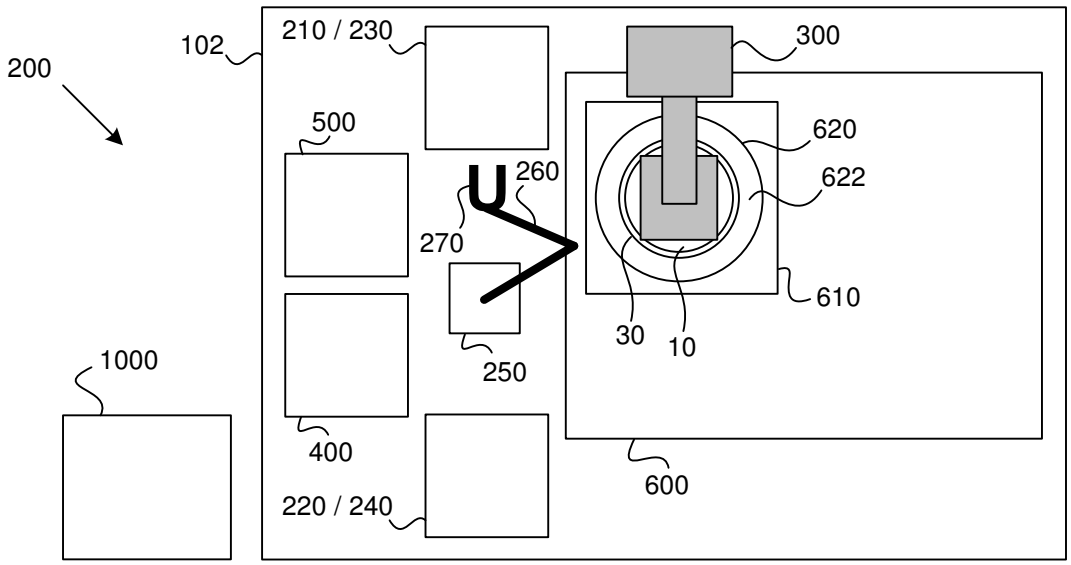

200
102
210 / 230
300
500
620
622
260
270
610
30
10
250
1000
400
600
220 / 240

FIG. 1A

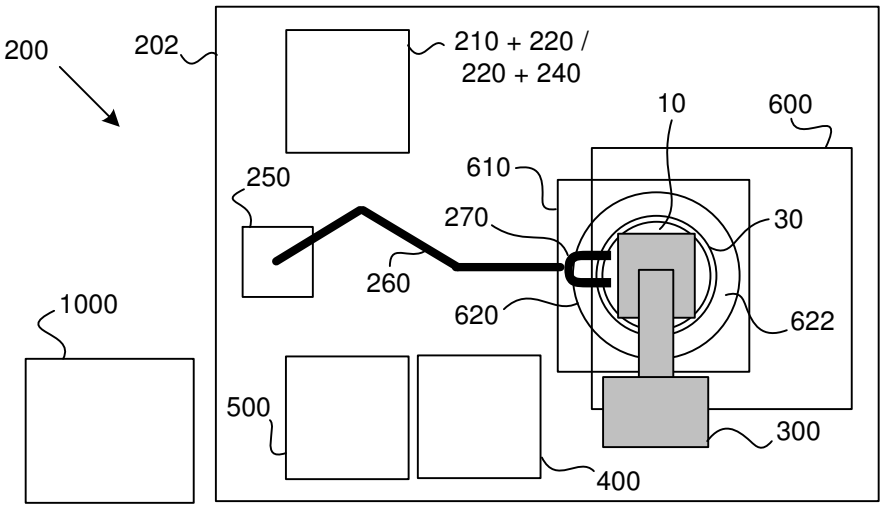

200
202
210 + 220 /
220 + 240
10
600
610
250
270
30
260
620
622
1000
500
300
400

FIG. 1B

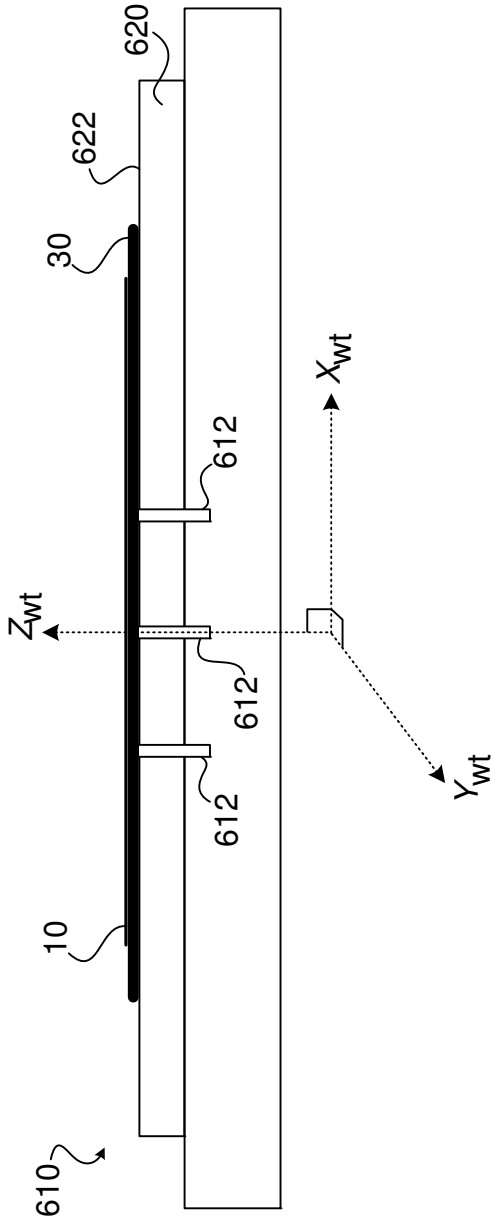


FIG. 1C

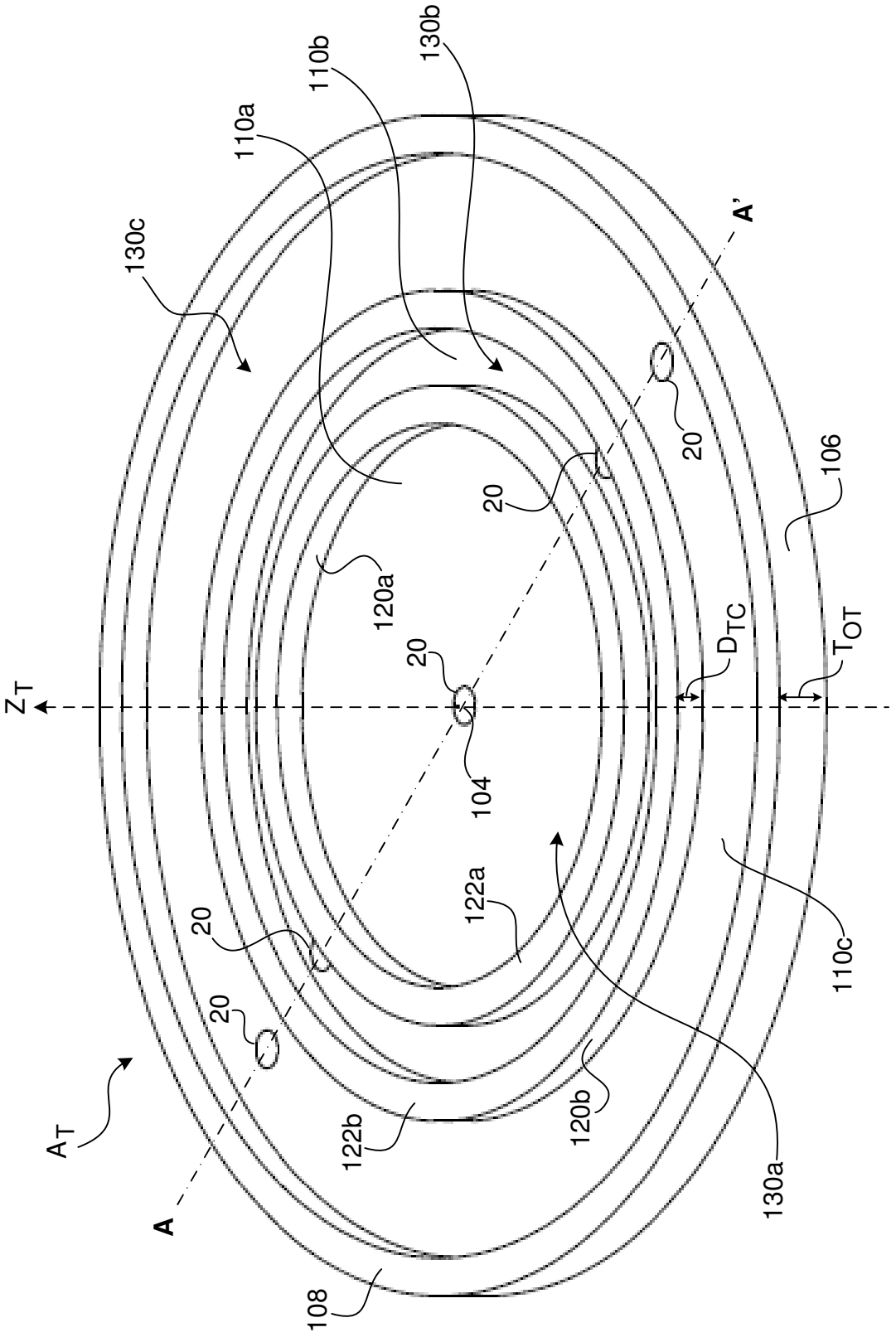
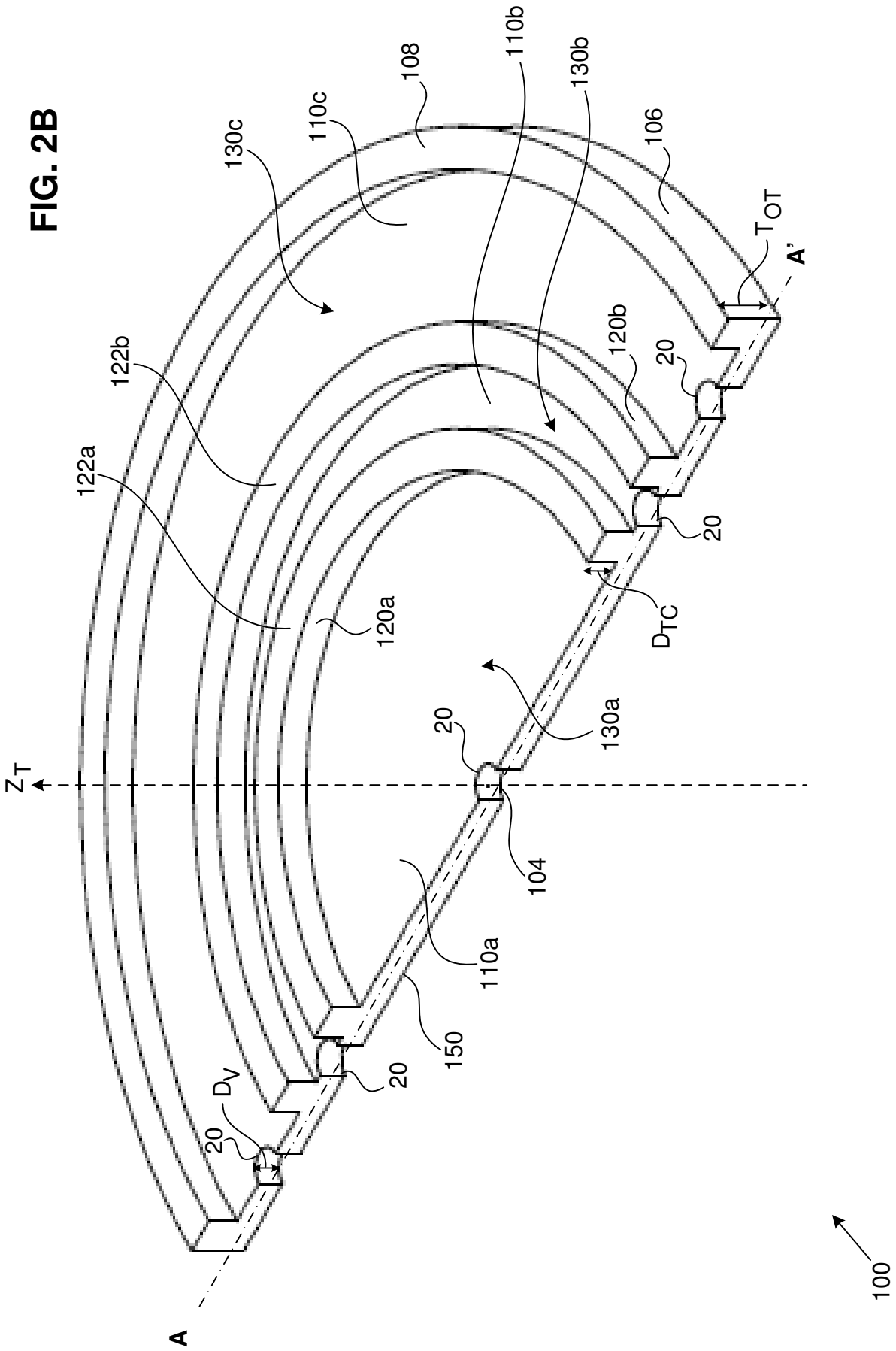

130c
110a
110b
130b
A'
20
106
120a
20
20
D_{TC}
T_{OT}
Z_T
104
122a
20
20
110c
A_T
122b
120b
130a
A
108
100

FIG. 2A

FIG. 2B


130c
110c
108
110b
130b
106
T_{OT}
A'
122b
120b
20
122a
20
120a
D_{TC}
20
130a
Z_T
104
110a
150
20
D_V
20
A
100

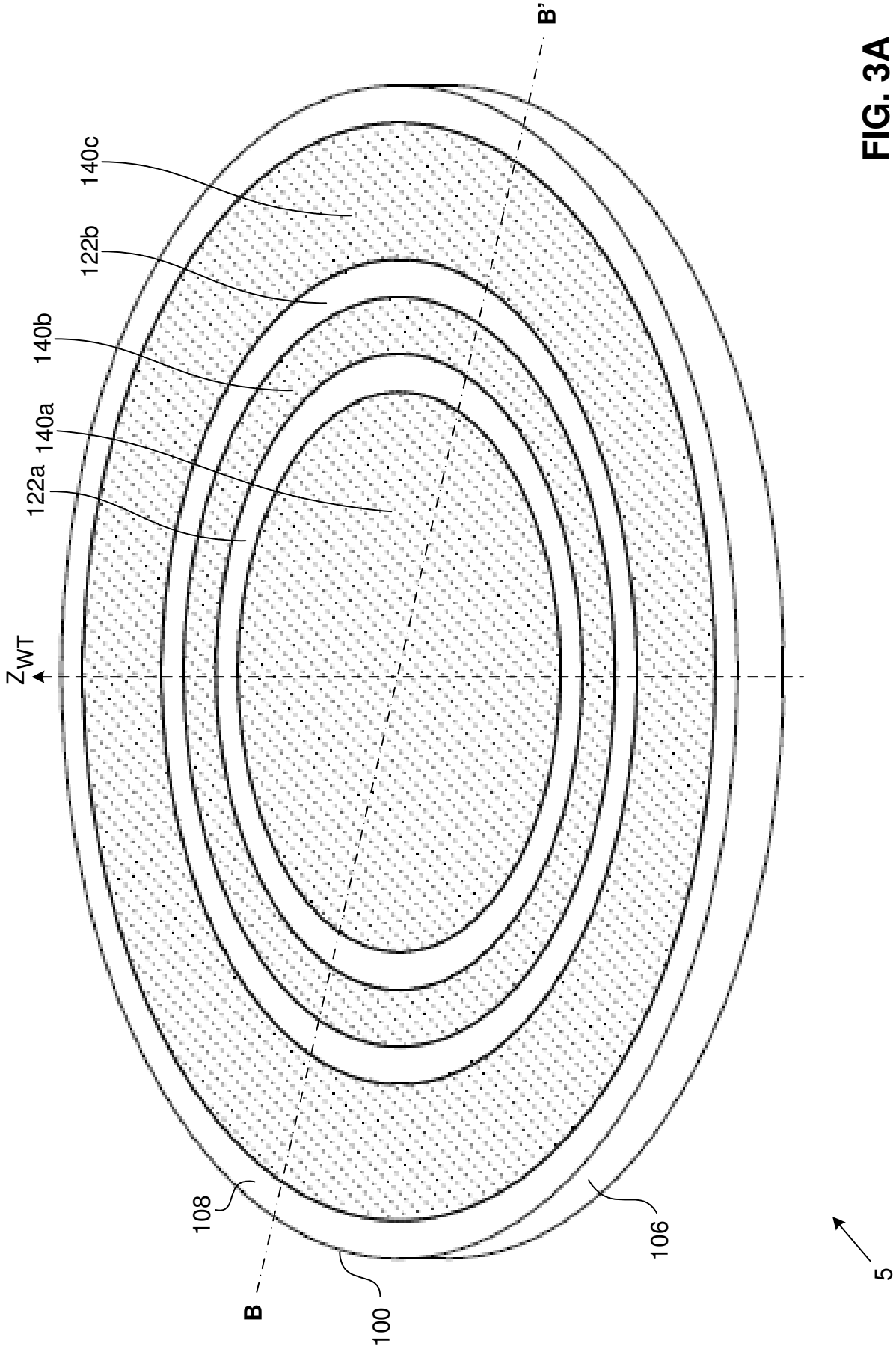


FIG. 3A

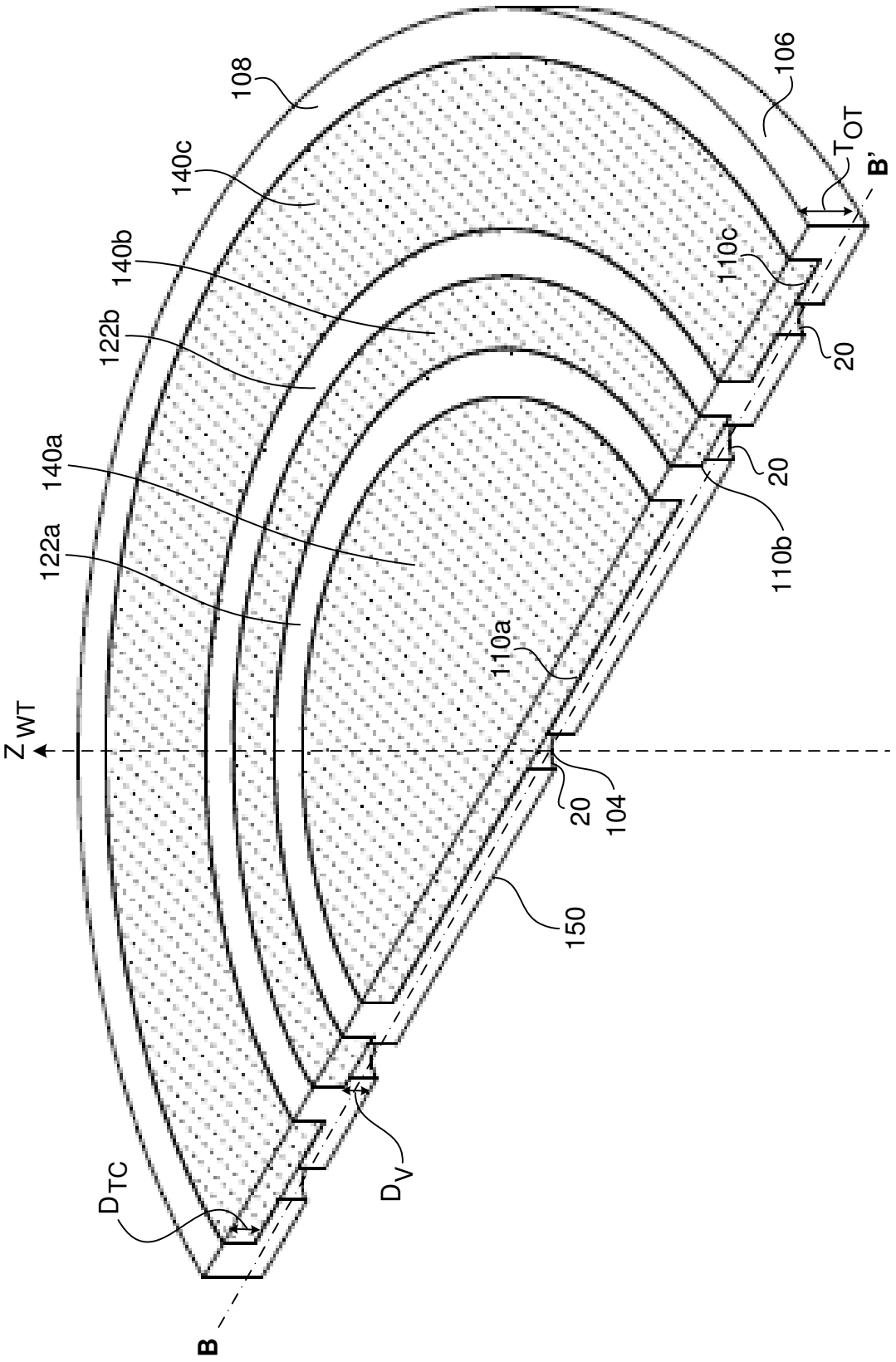

108
106
140c
T_{OT}
B'
140b
110c
122b
20
140a
20
122a
110b
110a
Z_{WT}
20
104
150
D_{TC}
D_V
B
5

FIG. 3B

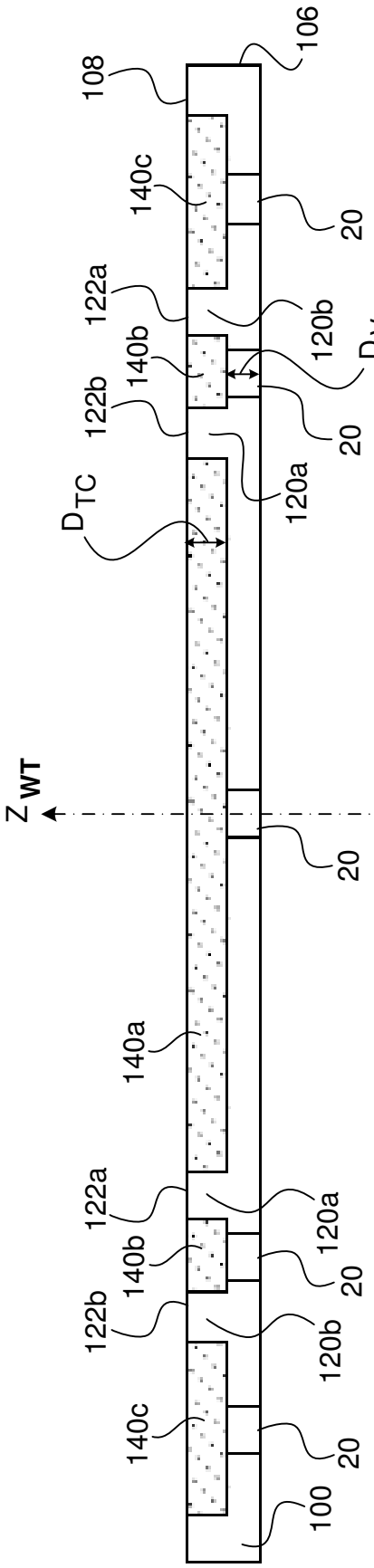

108
106
140c
20
122a
120b
140b
D_V
122b
20
120a
D_{TC}
Z_{WT}
20
140a
122a
120a
140b
20
122b
120b
140c
20
100

FIG. 3C

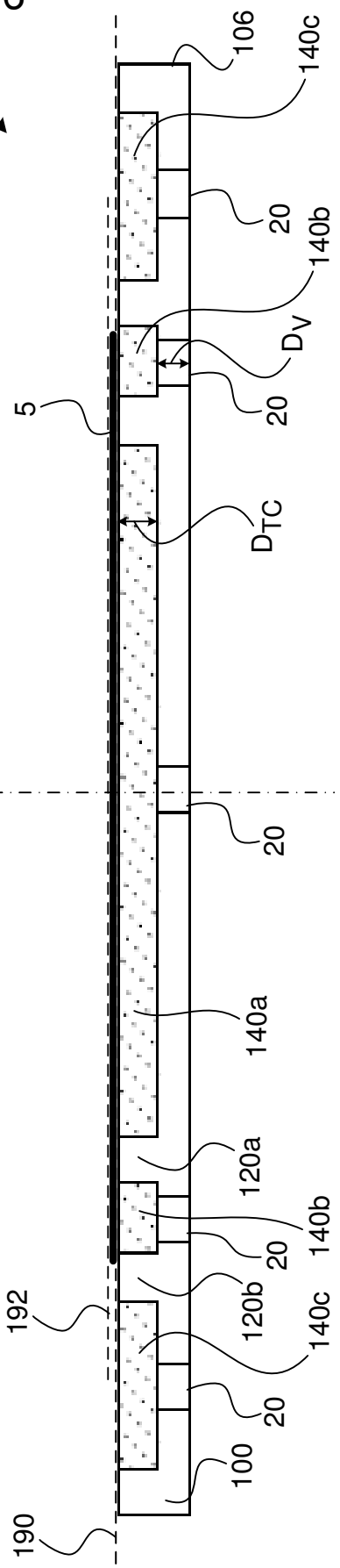

5
106
140c
20
140b
D_V
20
5
D_{TC}
20
140a
120a
140b
20
192
120b
140c
20
100
190

FIG. 3D

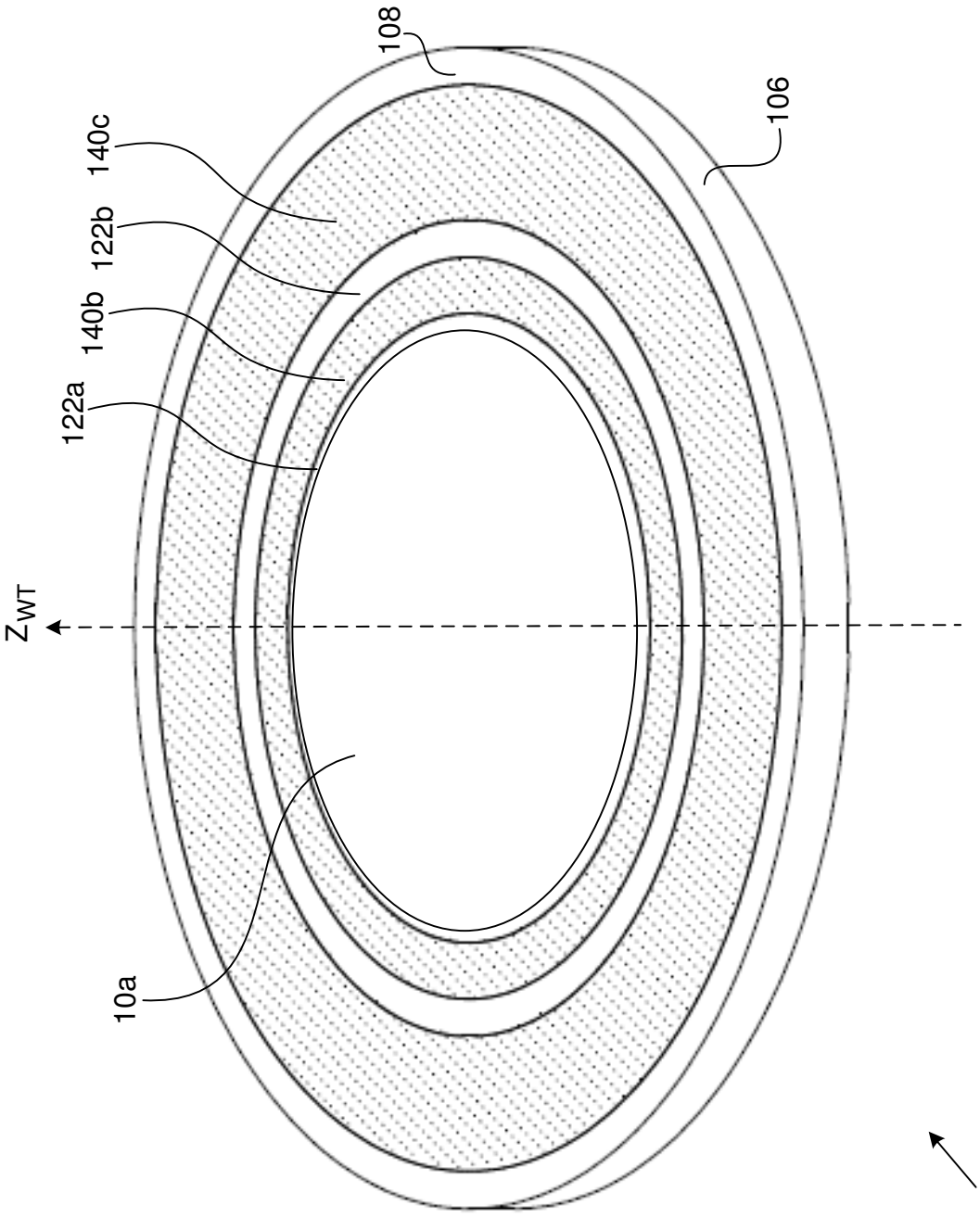


FIG. 3E

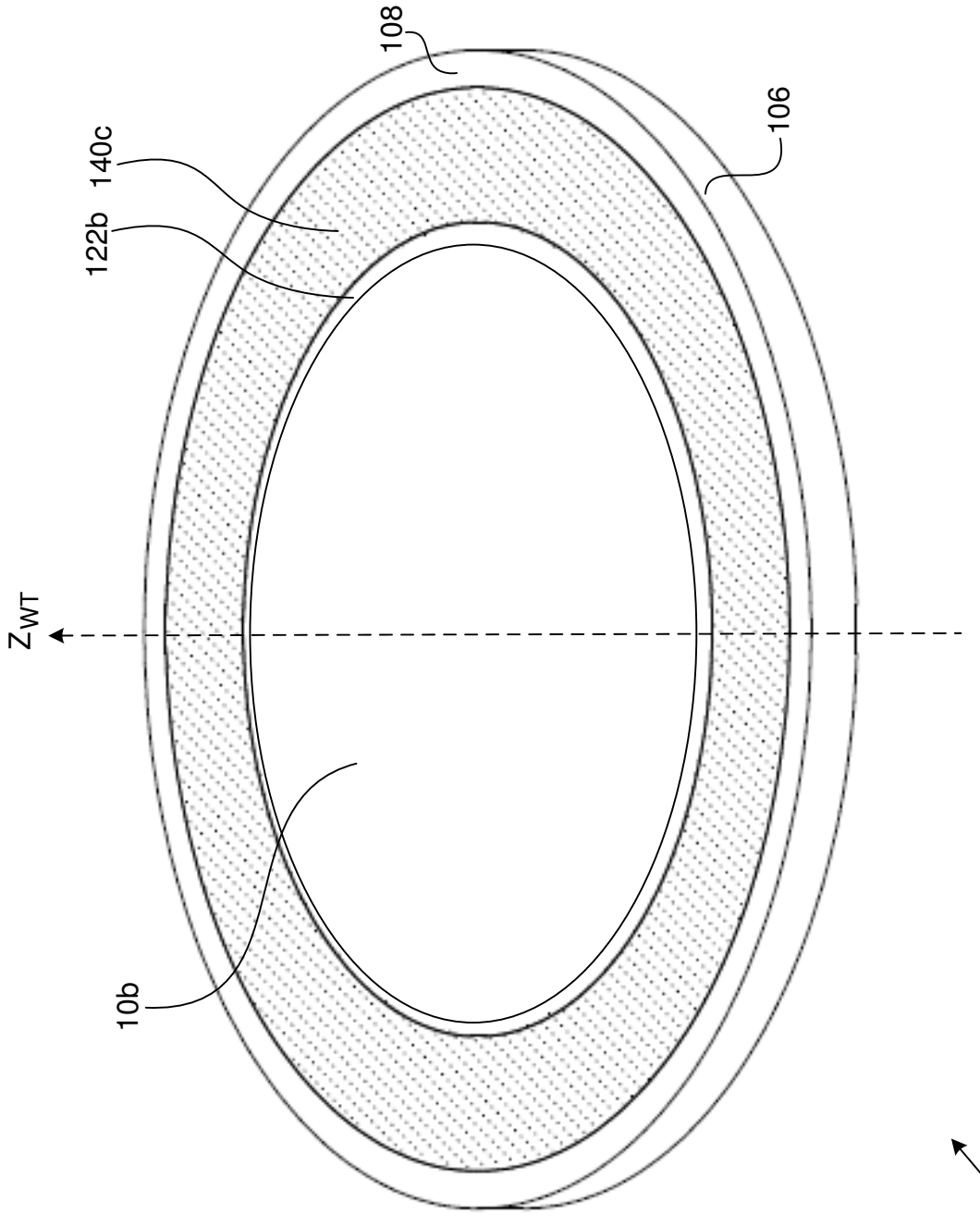


FIG. 3F

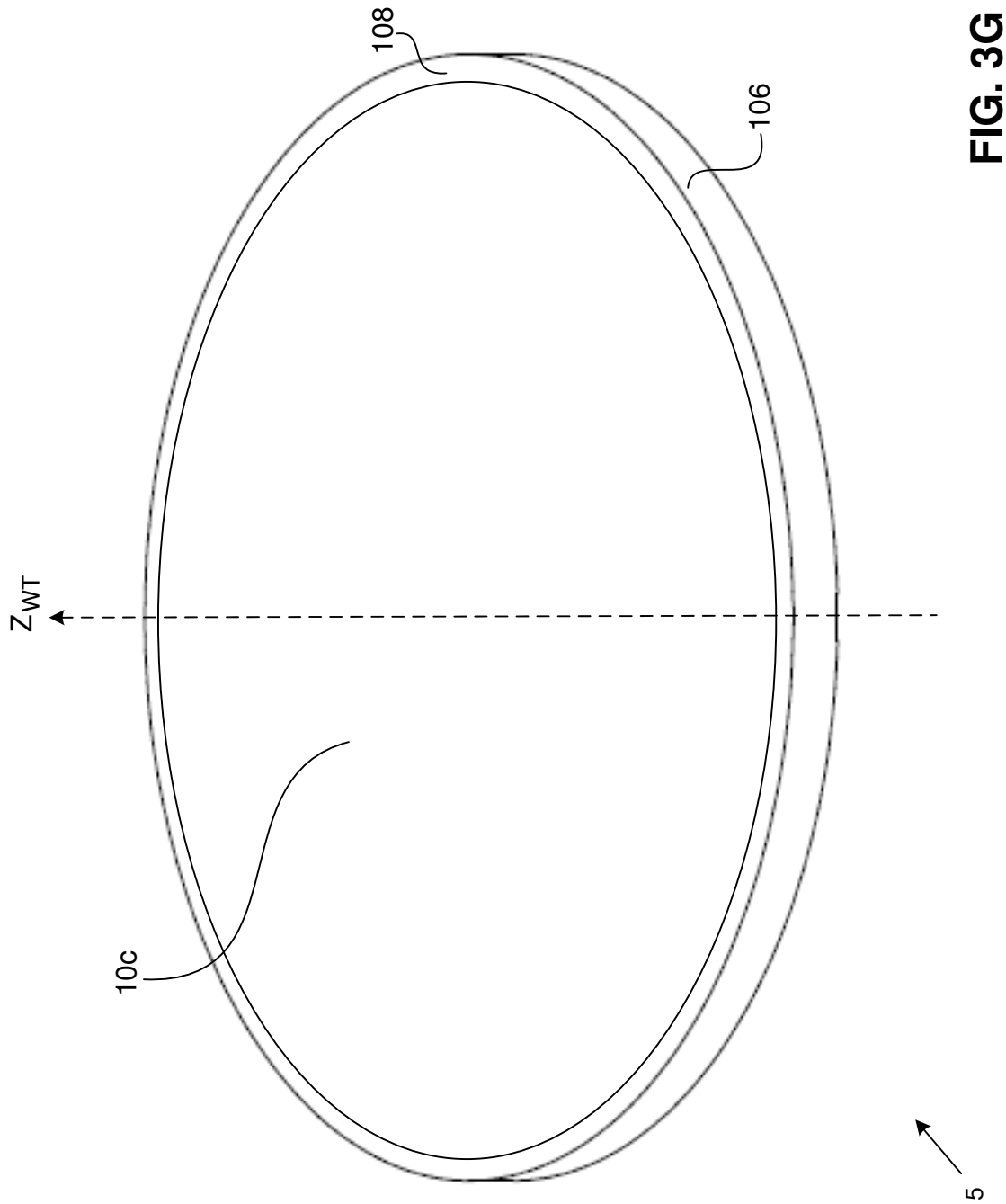


FIG. 3G

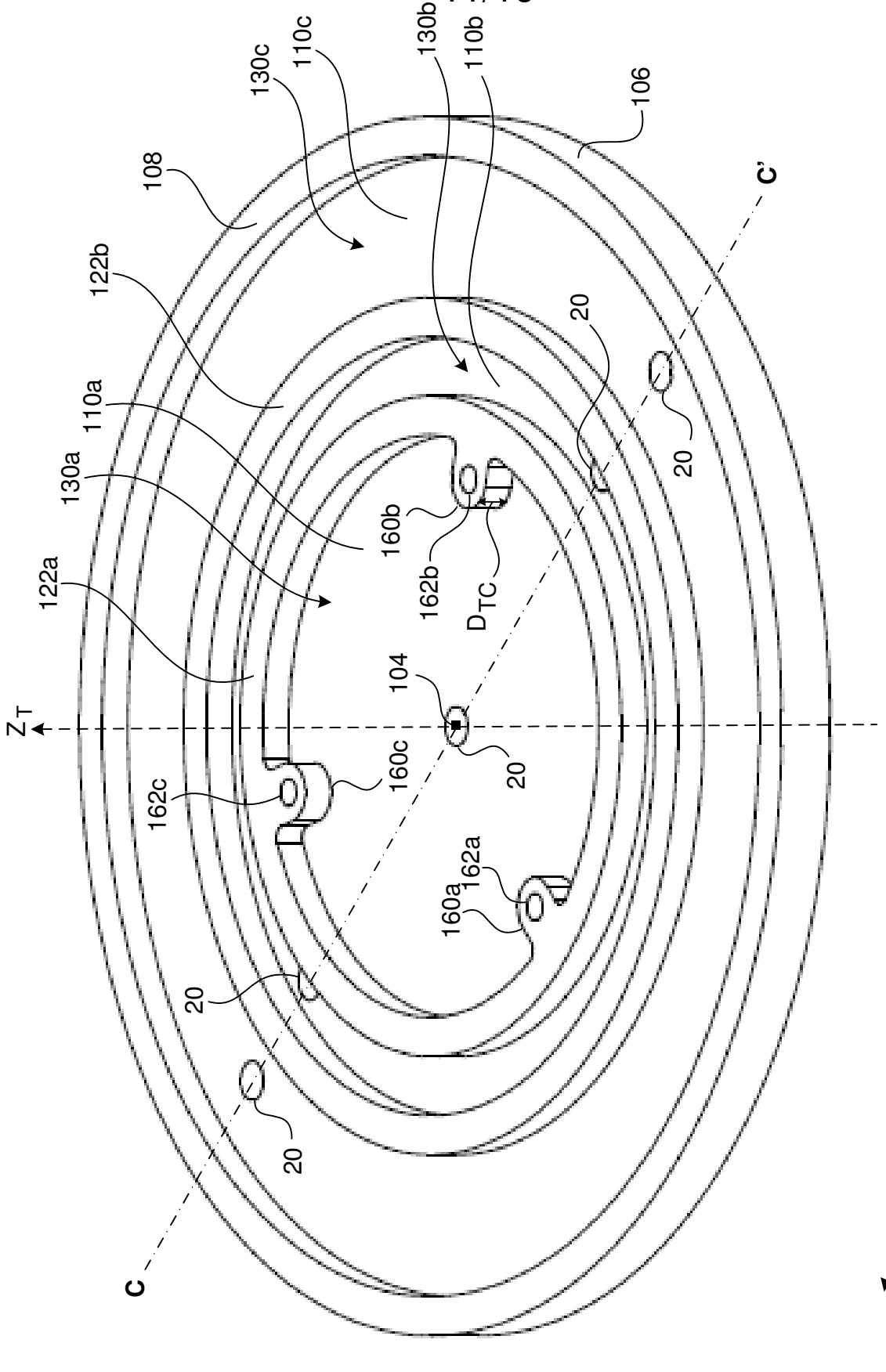

130c
110c
130b
110b
106
108
122b
110a
130a
122a
160b
162b
D_{TC}
104
Z_T
160c
162c
160a
162a
20
C
C'
100

FIG. 4A

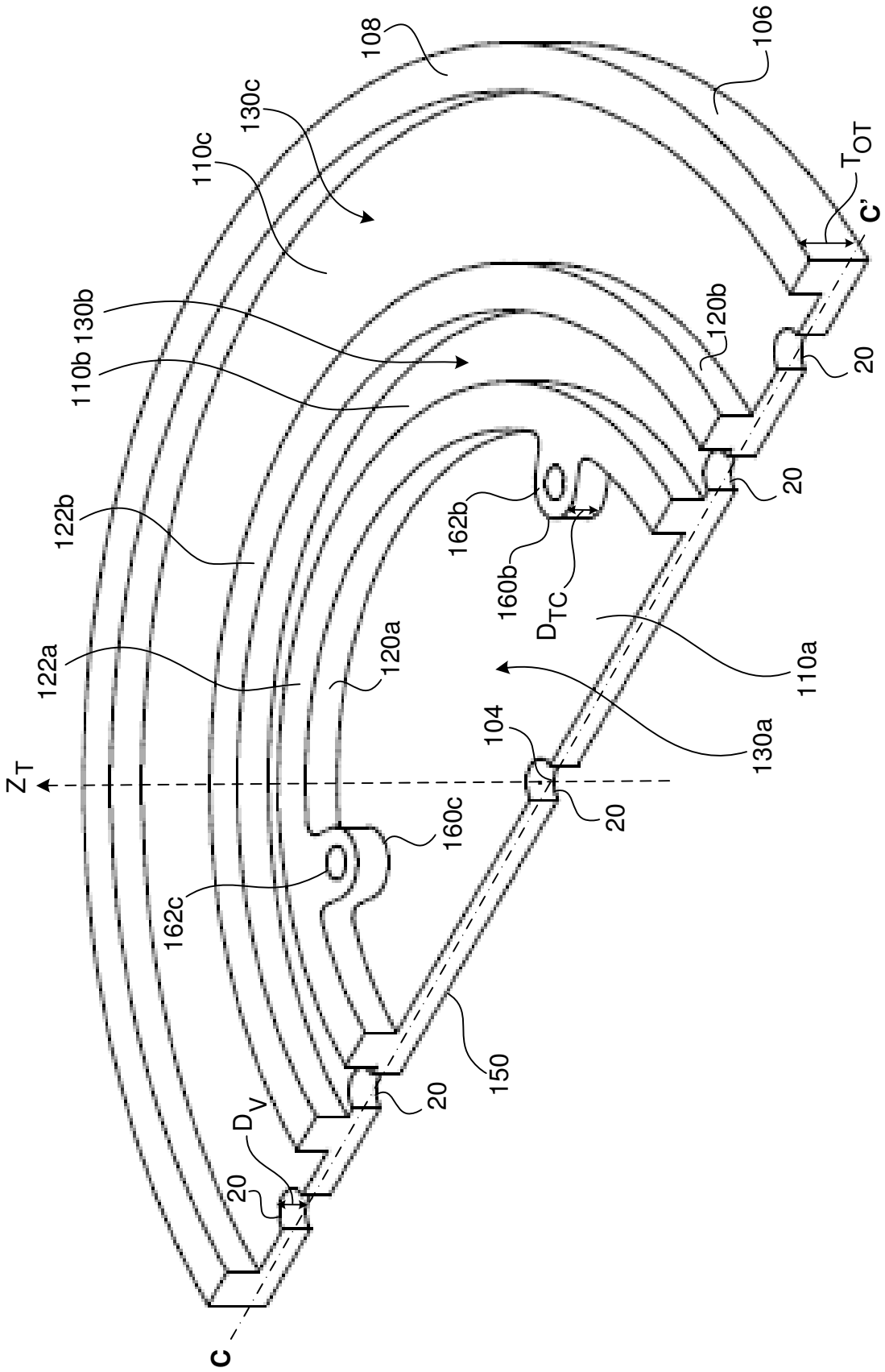

108
106
130c
110c
T_{OT}
c'
110b 130b
120b
20
122b
162b
160b
D_{TC}
20
122a
120a
110a
104
130a
Z_T
160c
20
162c
150
20
D_V
20
c
100

FIG. 4B

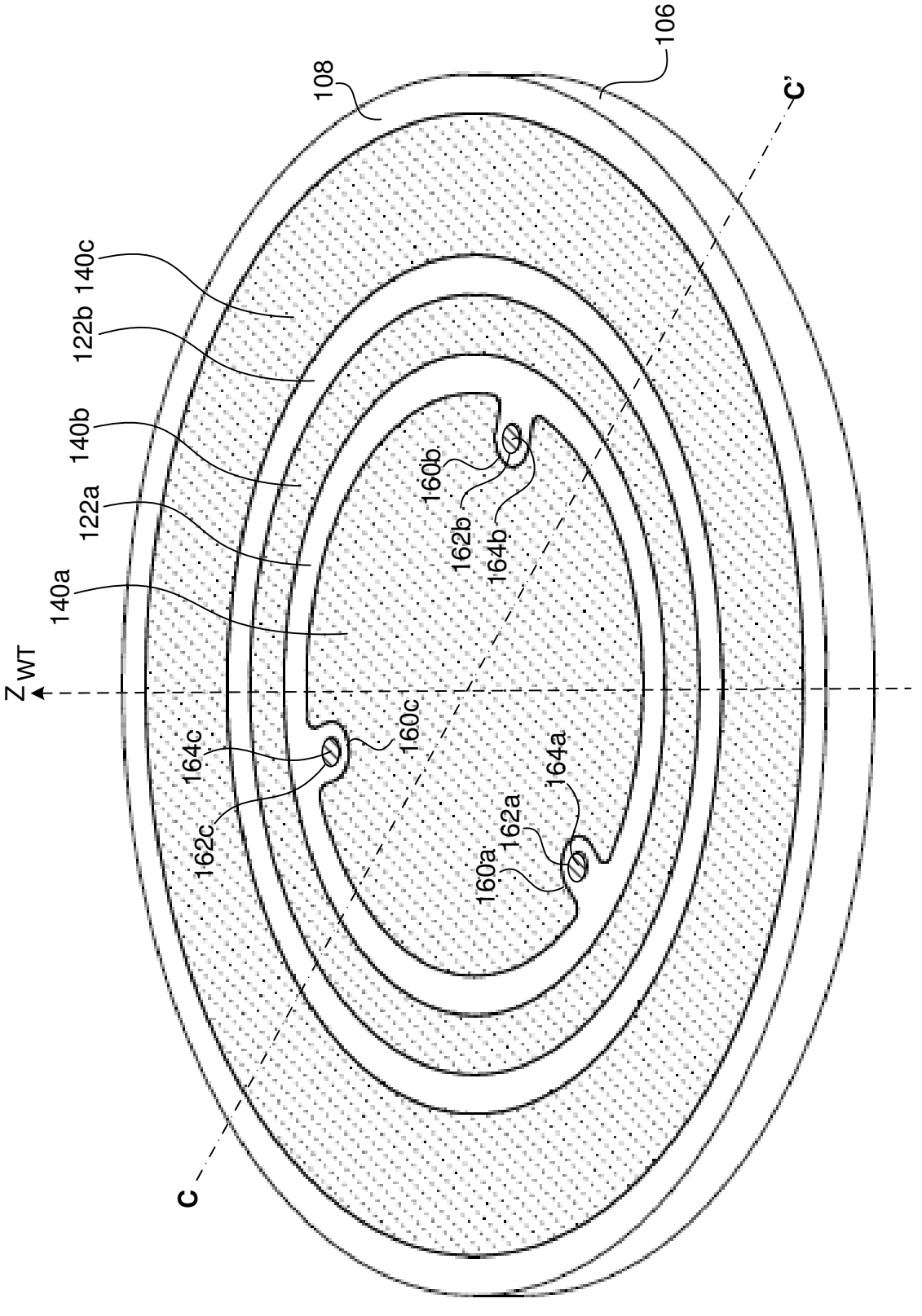

106
108
C'
140c
122b
140b
122a
140a
160b
162b
164b
Z_{WT}
160c
164c
162c
164a
162a
160a
C
5

FIG. 5A

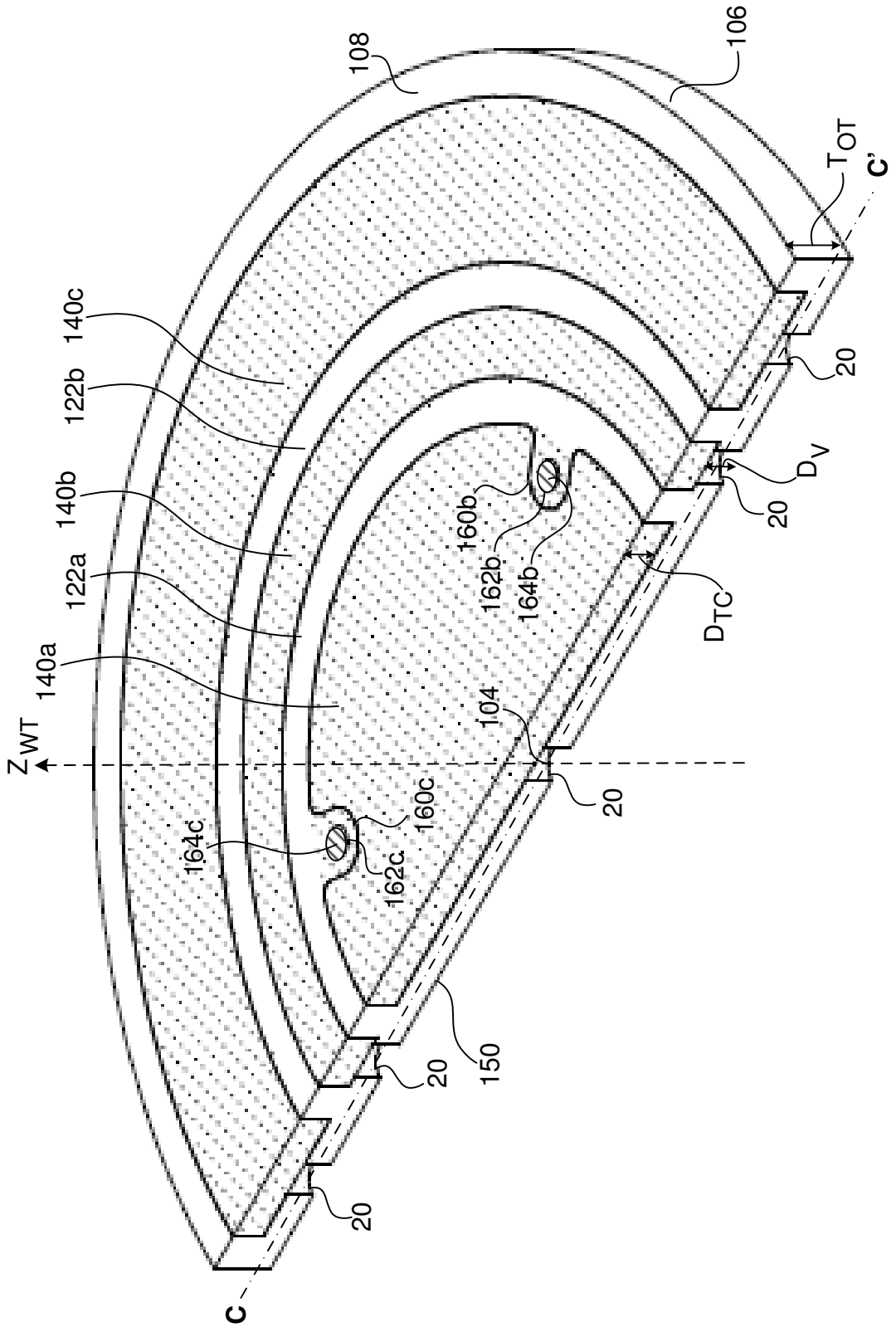

108
106
T_{OT}
C'
140c
122b
140b
122a
140a
Z_{WT}
160b
162b
164b
D_V
D_{TC}
104
164c
162c
160c
20
150
C
5

FIG. 5B

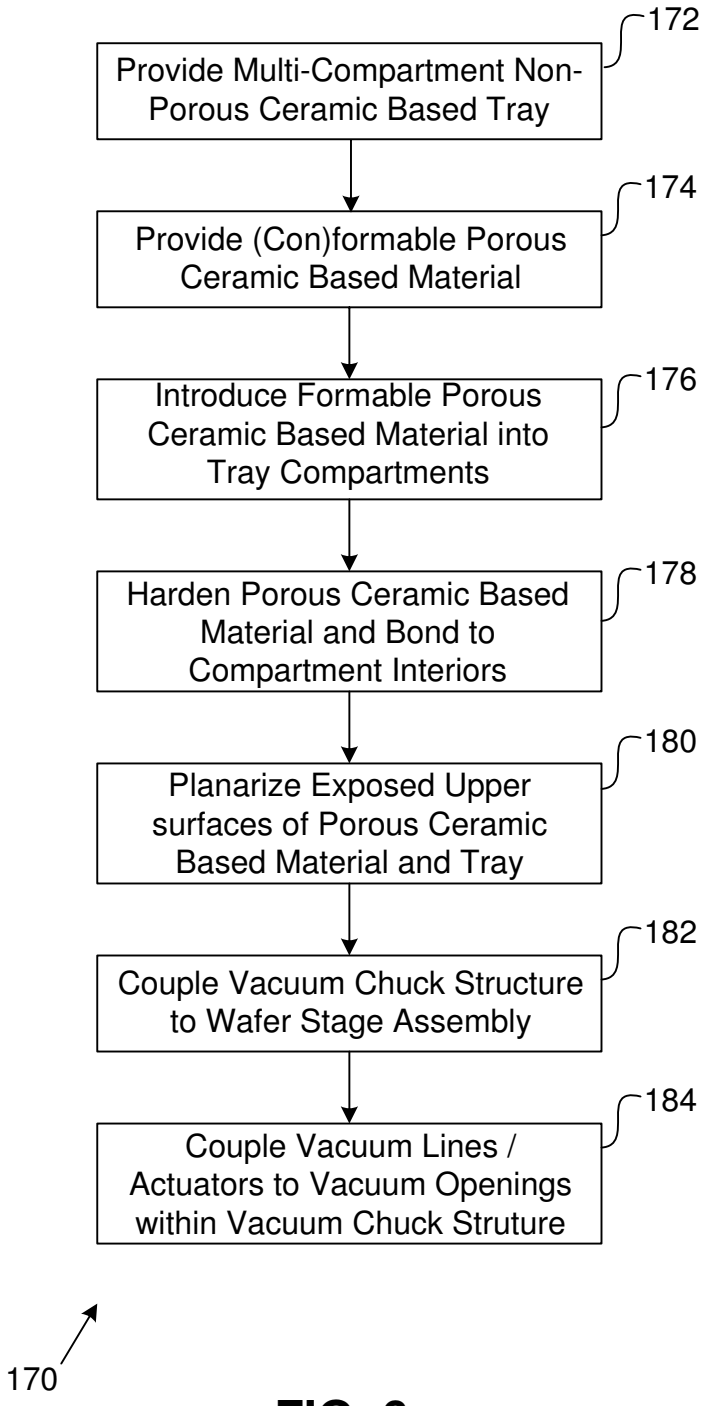

172
Provide Multi-Compartment Non-Porous Ceramic Based Tray
174
Provide (Con)formable Porous Ceramic Based Material
176
Introduce Formable Porous Ceramic Based Material into Tray Compartments
178
Harden Porous Ceramic Based Material and Bond to Compartment Interiors
180
Planarize Exposed Upper surfaces of Porous Ceramic Based Material and Tray
182
Couple Vacuum Chuck Structure to Wafer Stage Assembly
184
Couple Vacuum Lines / Actuators to Vacuum Openings within Vacuum Chuck Struture
170

FIG. 6

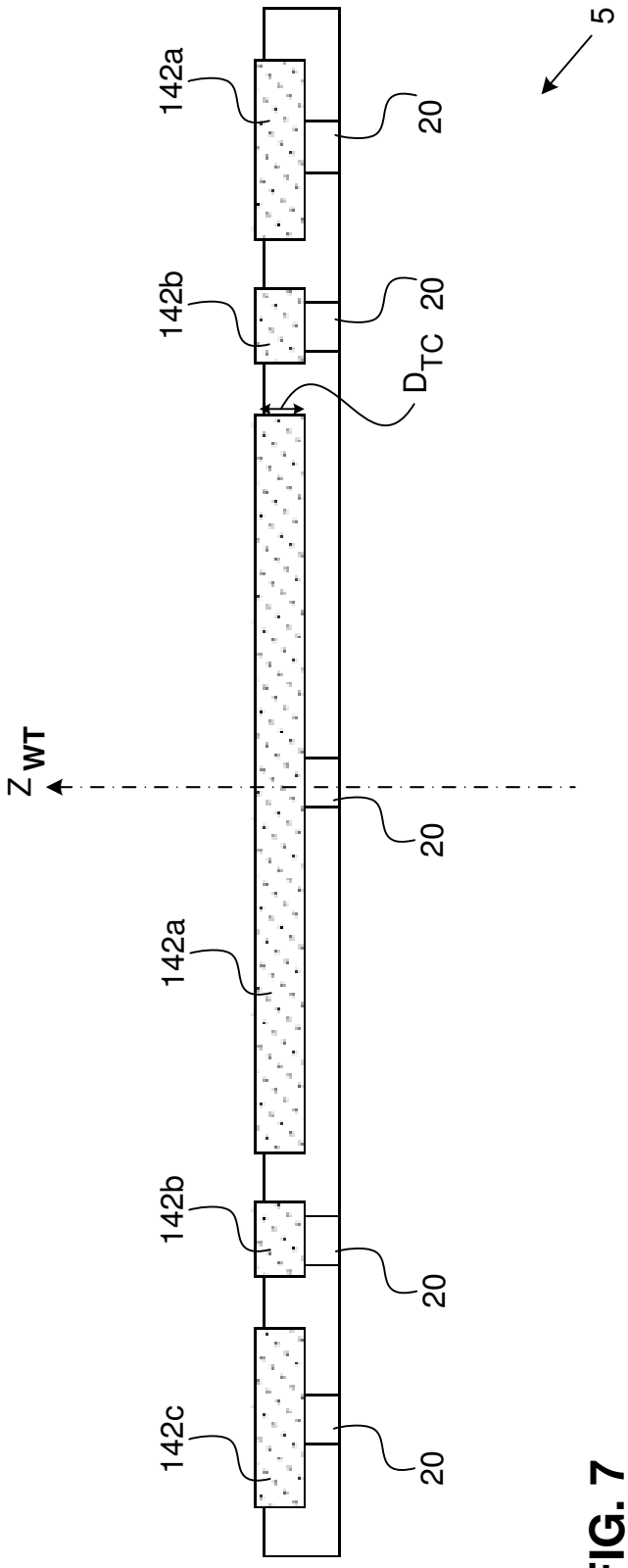


FIG. 7