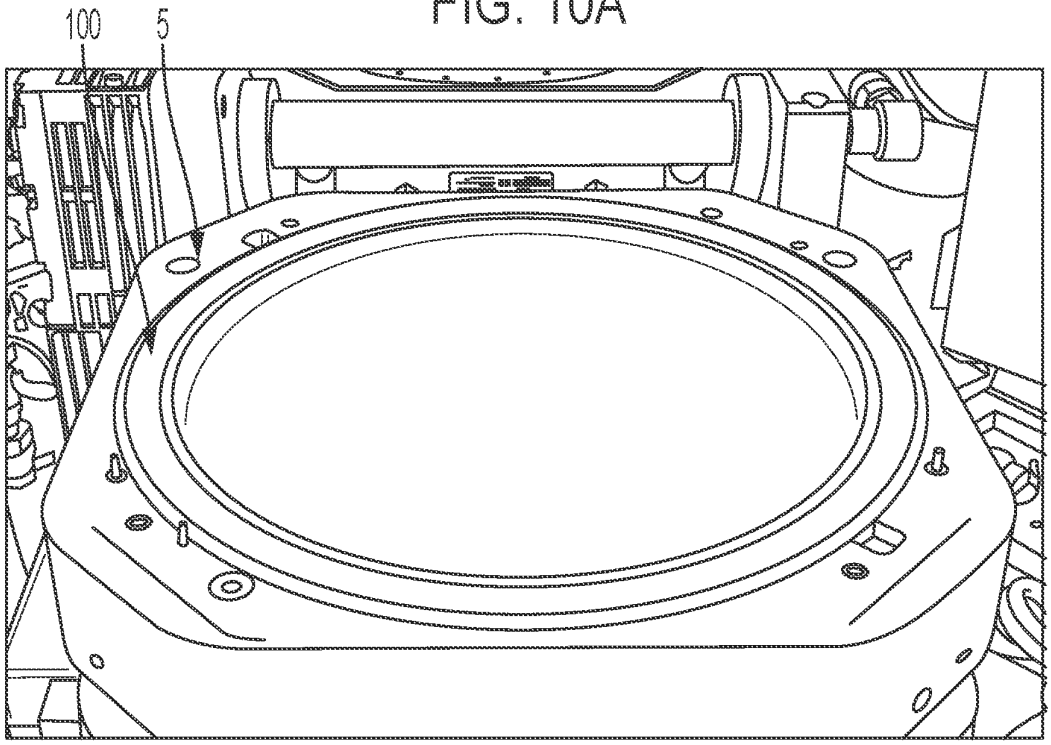


FIG. 10B

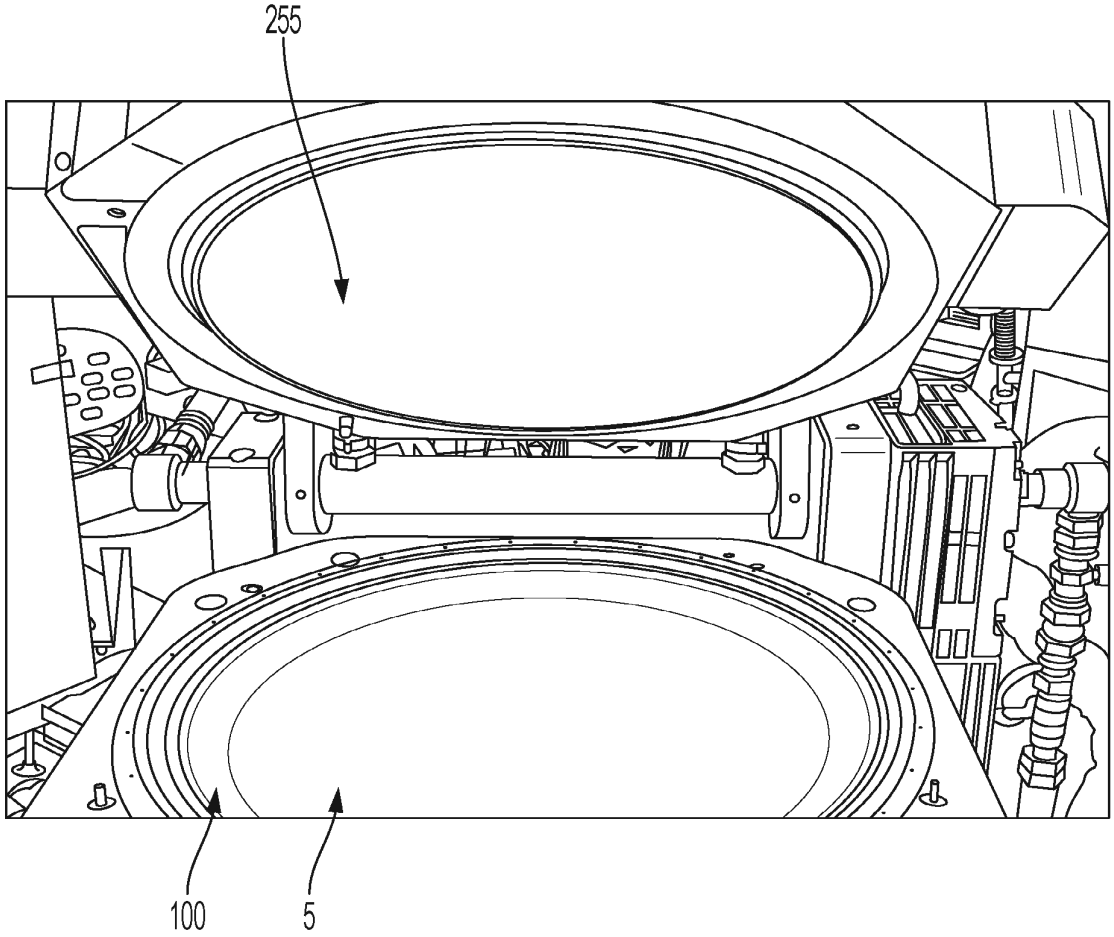


FIG. 11

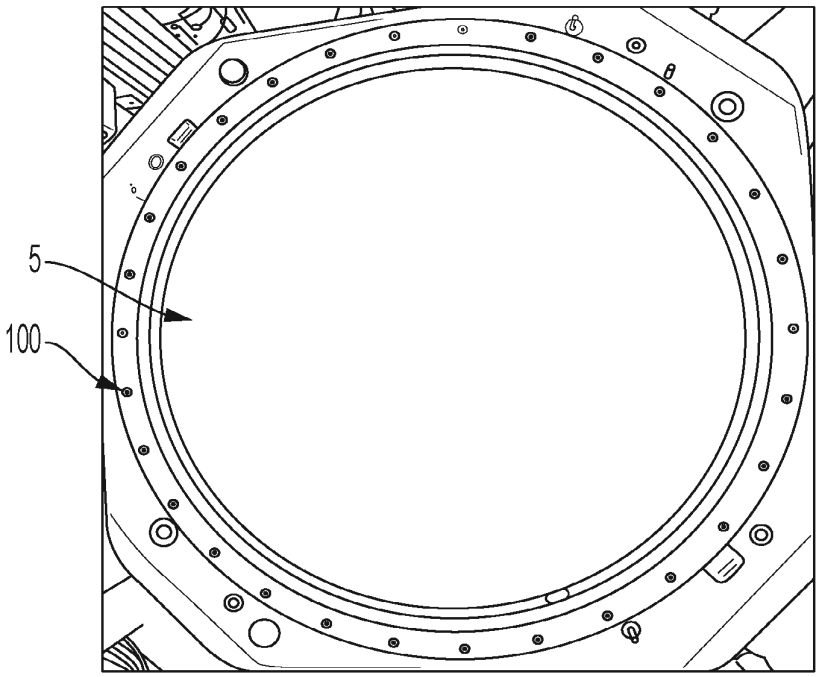


FIG. 12A

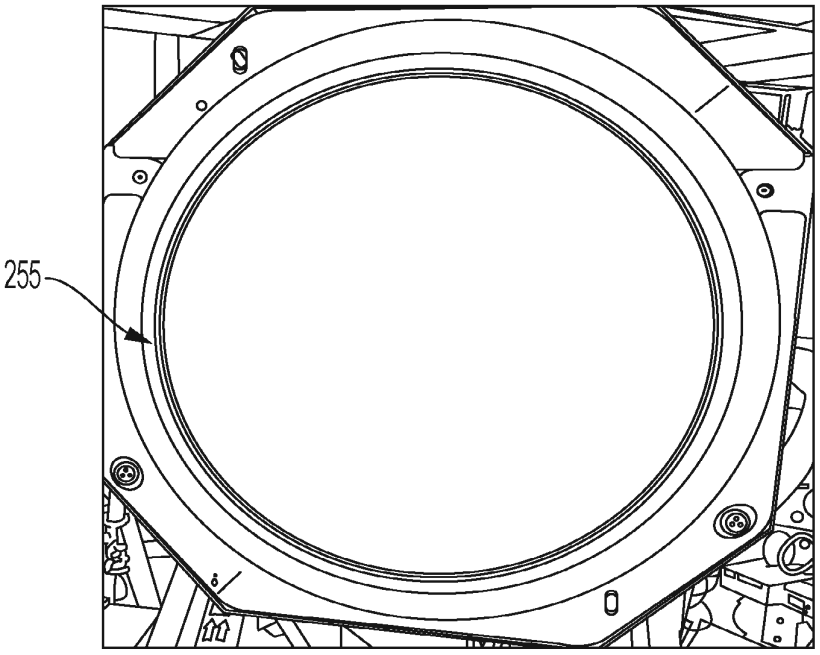


FIG. 12B

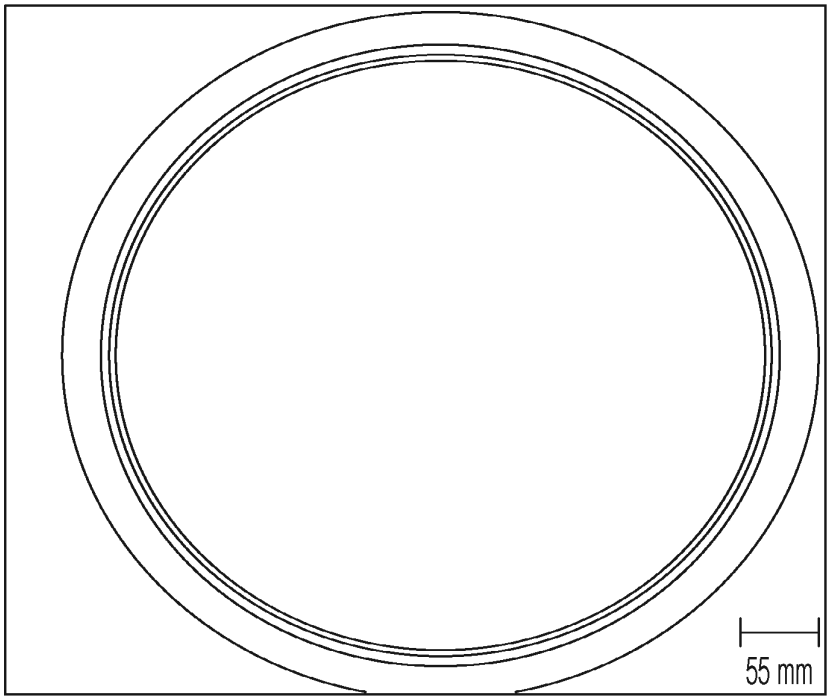


FIG. 13A

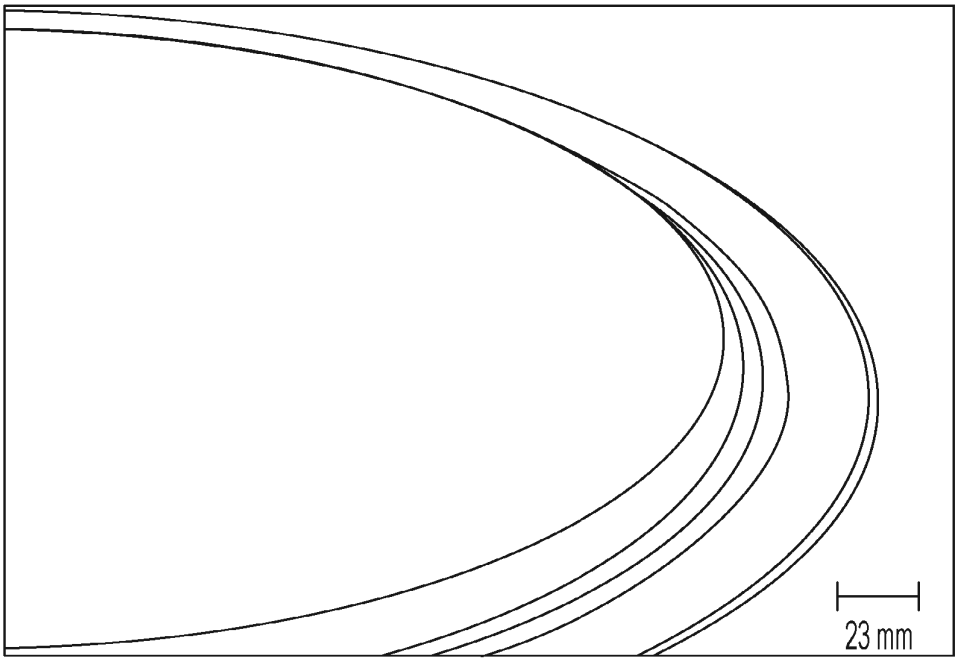


FIG. 13B

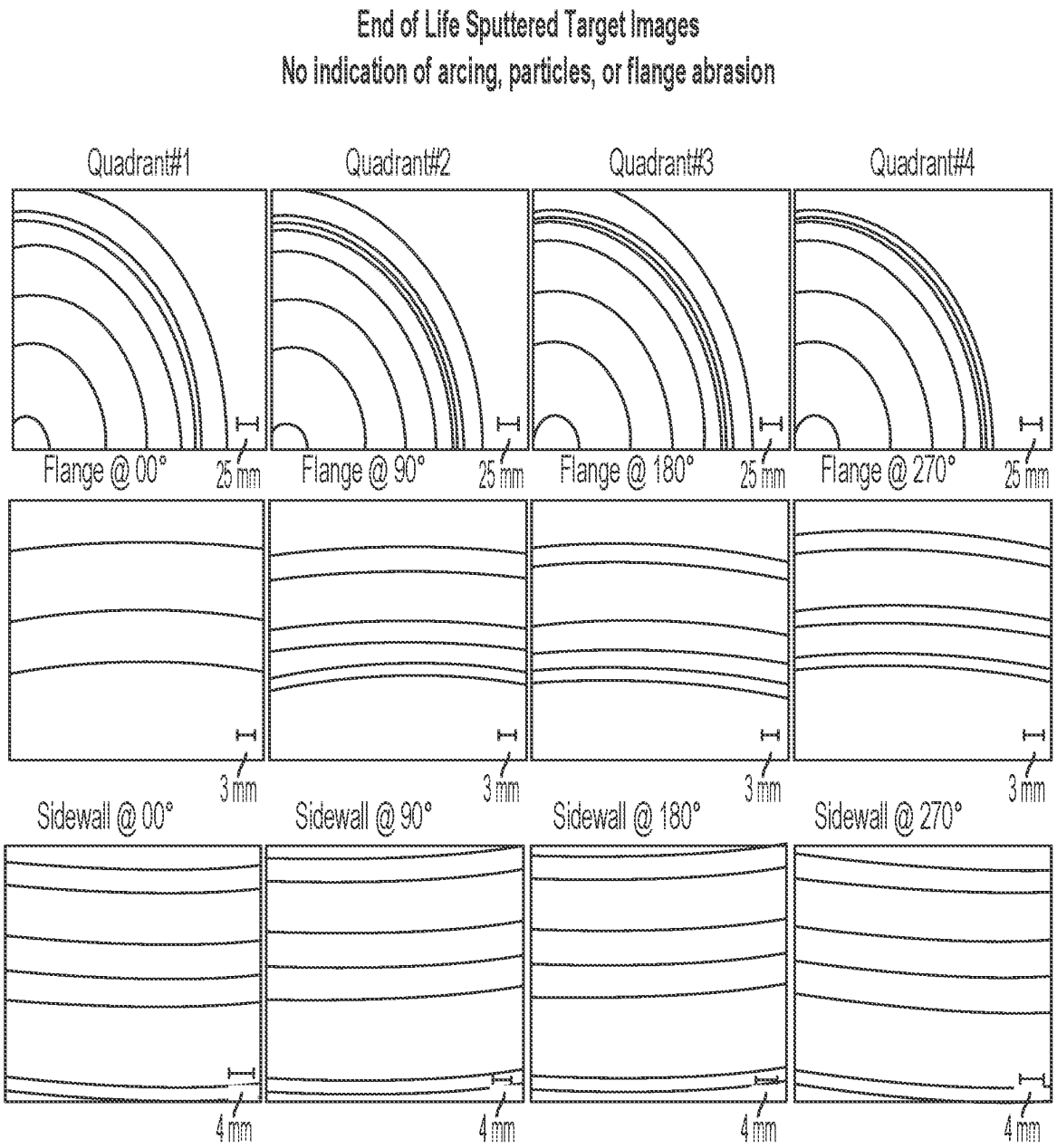


FIG. 14A FIG. 14B FIG. 14C FIG. 14D

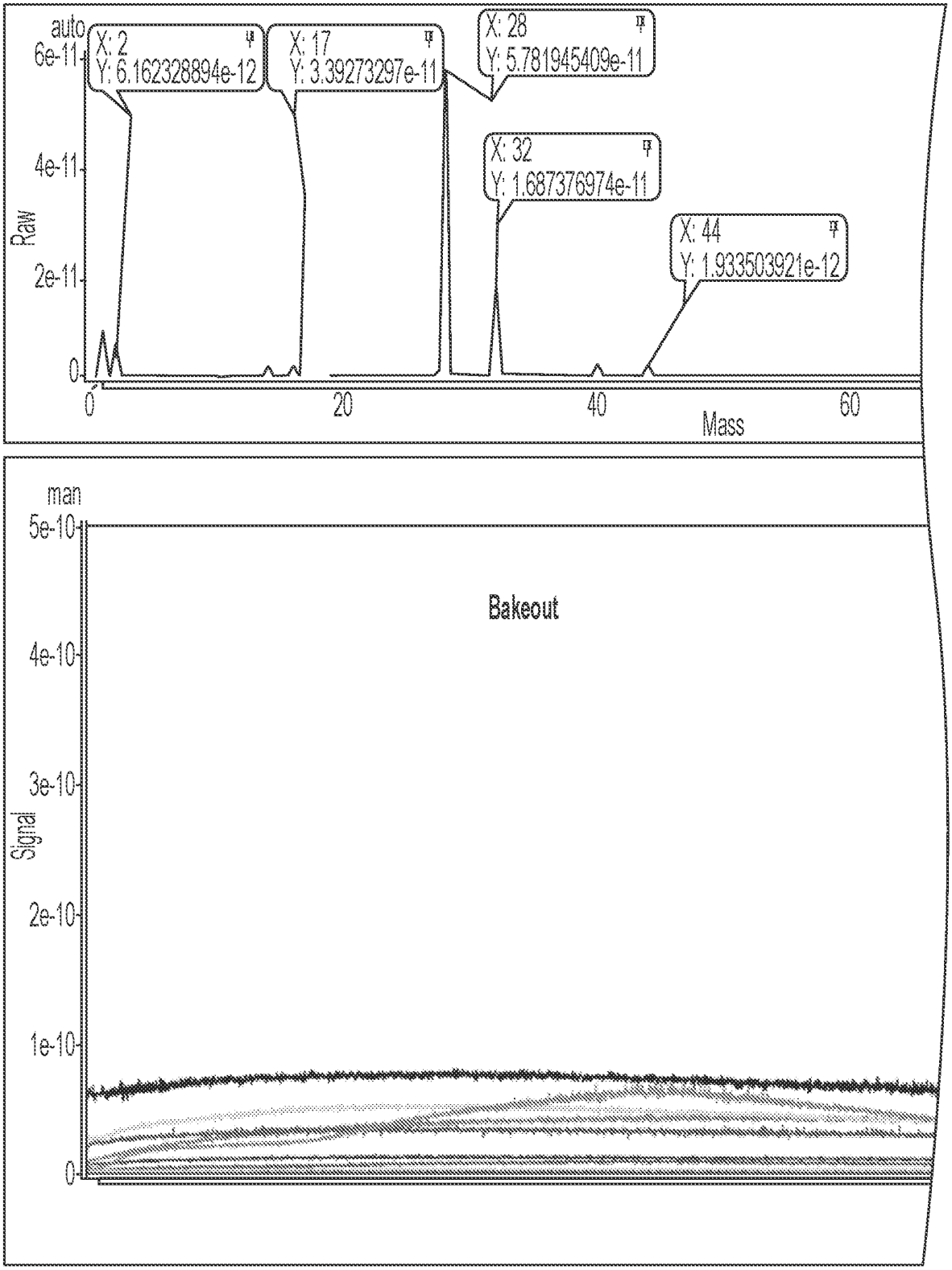

auto
6e-11
4e-11
2e-11
0
Raw
X: 2
Y: 6.162328894e-12
X: 17
Y: 3.39273297e-11
X: 28
Y: 5.781945409e-11
X: 32
Y: 1.687376974e-11
X: 44
Y: 1.933503921e-12
0
20
40
60
Mass
man
5e-10
4e-10
3e-10
2e-10
1e-10
0
Signal
Bakeout

FIG. 15A

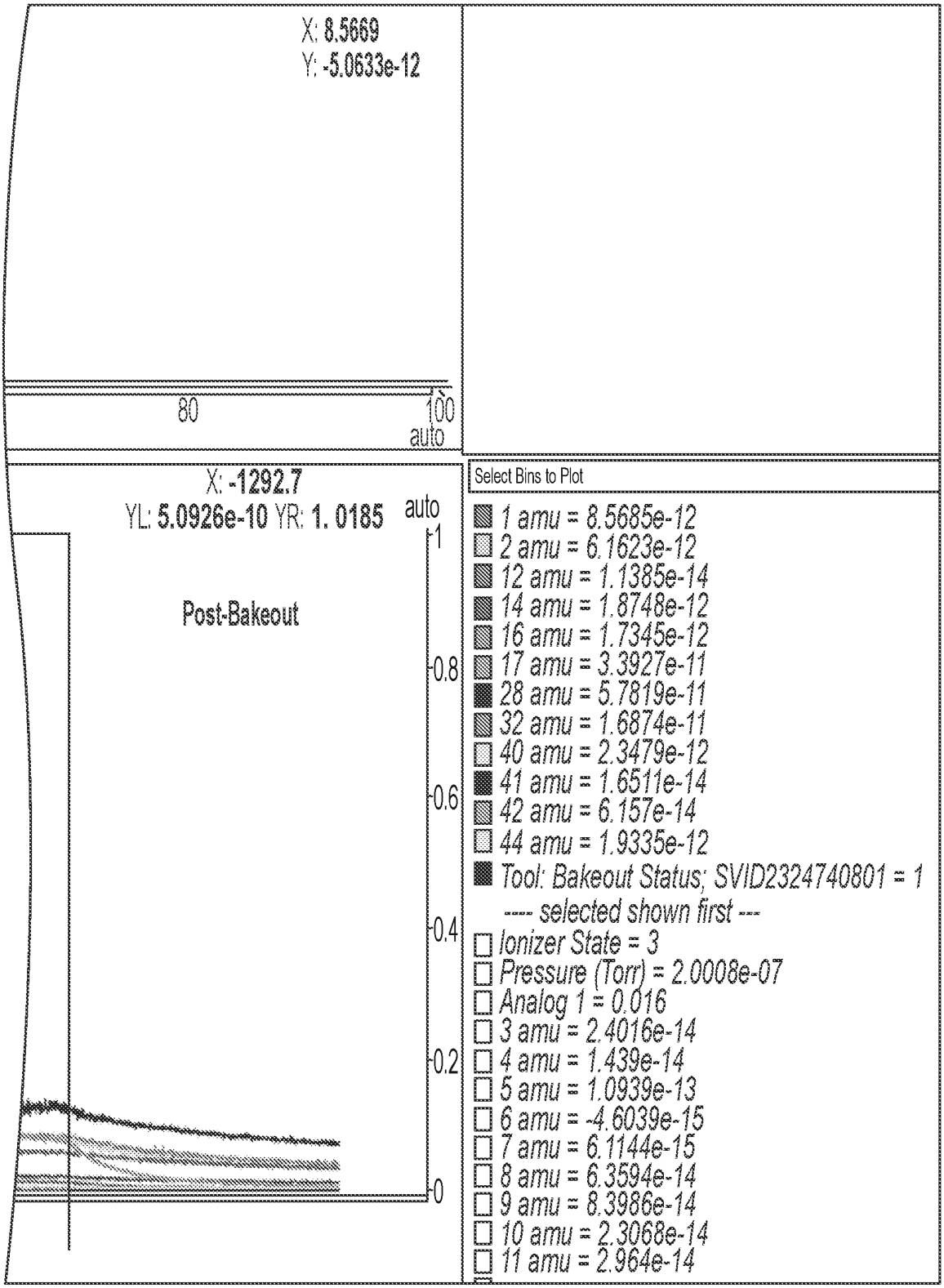


FIG. 15A
CONTINUED

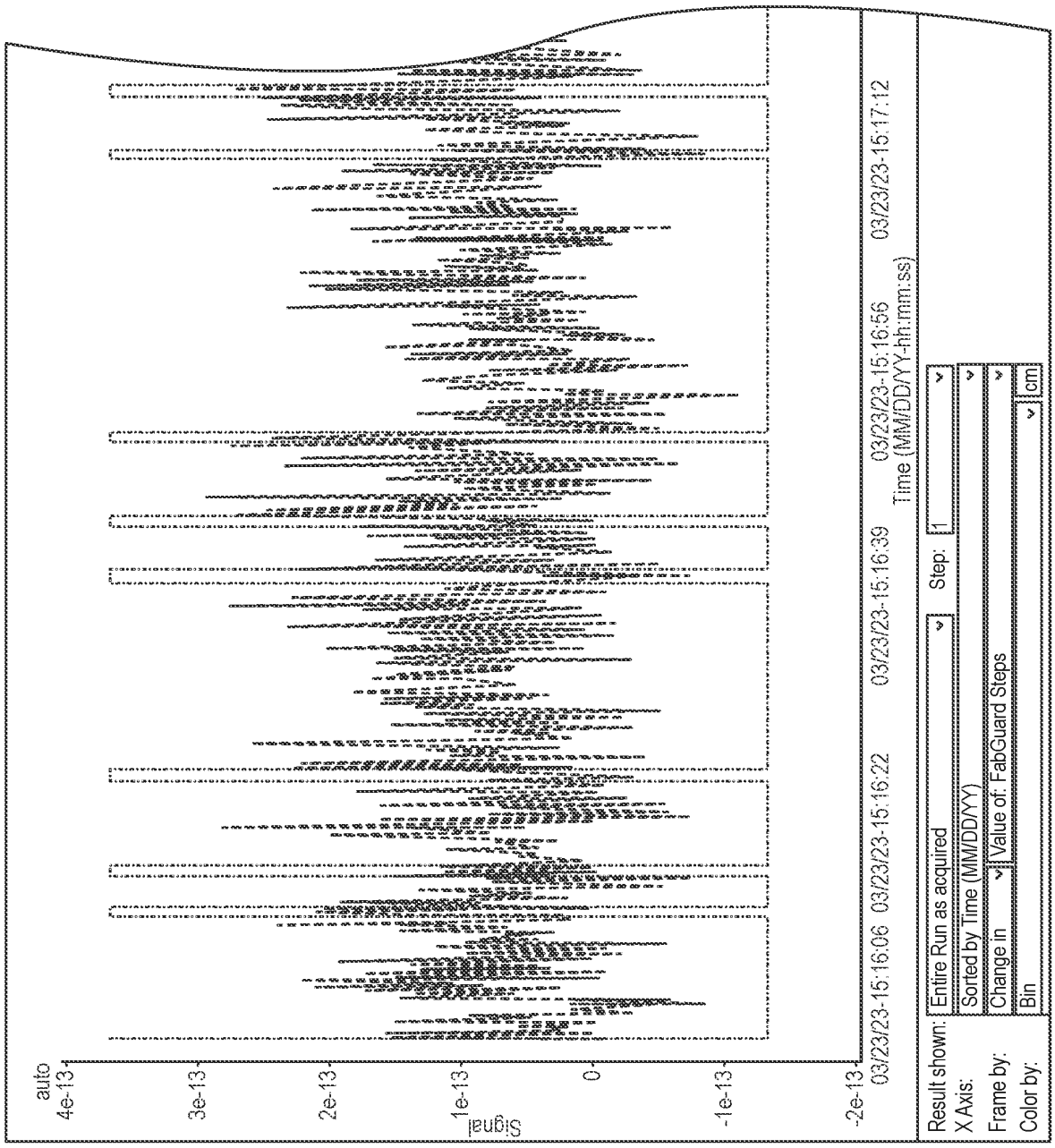

auto
4e-13
3e-13
2e-13
1e-13
0
-1e-13
-2e-13
Signal
03/23/23-15:16:06
03/23/23-15:16:22
03/23/23-15:16:39
03/23/23-15:16:56
03/23/23-15:17:12
Time (MM/DD/YY-hh:mm:ss)
Result shown:
Entire Run as acquired
Step:
1
X Axis:
Sorted by Time (MM/DD/YY)
Frame by:
Change in
Value of: FabGuard Steps
Color by:
Bin
cm

FIG. 15B

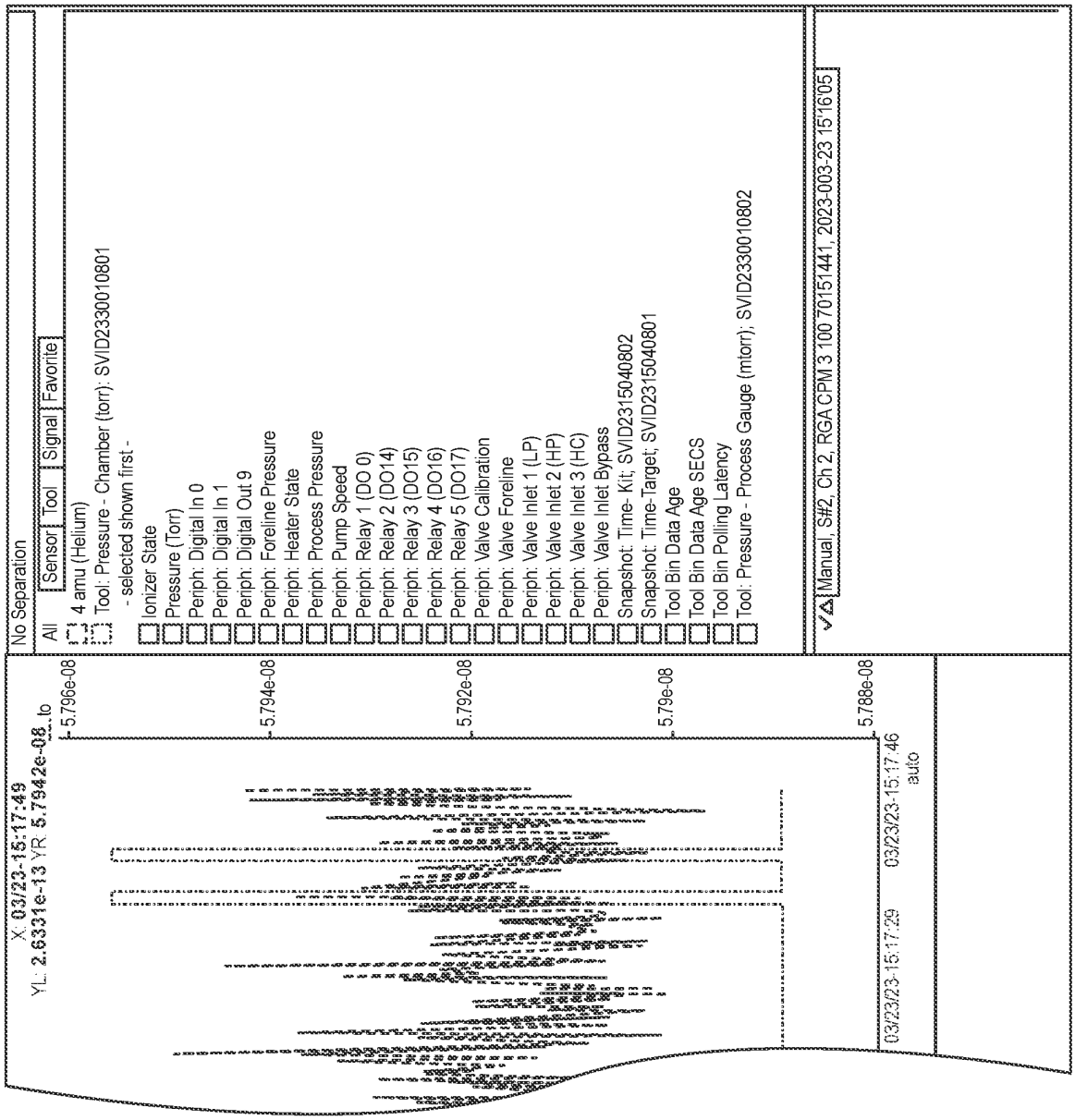


FIG. 15B
CONTINUED

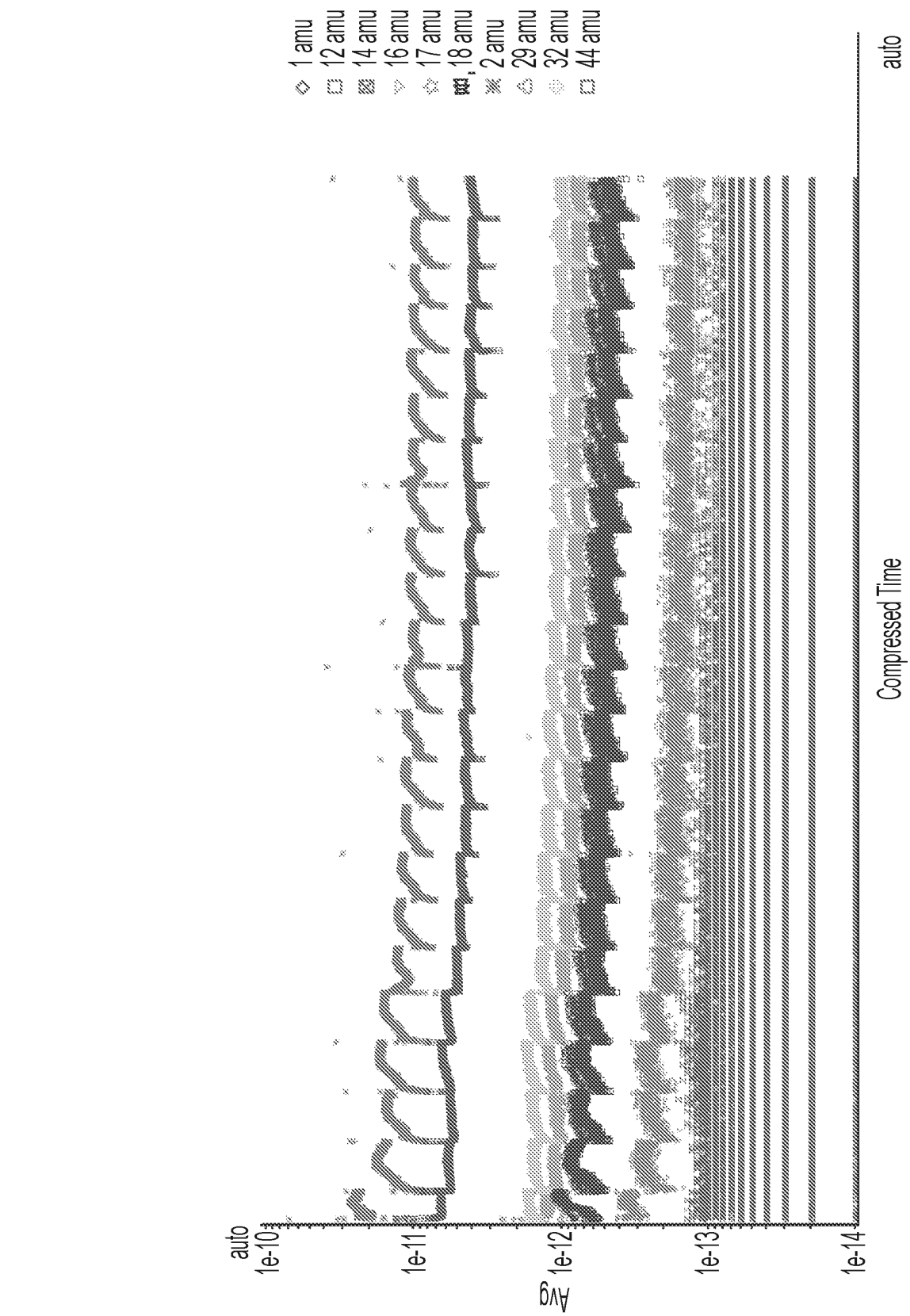

1 amu
12 amu
14 amu
16 amu
17 amu
18 amu
2 amu
29 amu
32 amu
44 amu
auto
1e-10
1e-11
1e-12
1e-13
1e-14
Avg
Compressed Time
auto

FIG. 15C

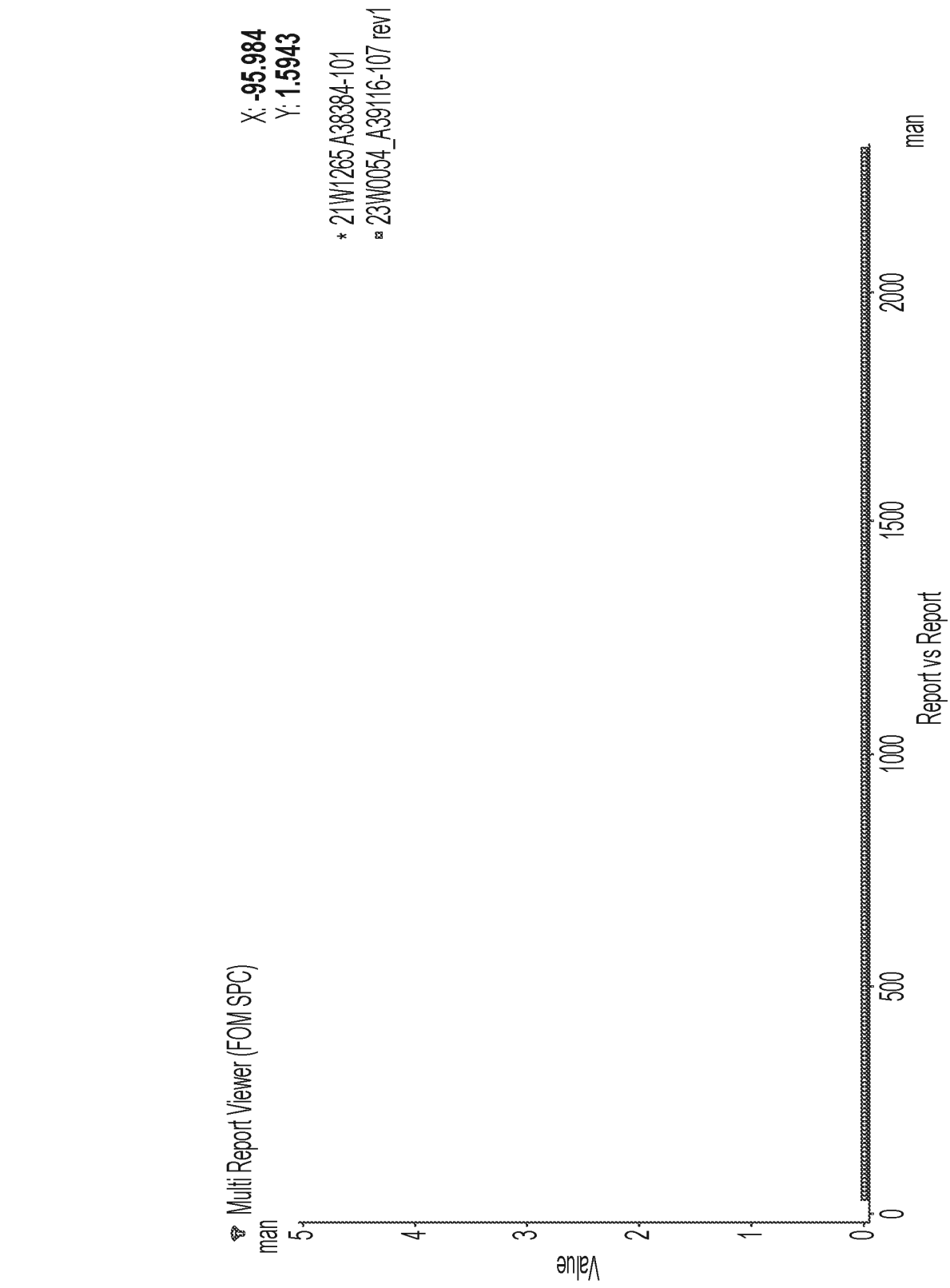

Multi Report Viewer (FOM SPC)
man
X: -95.984
Y: 1.5943
21W1265 A38384-101
23W0054_A39116-107 rev1
Value
0
1
2
3
4
5
0
500
1000
1500
2000
Report vs Report
man

FIG. 15D

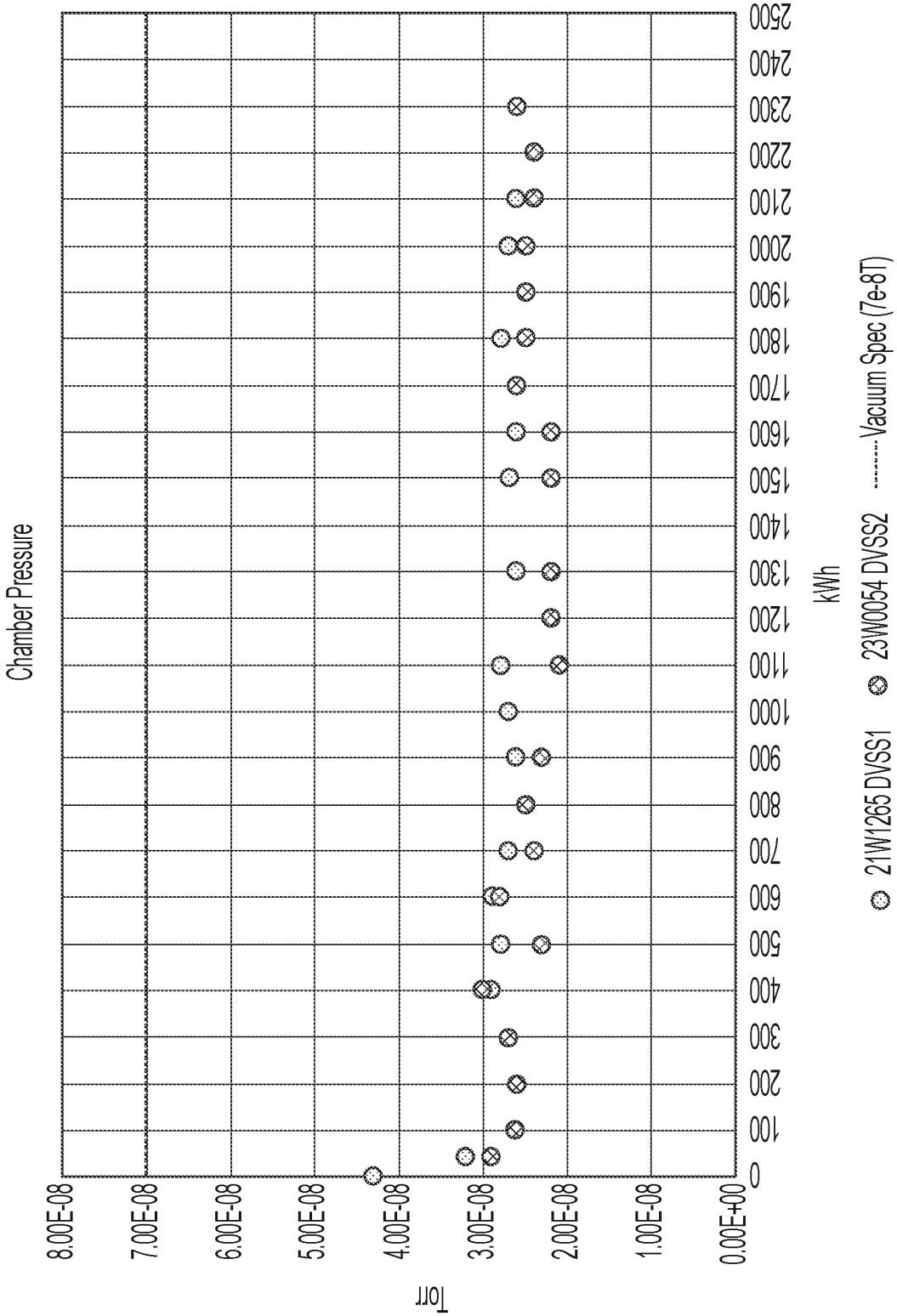

Chamber Pressure
Torr
8.00E-08
7.00E-08
6.00E-08
5.00E-08
4.00E-08
3.00E-08
2.00E-08
1.00E-08
0.00E+00
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
kWh
21W1265 DVSS1
23W0054 DVSS2
Vacuum Spec (7e-8T)

FIG. 15E