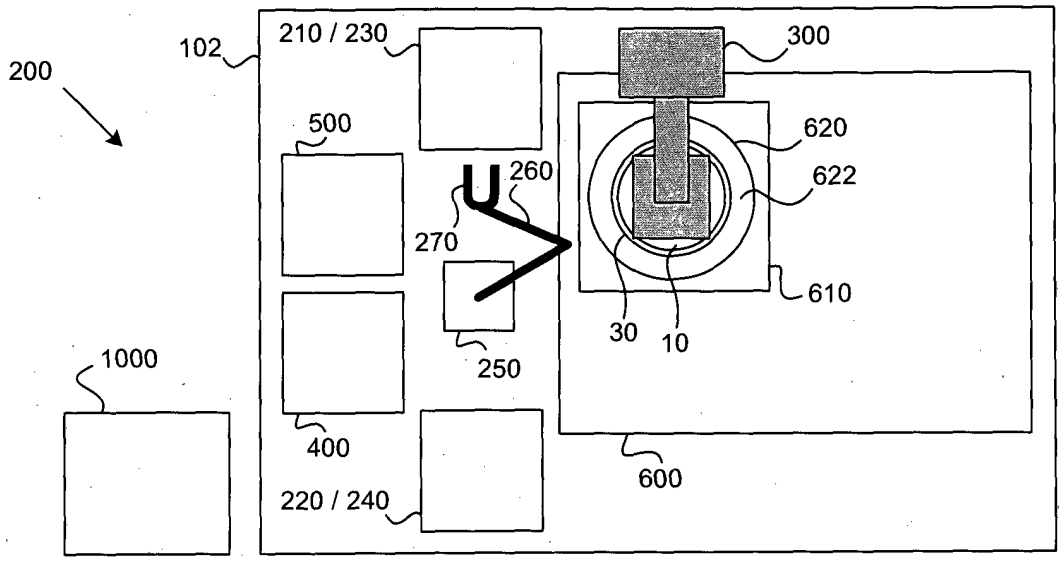

200
102
210 / 230
300
500
620
260
622
270
610
30
10
1000
250
400
600
220 / 240

FIG. 1A

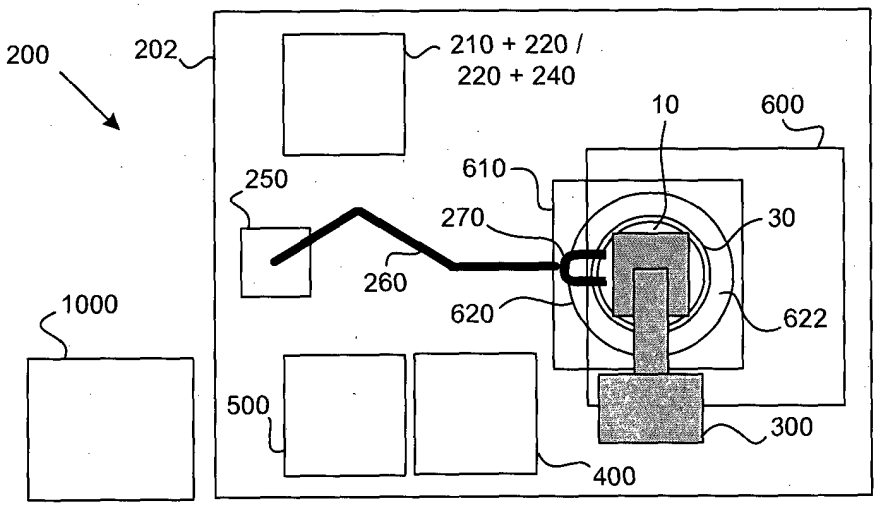

200
202
210 + 220 /
220 + 240
10
600
610
250
270
30
260
1000
620
622
500
300
400

FIG. 1B

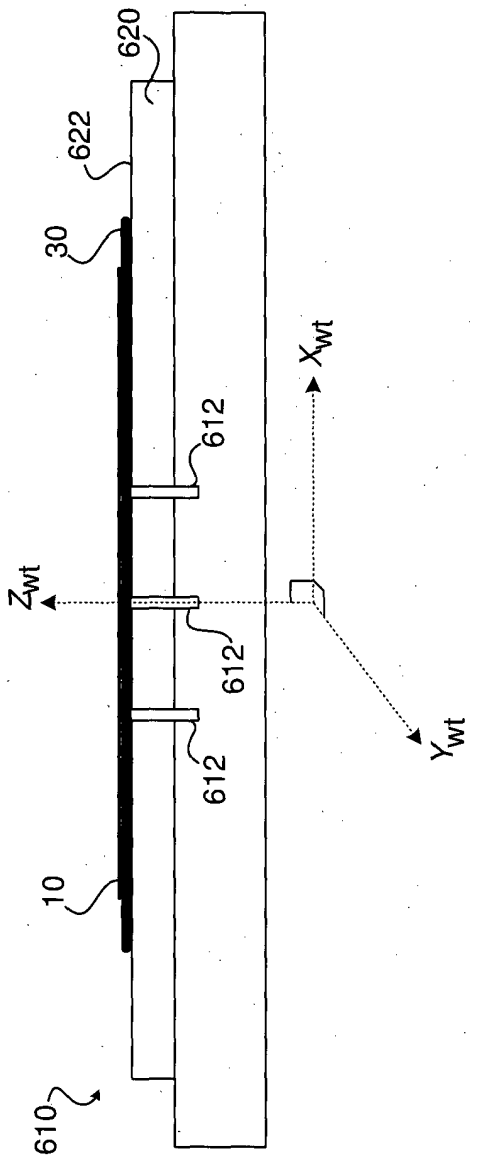


FIG. 1C

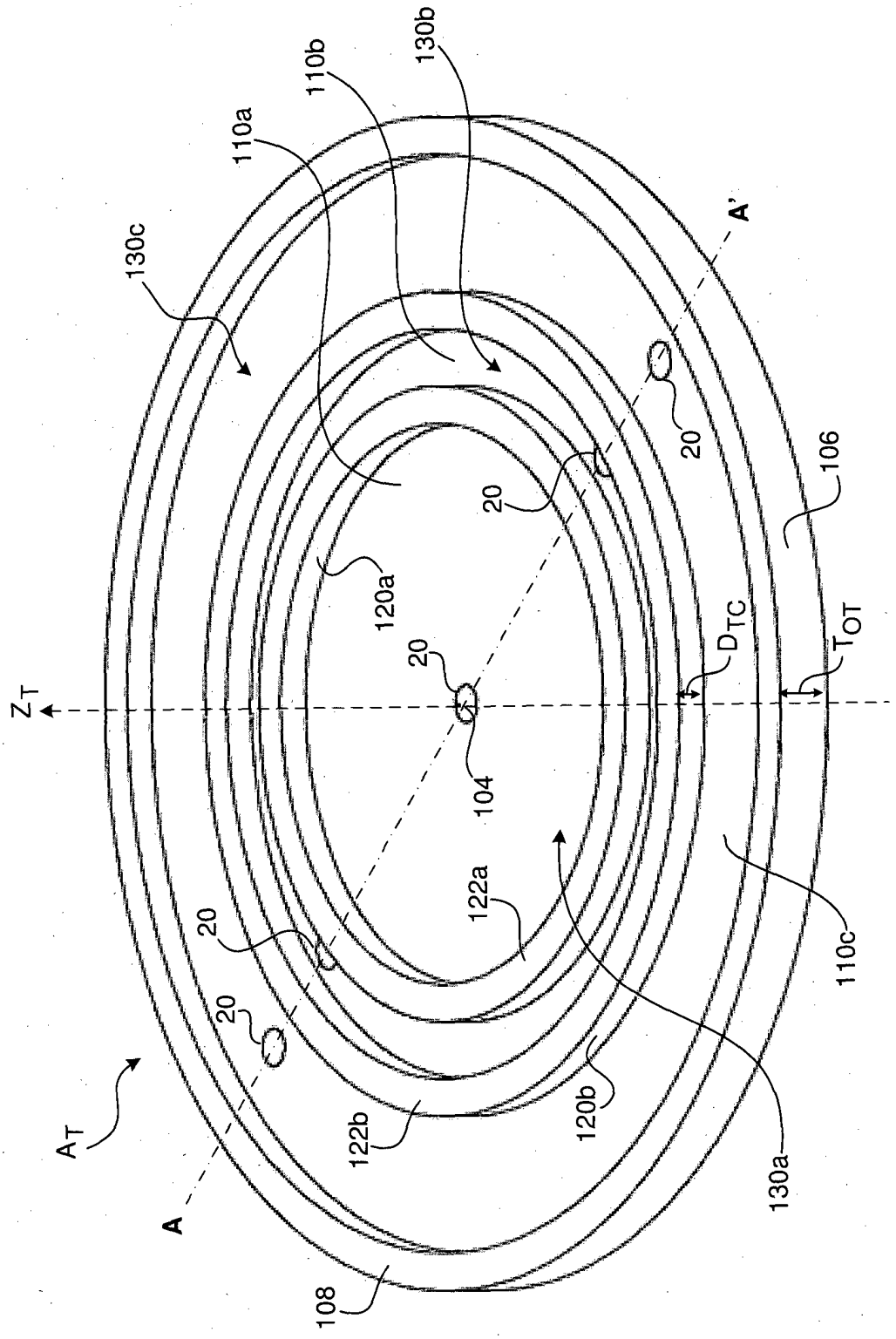
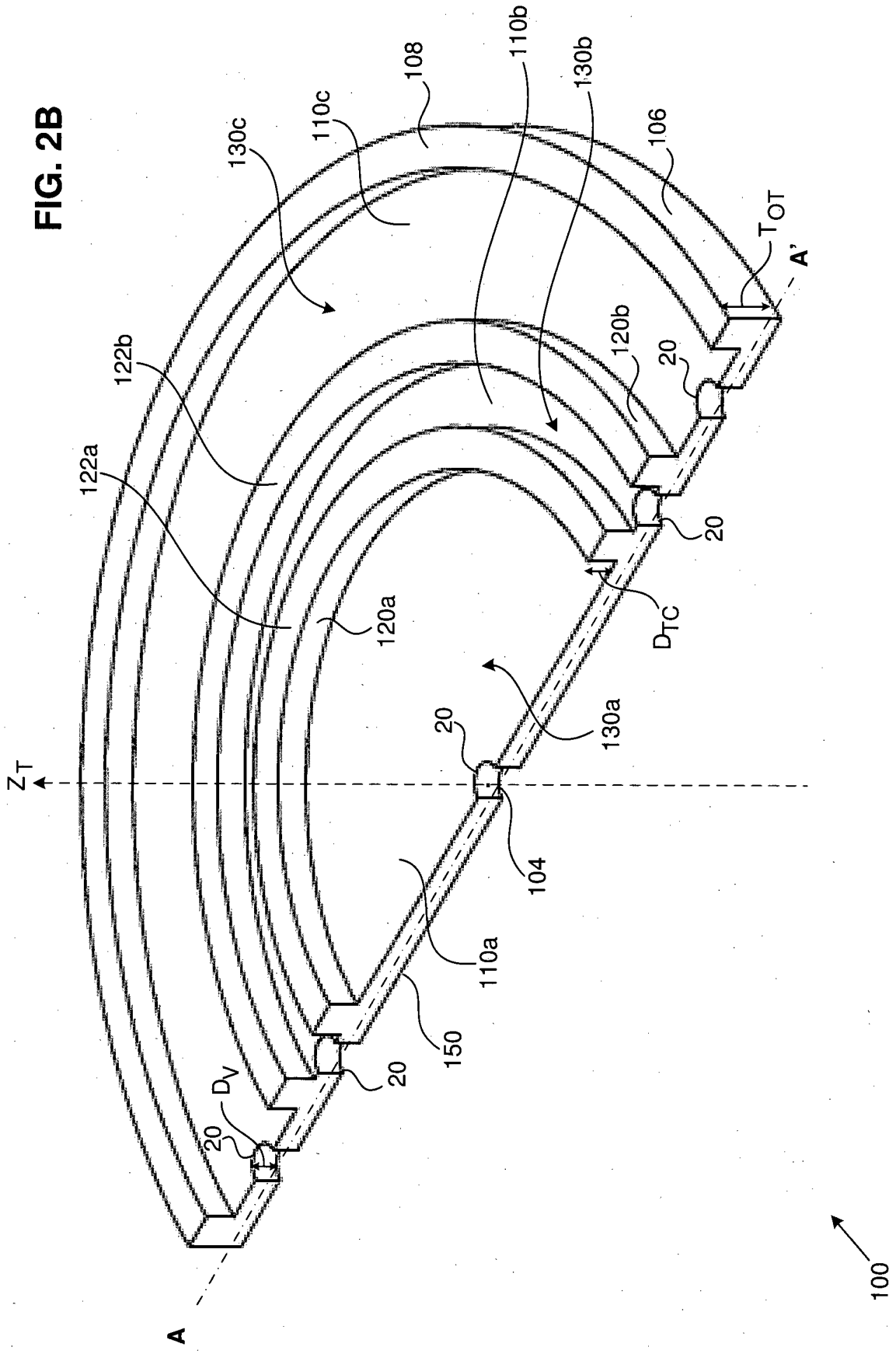

130b
110b
110a
130c
A'
20
106
120a
D_{TC}
T_{OT}
Z_T
104
122a
110c
A_T
122b
120b
130a
A
108
100

FIG. 2A

FIG. 2B


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

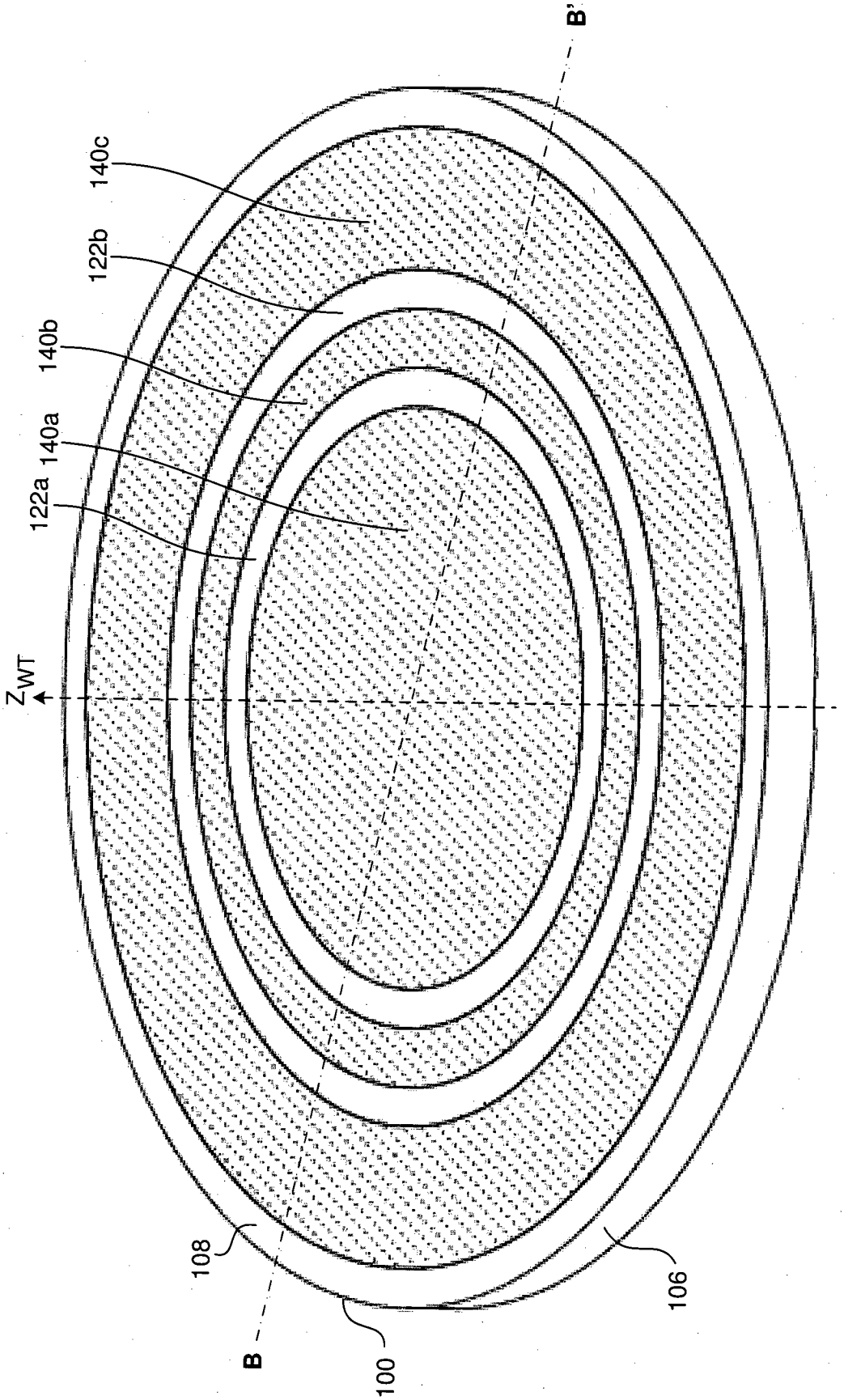


FIG. 3A

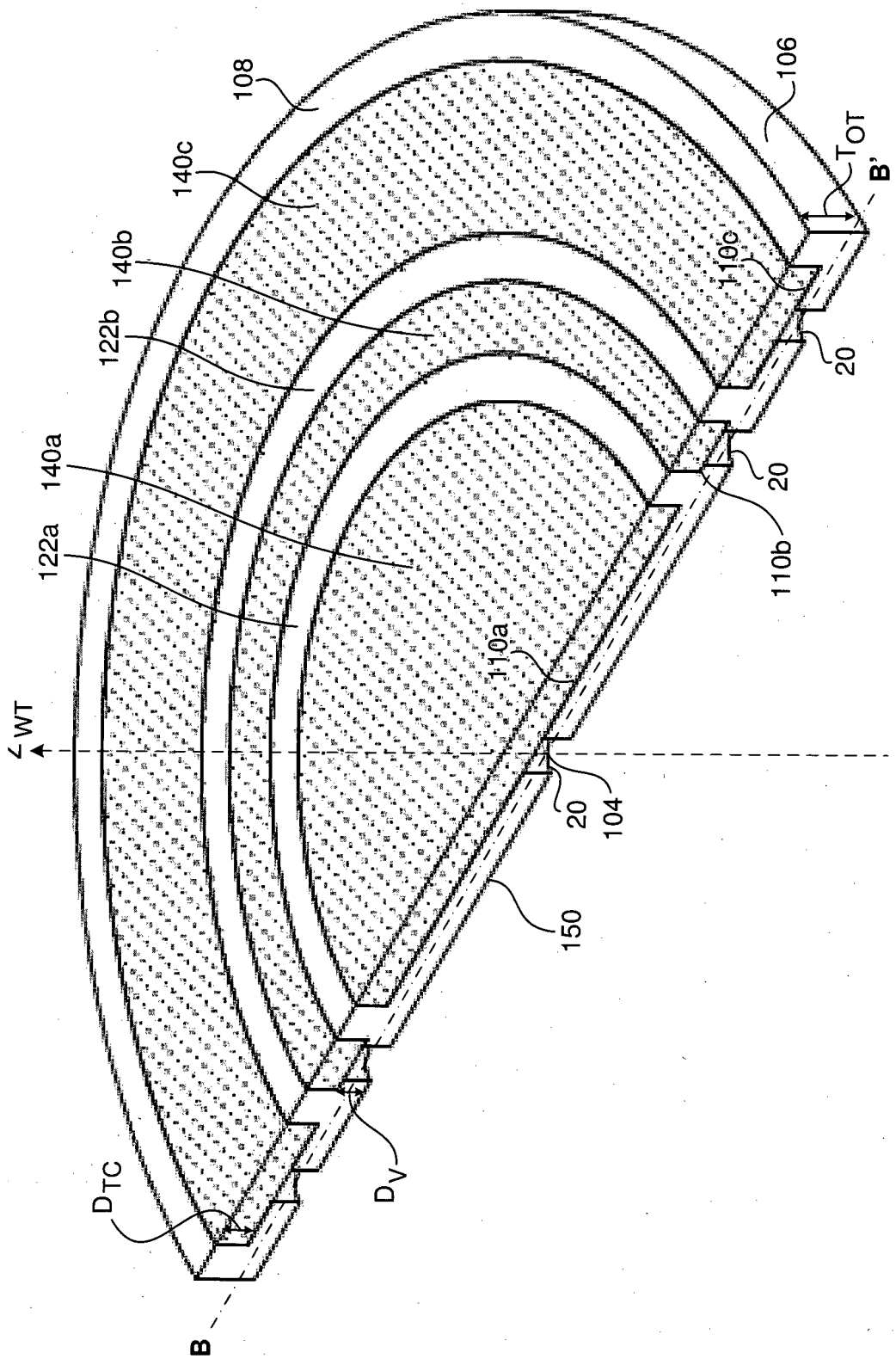

108
106
140c
T_{OT}
B'
140b
110c
122b
20
140a
20
122a
110b
110a
WT
20
104
150
D_{TC}
D_V
B
5

FIG. 3B

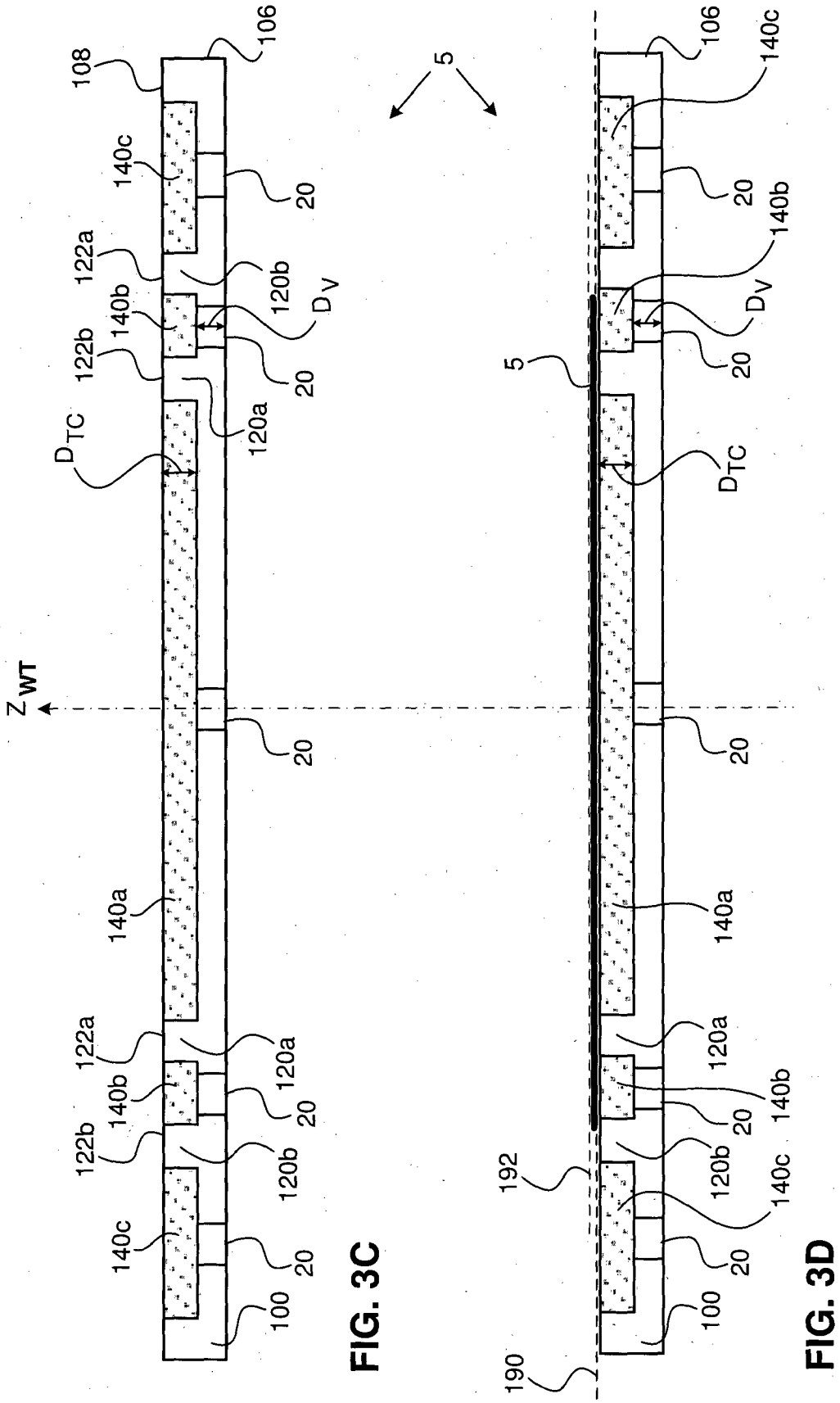

108
106
140c
20
122a
120b
140b
D_V
122b
20
120a
D_{TC}
Z_{WT}
140a
122a
120a
140b
20
122b
120b
140c
20
100
5
106
140c
20
140b
D_V
20
5
D_{TC}
20
140a
120a
140b
20
192
120b
140c
20
100
190

FIG. 3C

FIG. 3D

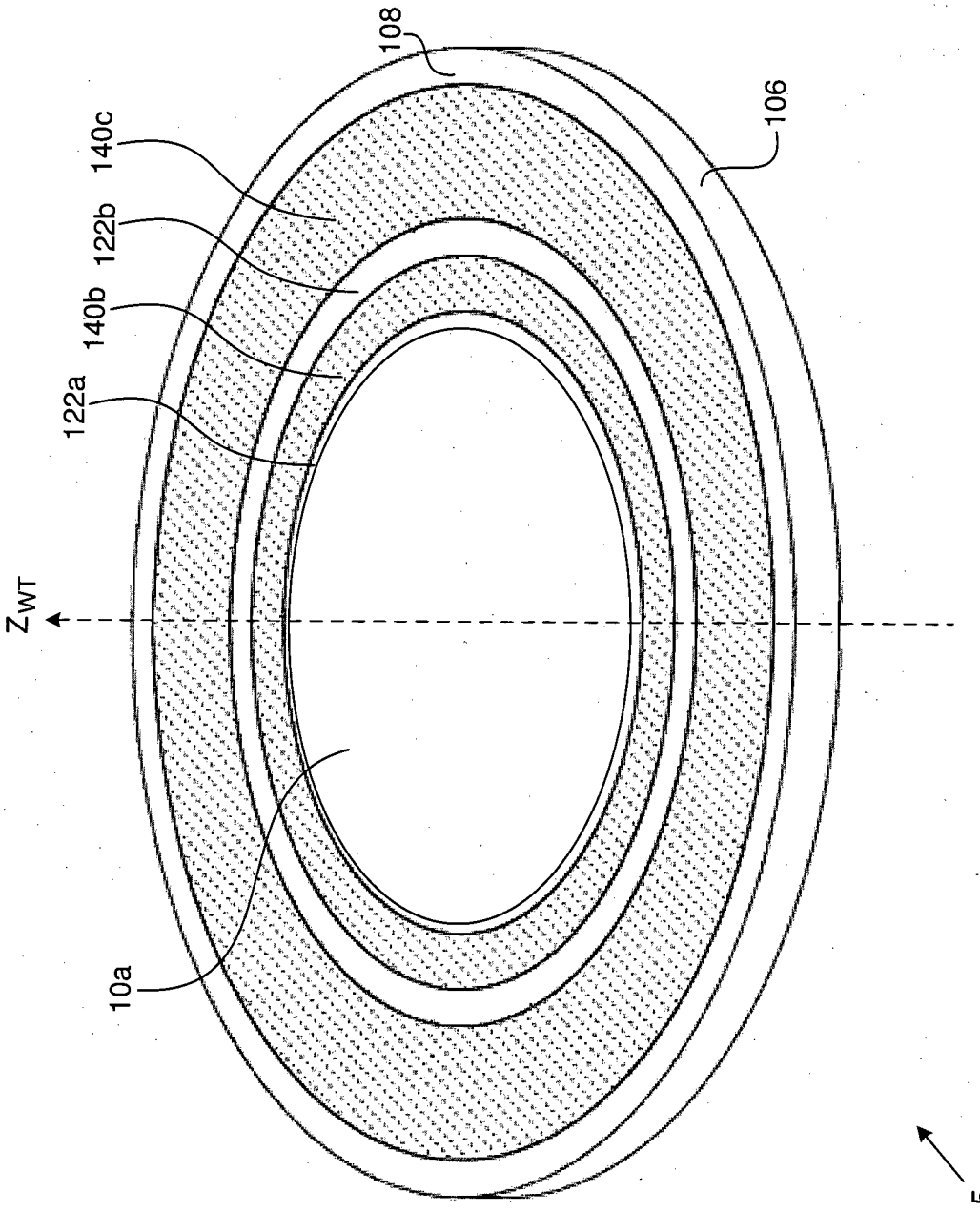


FIG. 3E

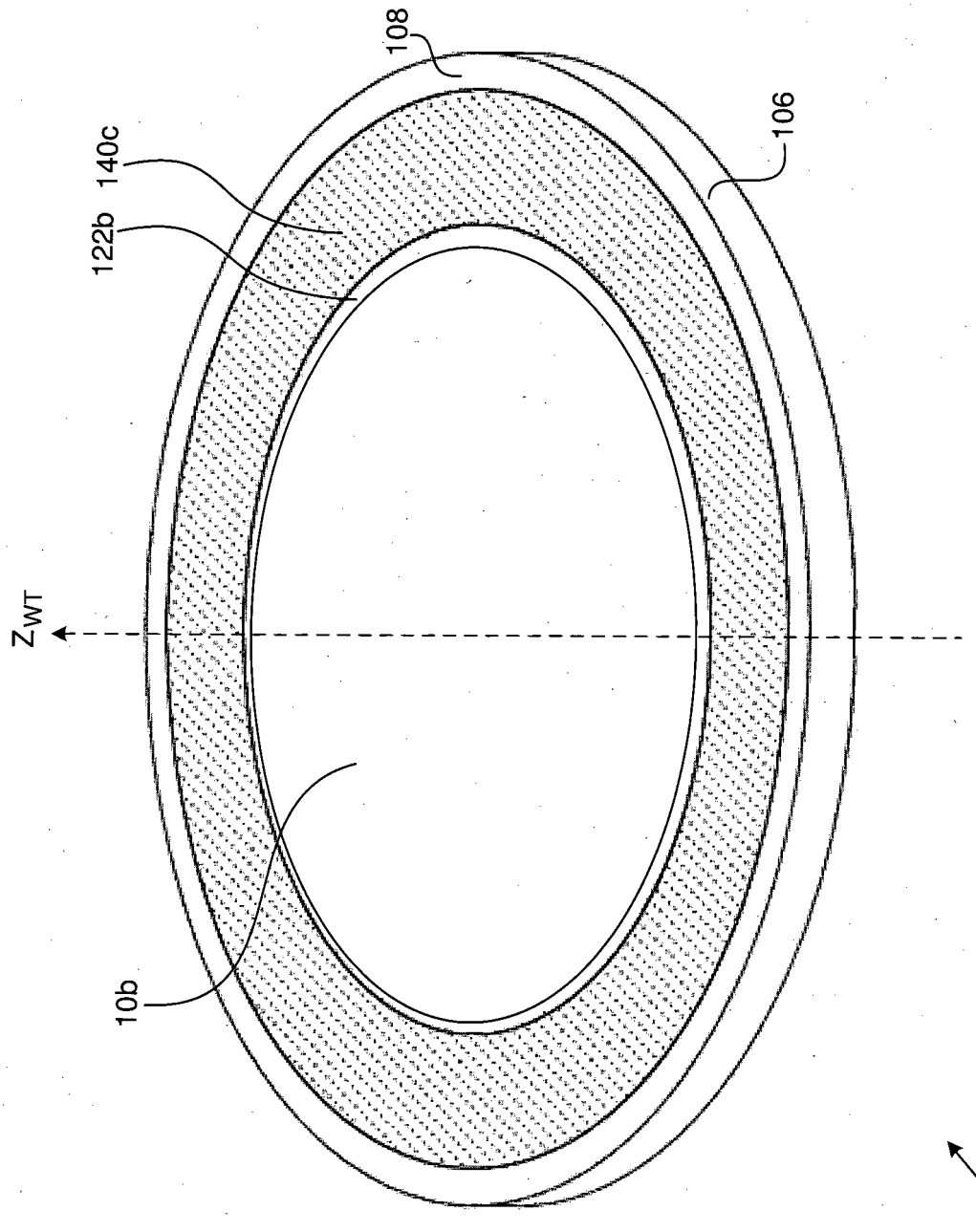


FIG. 3F

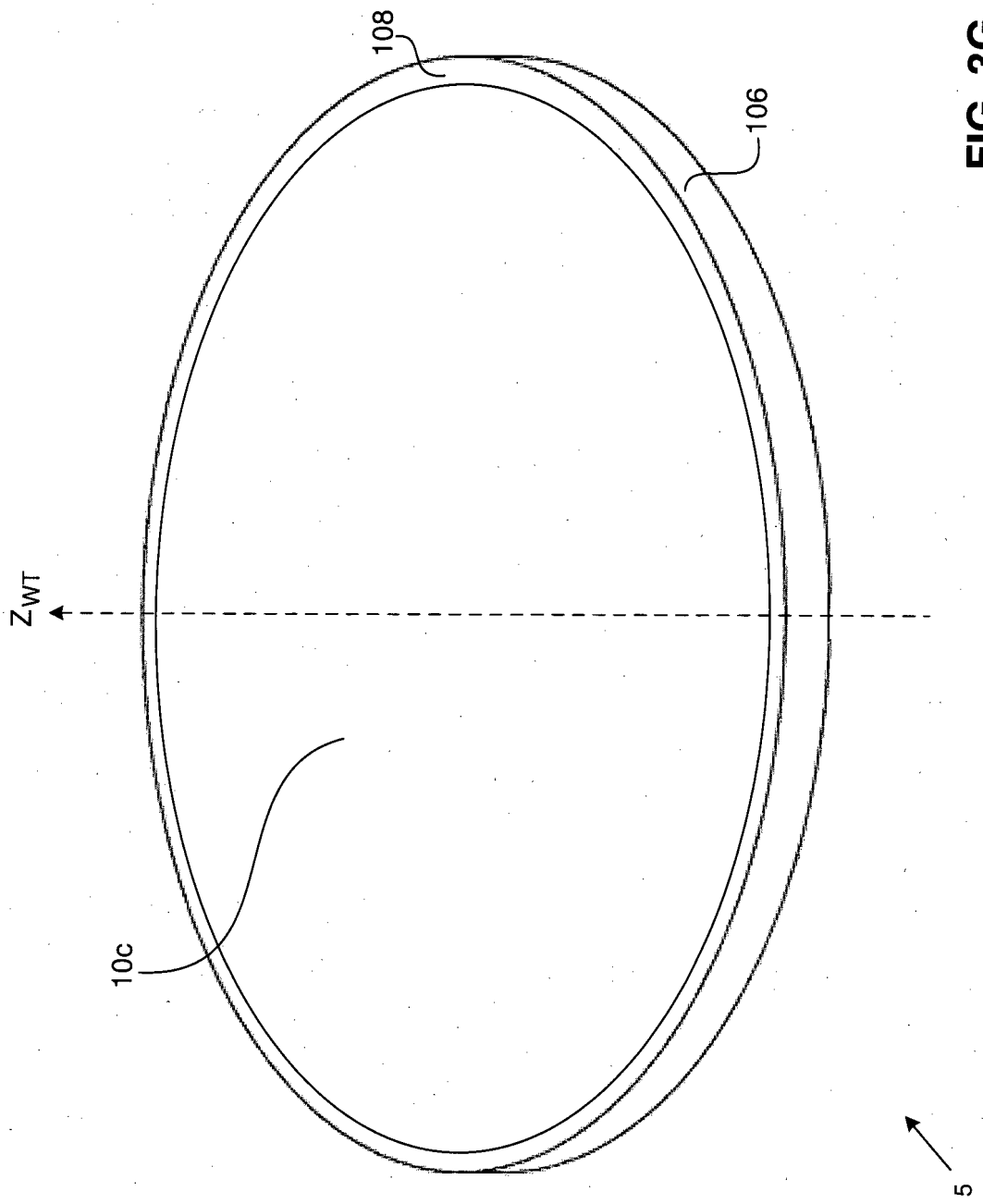


FIG. 3G

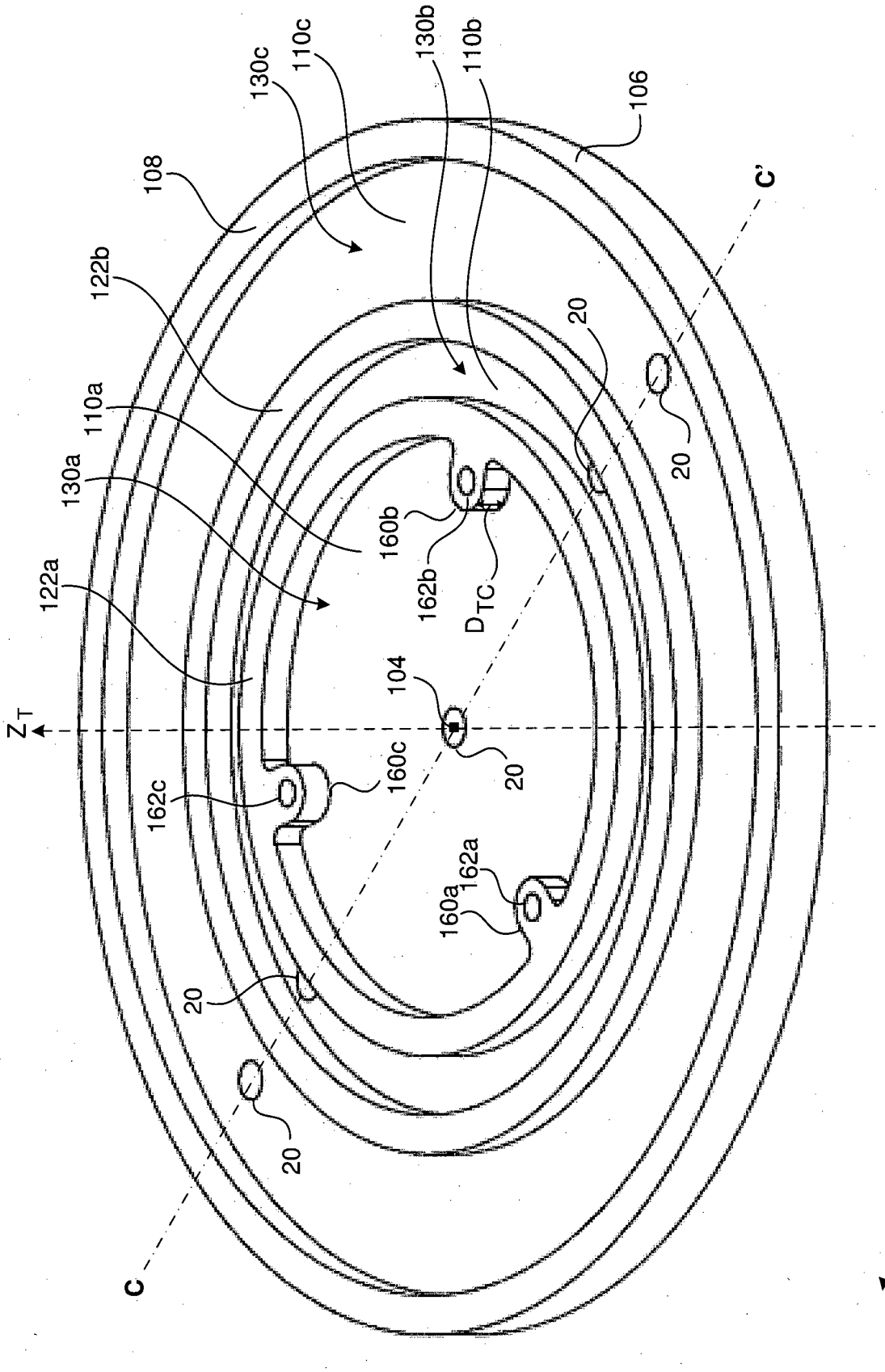

130c
110c
130b
110b
106
108
C'
122b
20
110a
130a
160b
162b
D_{TC}
122a
Z_T
104
160c
20
162c
162a
160a
20
20
C
100

FIG. 4A

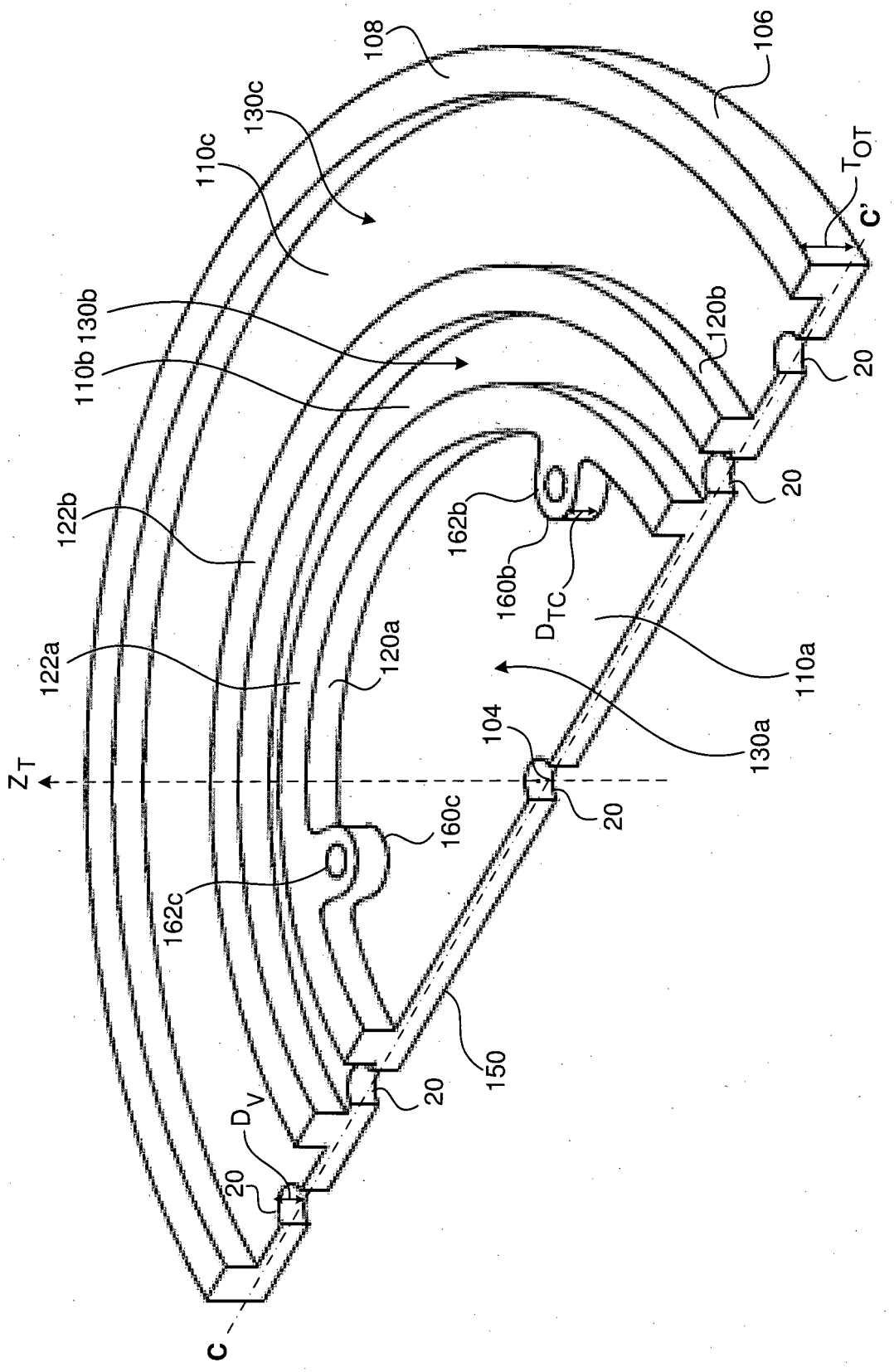

108
106
130c
110c
T_{OT}
C'
110b 130b
120b
20
122b
162b
160b
D_{TC}
122a
120a
110a
130a
104
Z_T
160c
162c
150
D_V
C
100

FIG. 4B

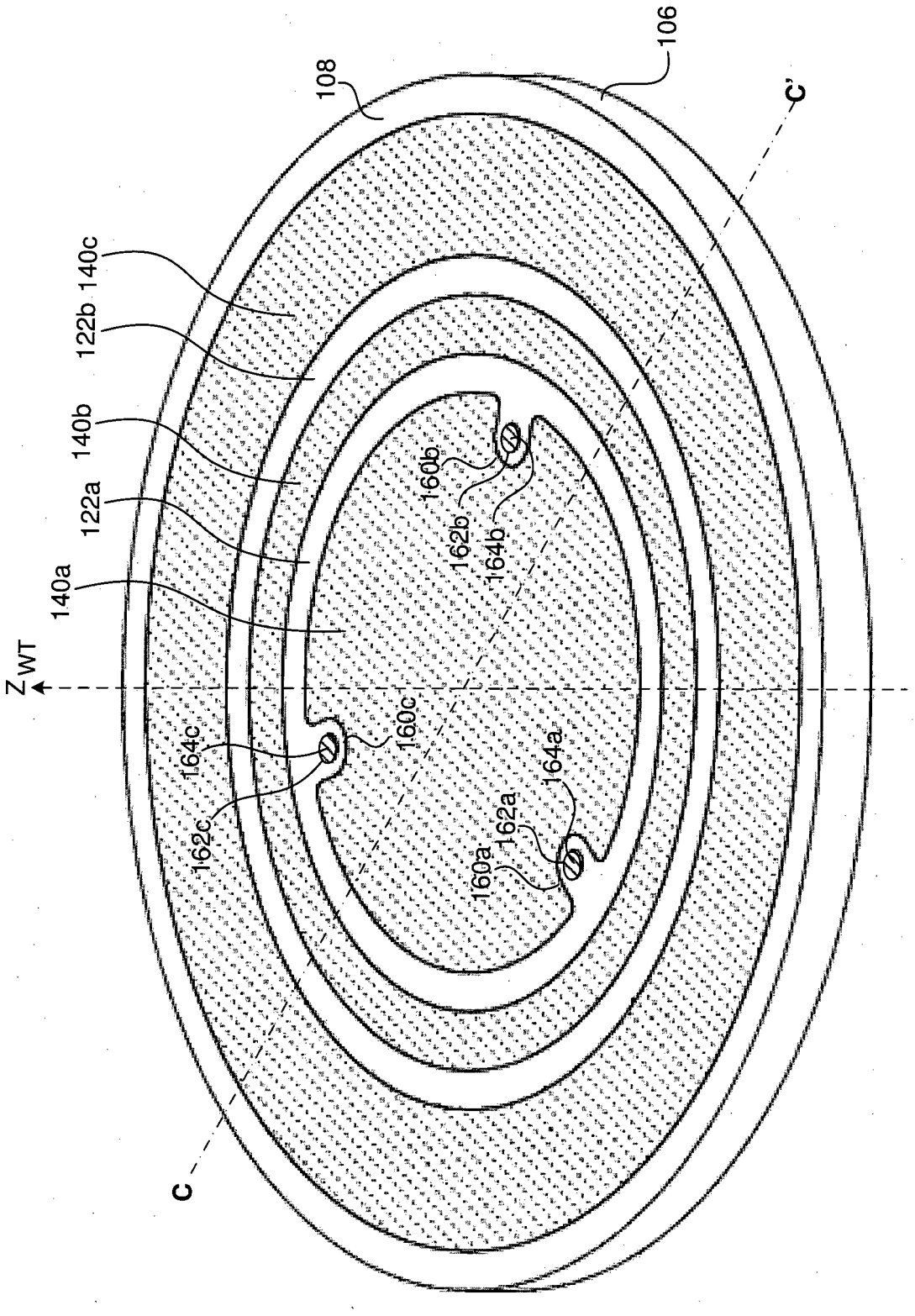

108
106
C'
140c
122b
140b
122a
140a
160b
162b
164b
Z WT
160c
164c
162c
164a
162a
160a
C
5

FIG. 5A

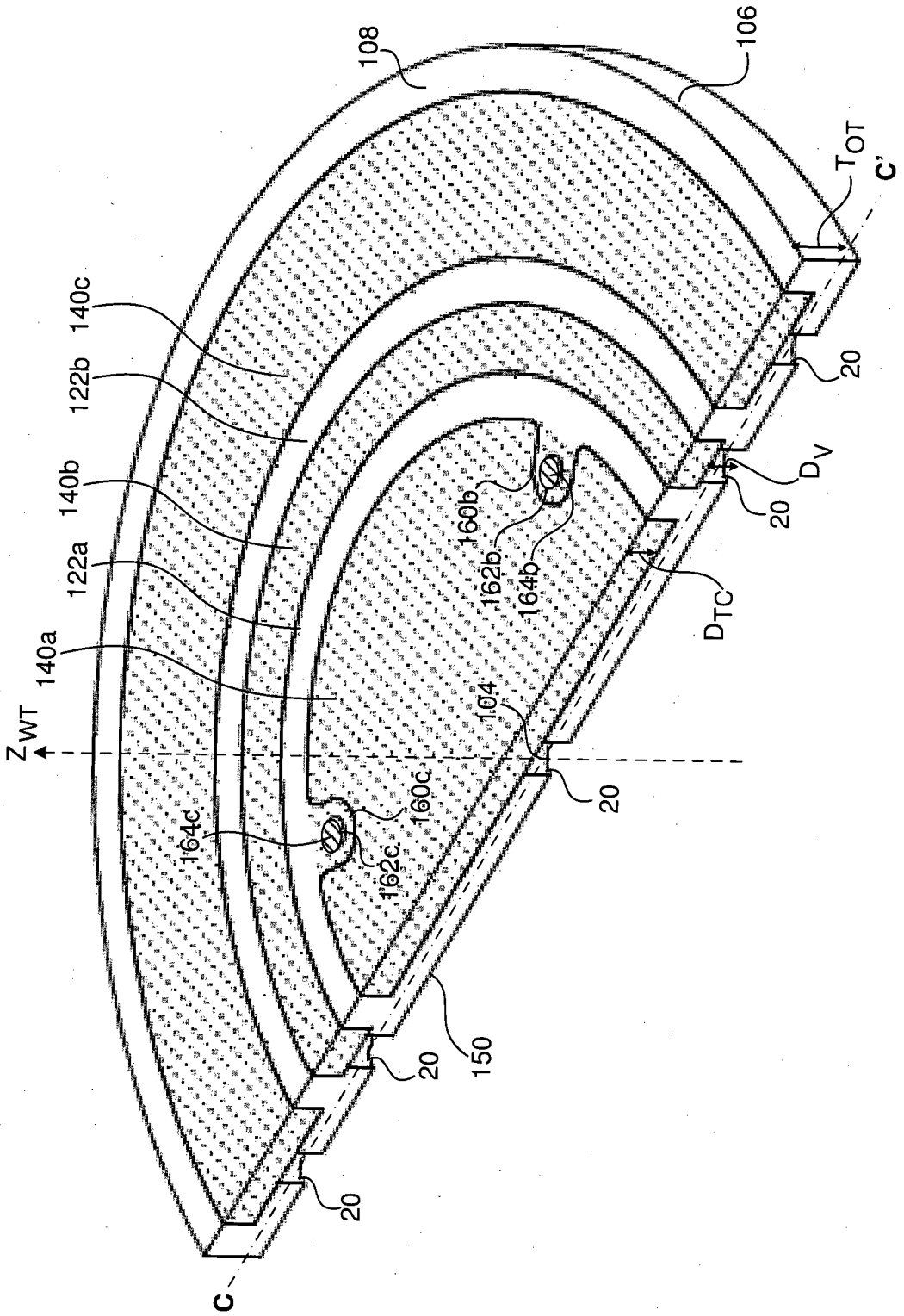

108
106
T_{OT}
C'
140c
122b
140b
122a
140a
Z_{WT}
160b
162b
164b
164c
162c
160c
104
D_V
D_{TC}
20
150
C
5

FIG. 5B

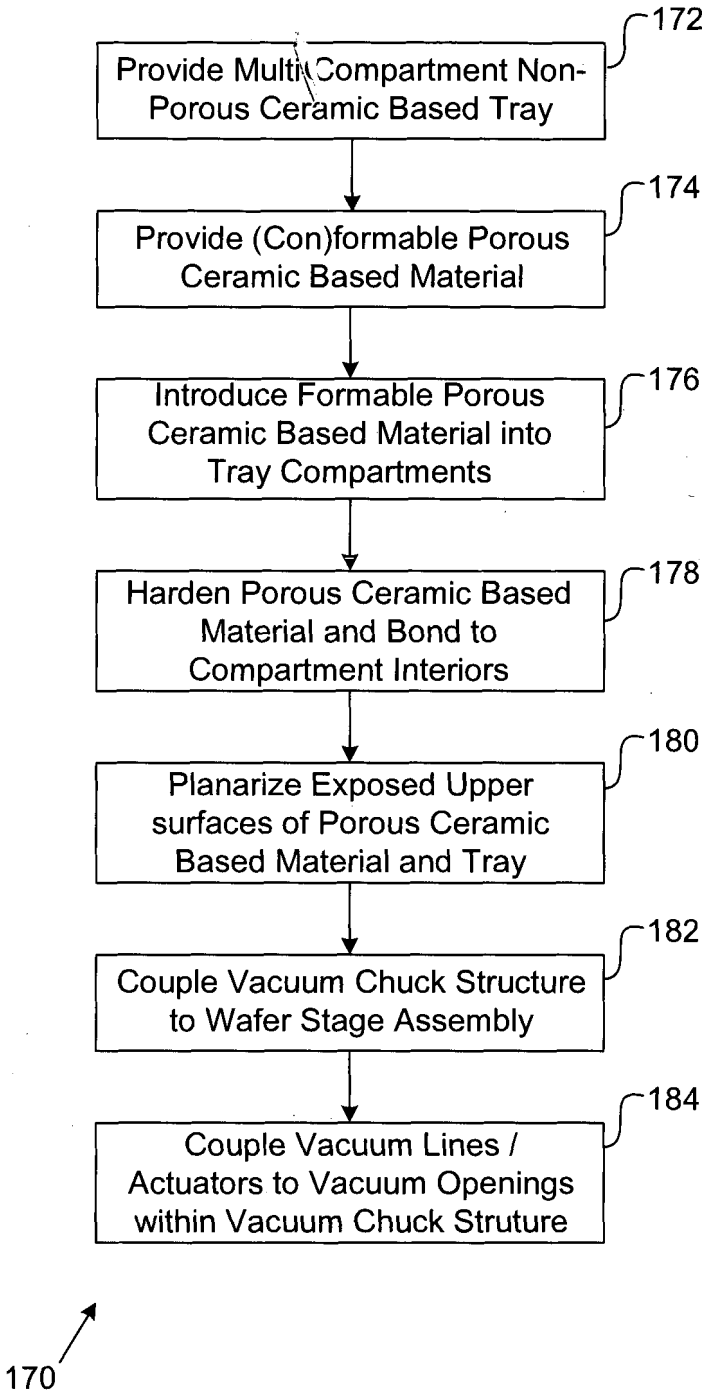

Provide Multi-Compartment Non-Porous Ceramic Based Tray
172
Provide (Con)formable Porous Ceramic Based Material
174
Introduce Formable Porous Ceramic Based Material into Tray Compartments
176
Harden Porous Ceramic Based Material and Bond to Compartment Interiors
178
Planarize Exposed Upper surfaces of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

FIG. 6

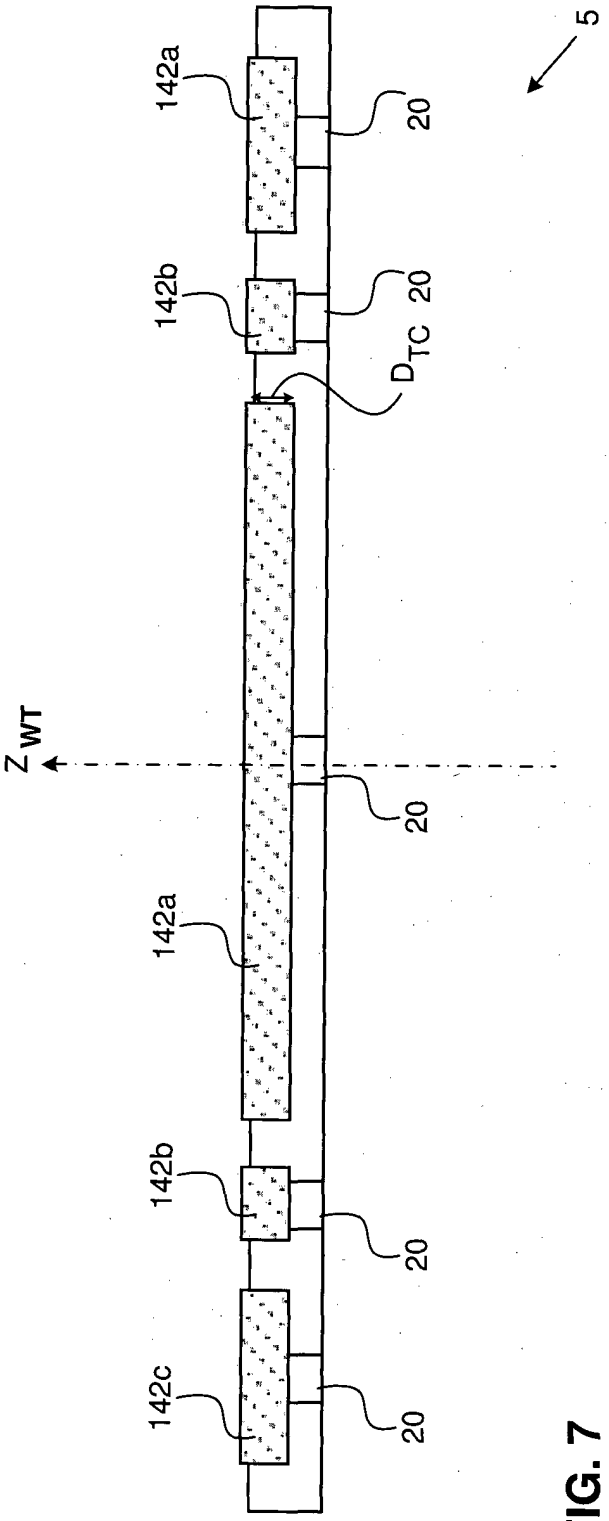


FIG. 7