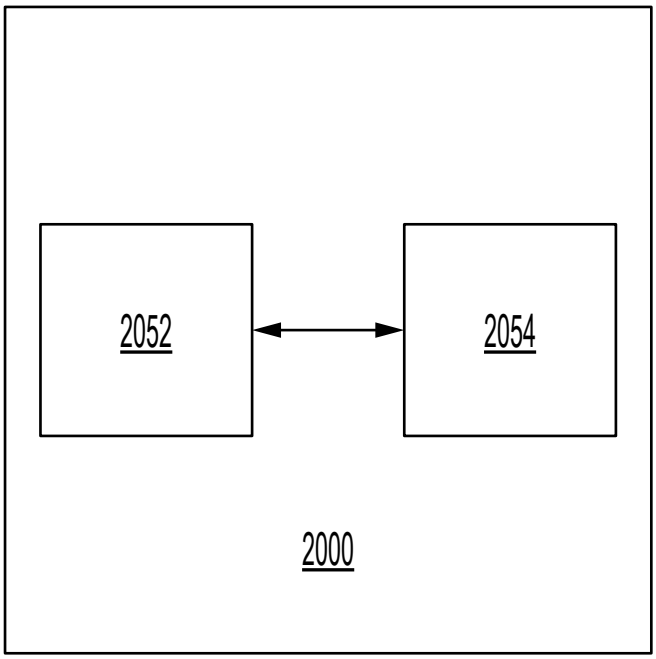


FIG. 1

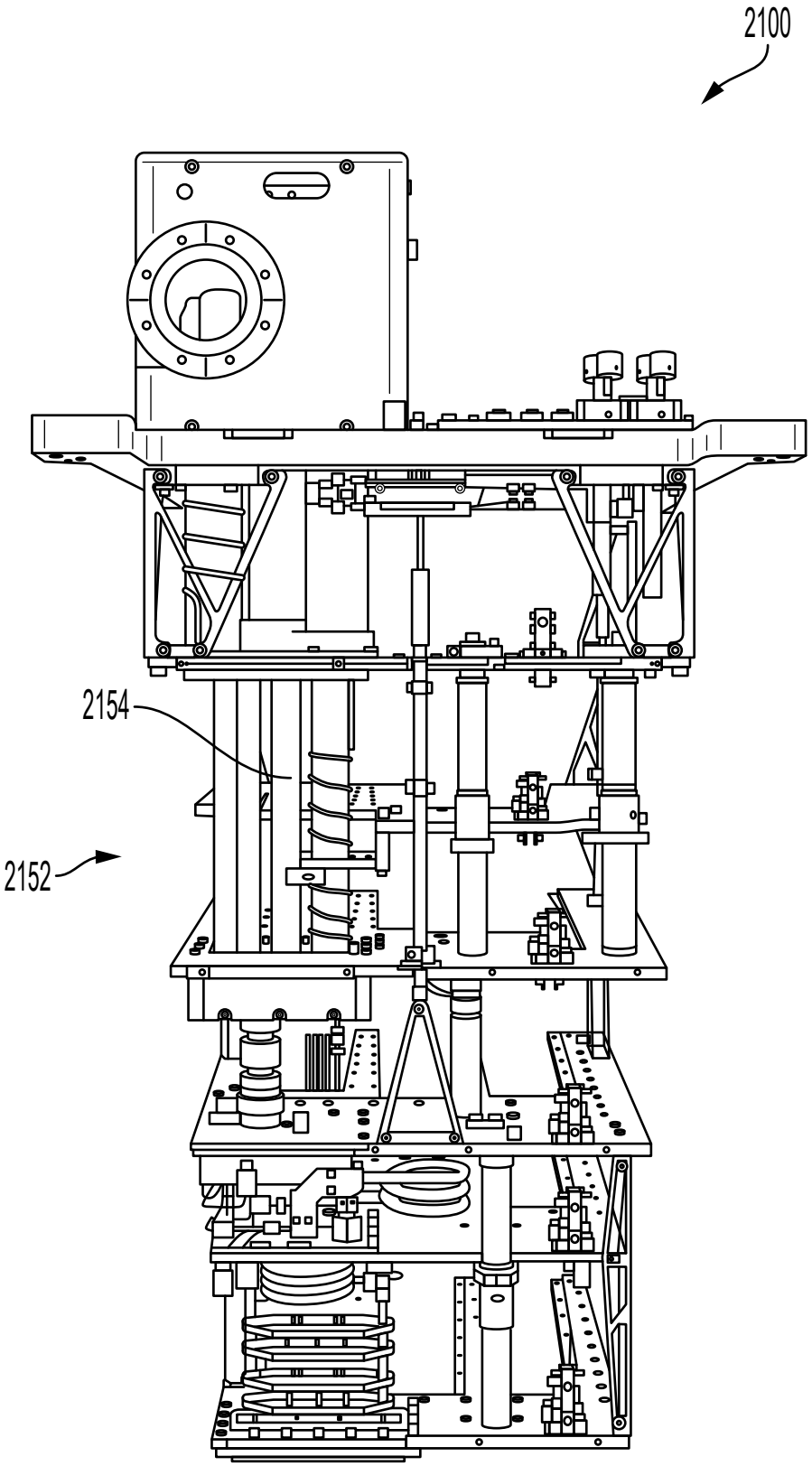


FIG. 2A

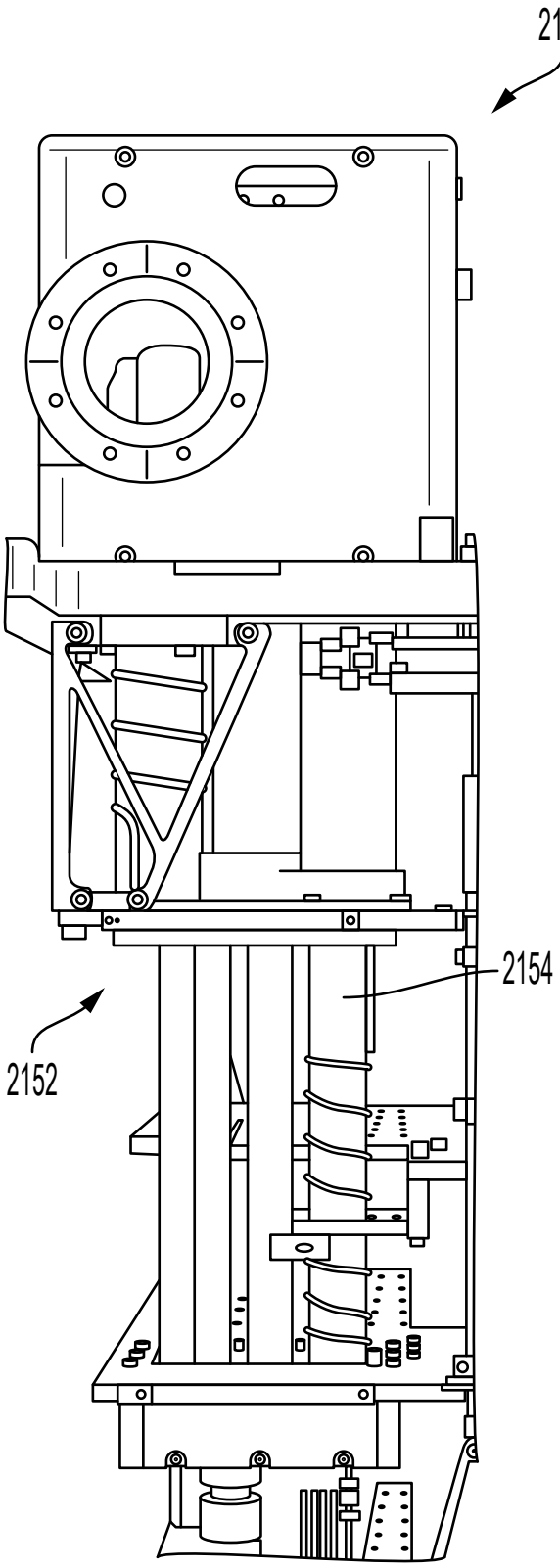


FIG. 2B

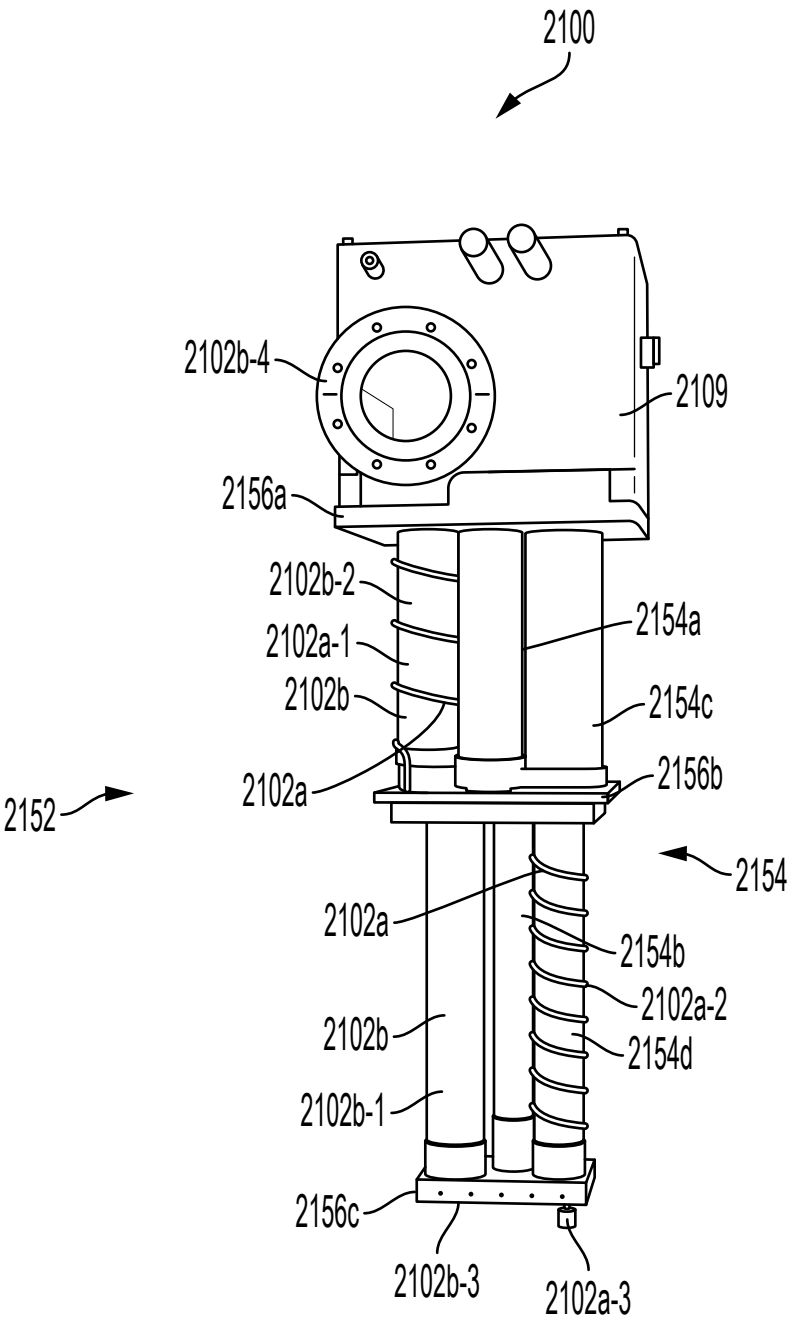

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2156a
2102b-2
2154a
2102a-1
2102b
2154c
2152
2102a
2156b
2154
2102a
2154b
2102a-2
2102b
2154d
2102b-1
2156c
2102b-3
2102a-3

FIG. 2C

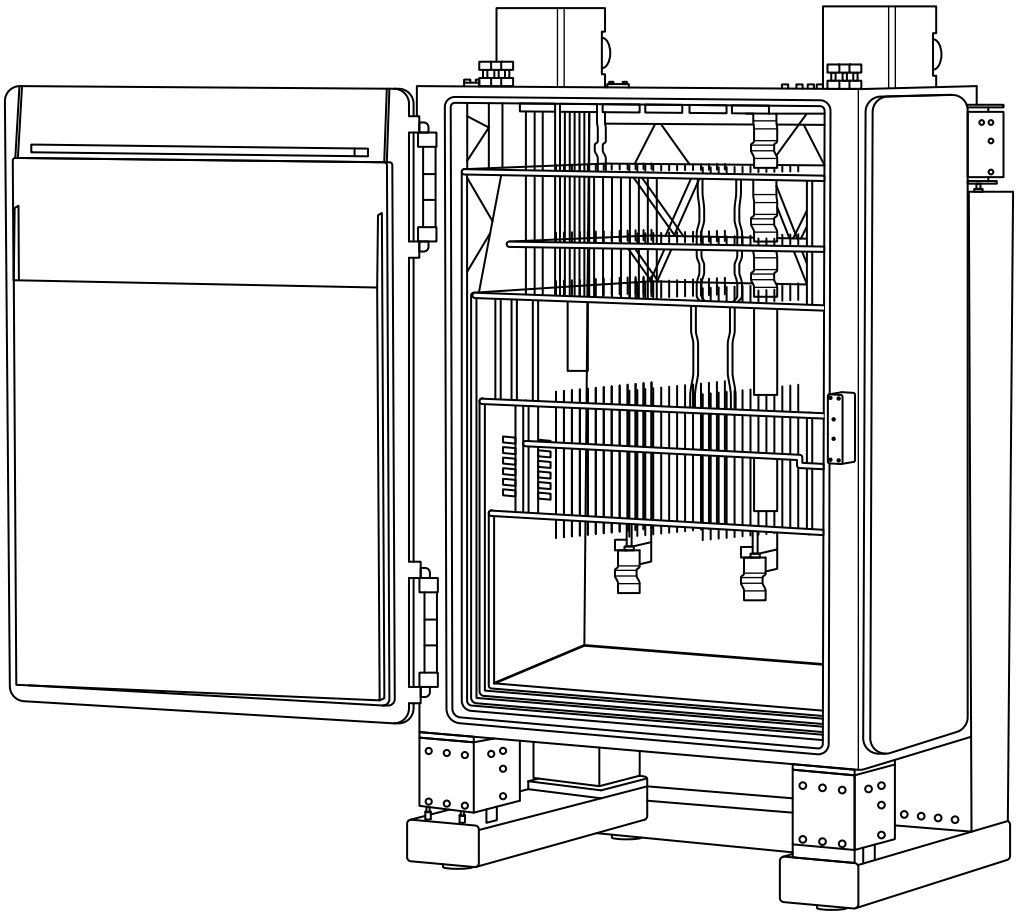


FIG. 2D

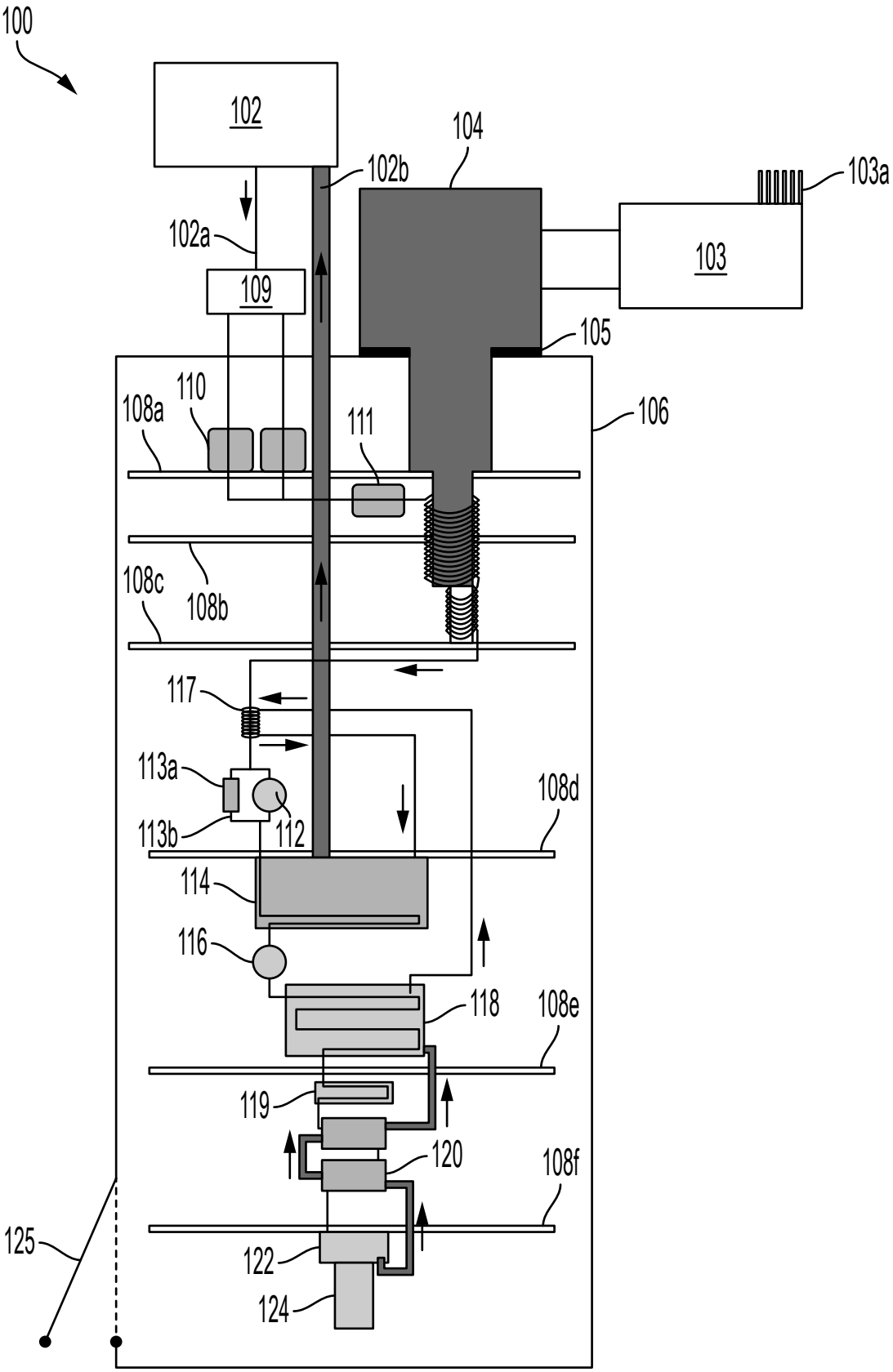

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102
104
102b
103a
102a
103
109
105
110
108a
106
111
108c
108b
117
113a
108d
113b
112
114
116
118
108e
119
120
108f
125
122
124

FIG. 3

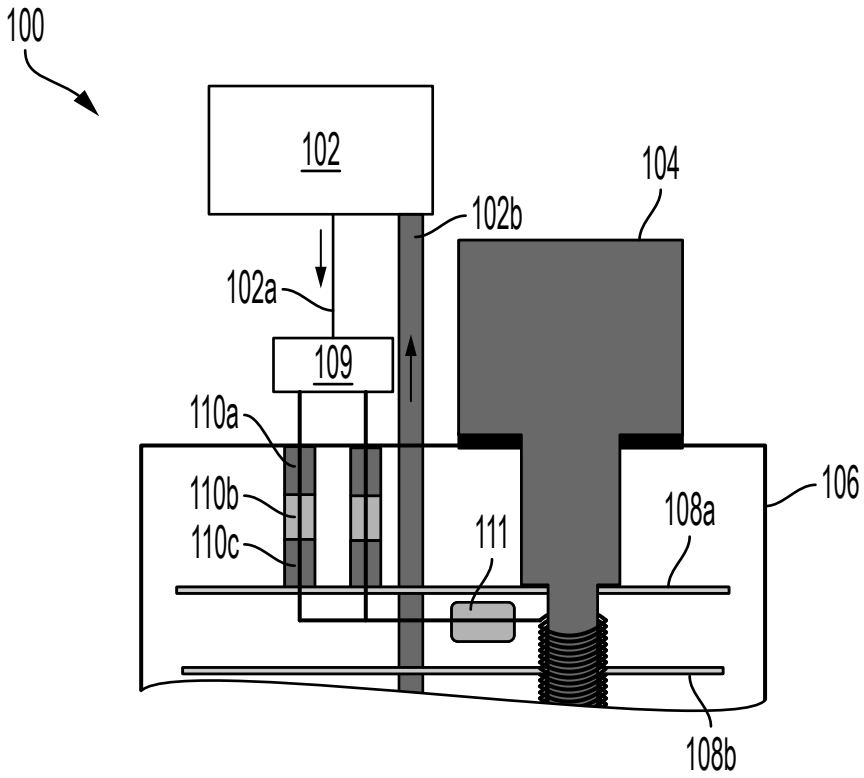


FIG. 4

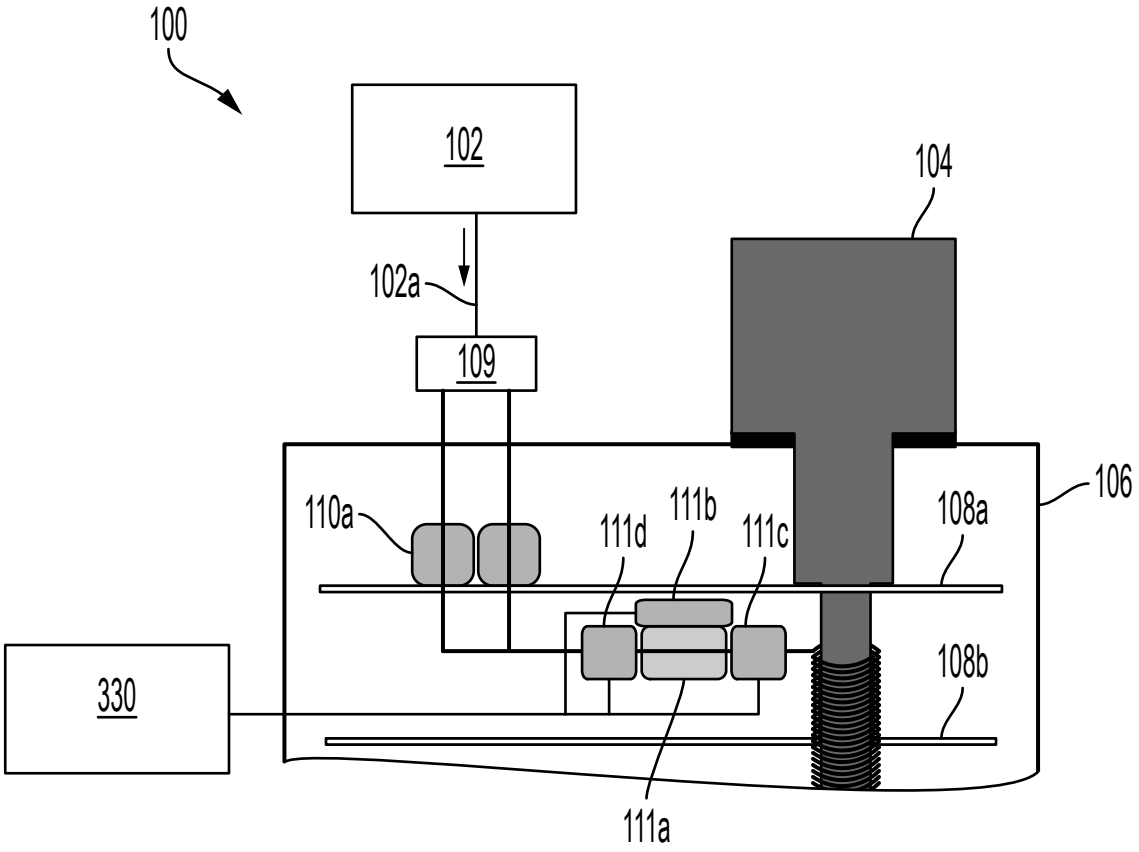

100
102
104
102a
109
106
110a
111b
111d
111c
108a
330
108b
111a

FIG. 5

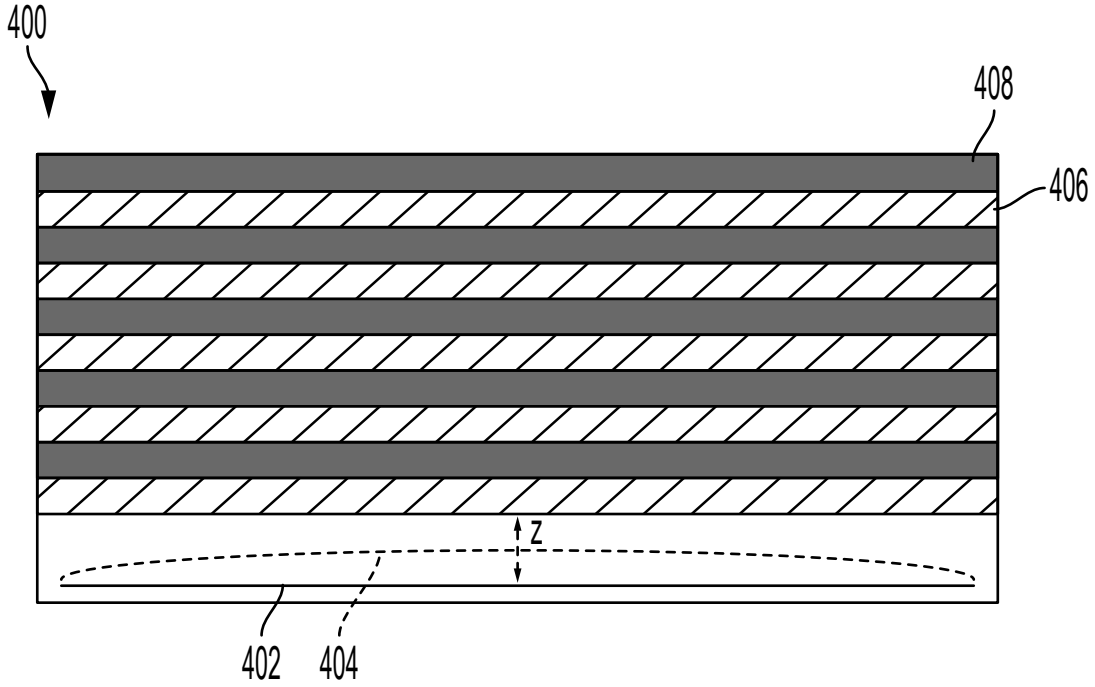


FIG. 6

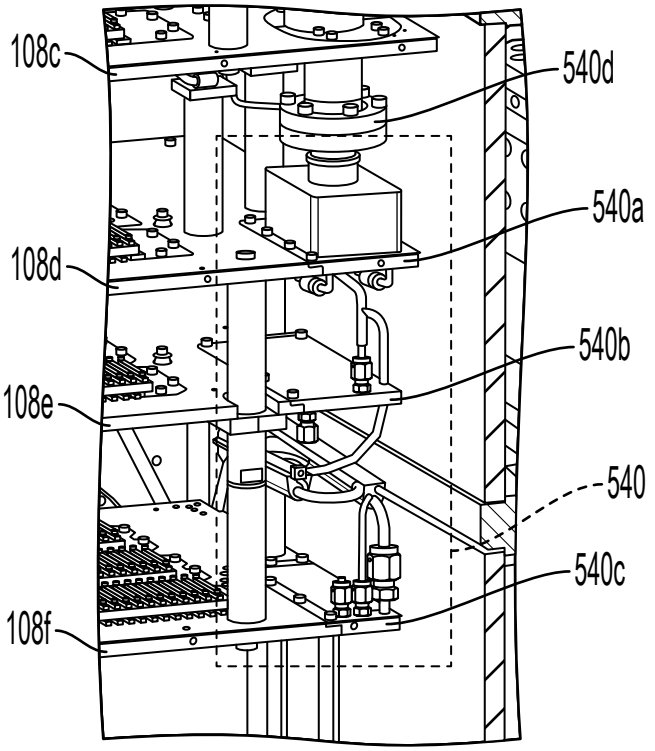


FIG. 7A

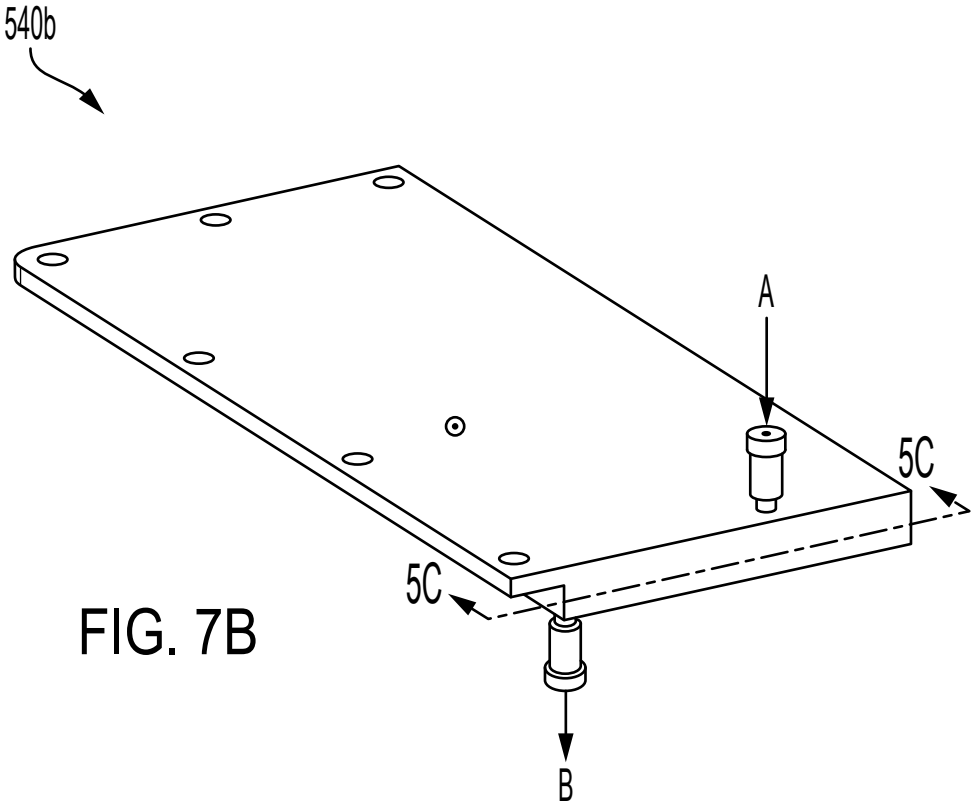


FIG. 7B

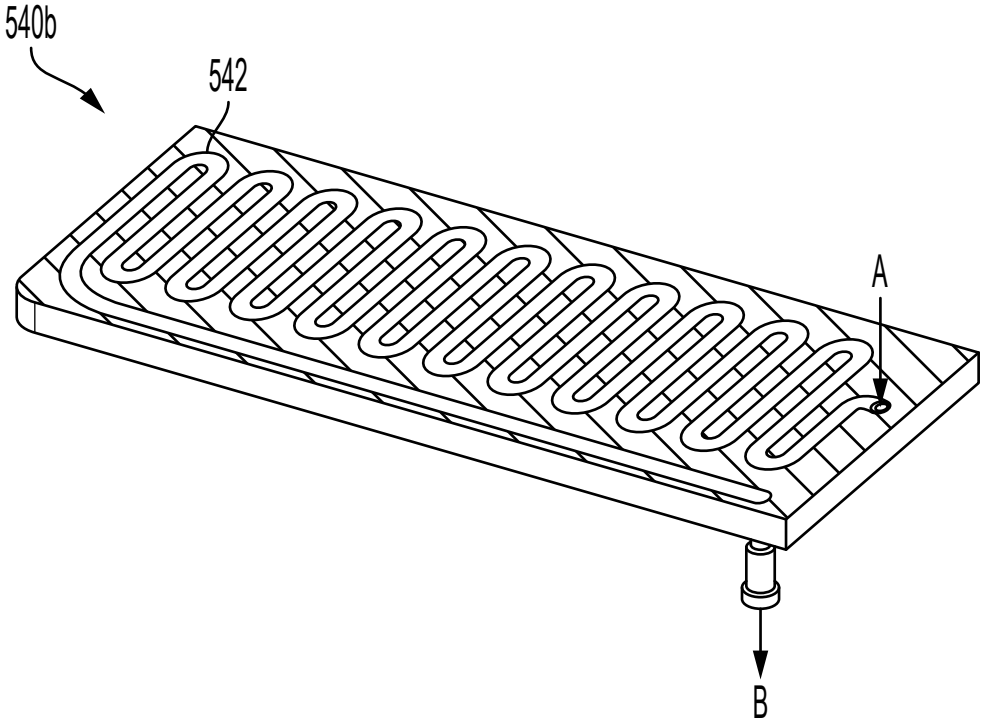


FIG. 7C

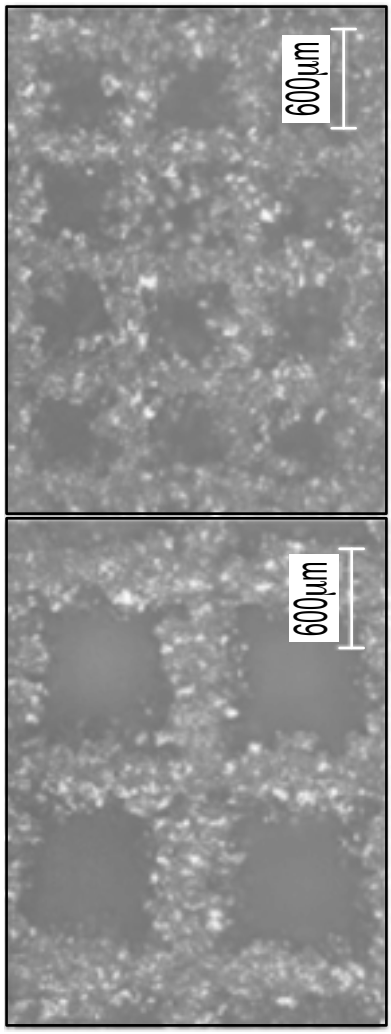


FIG. 7D

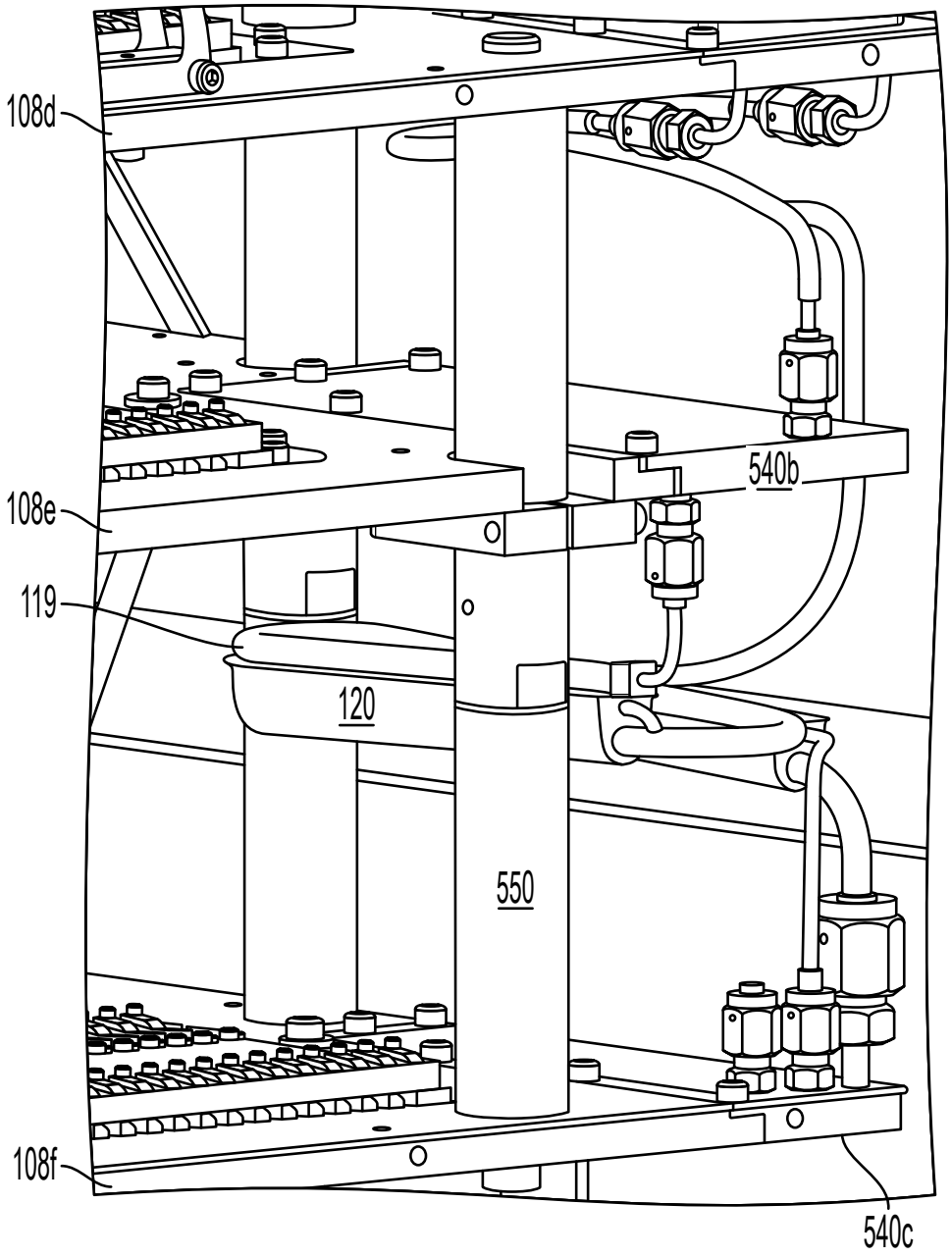


FIG. 7E

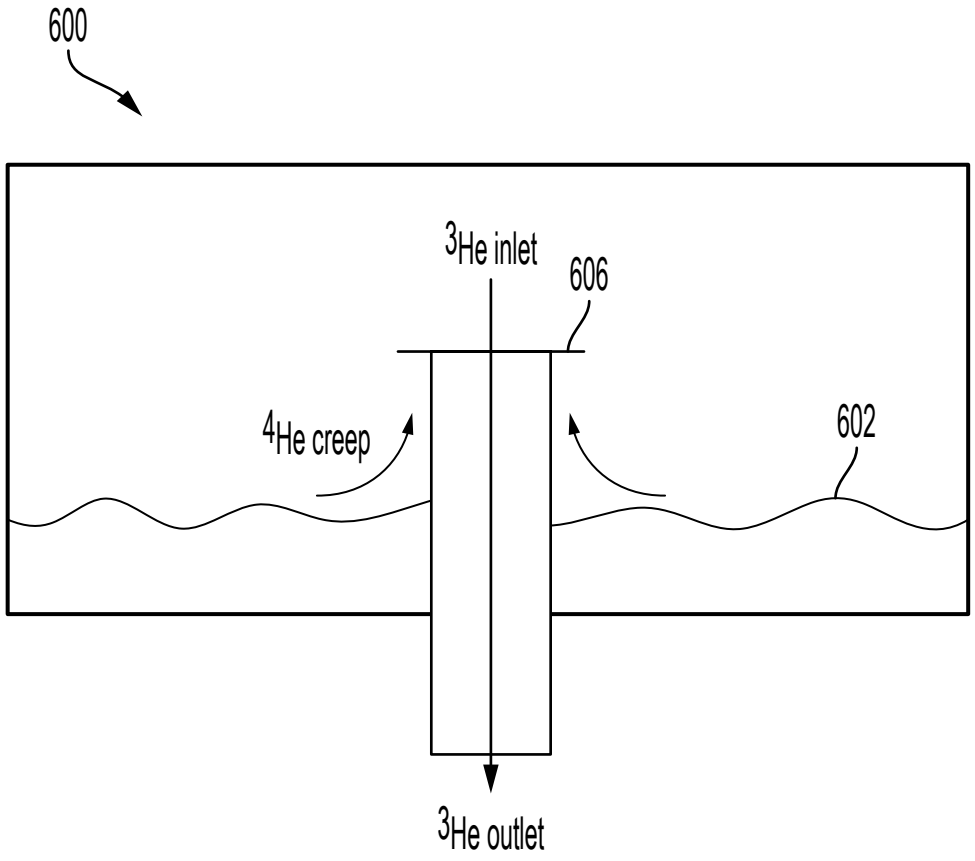


FIG. 8A

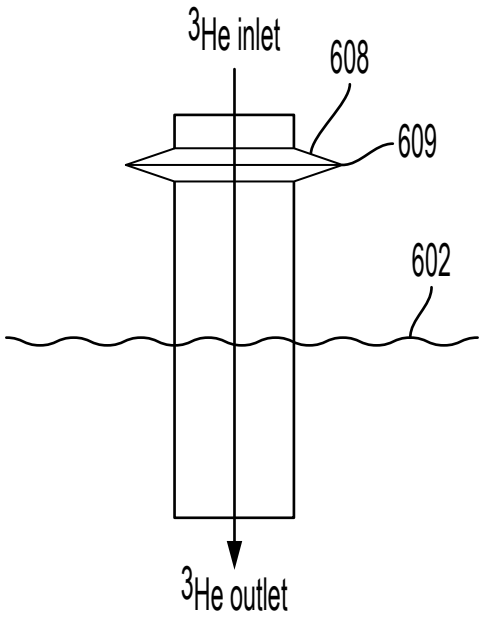


FIG. 8B

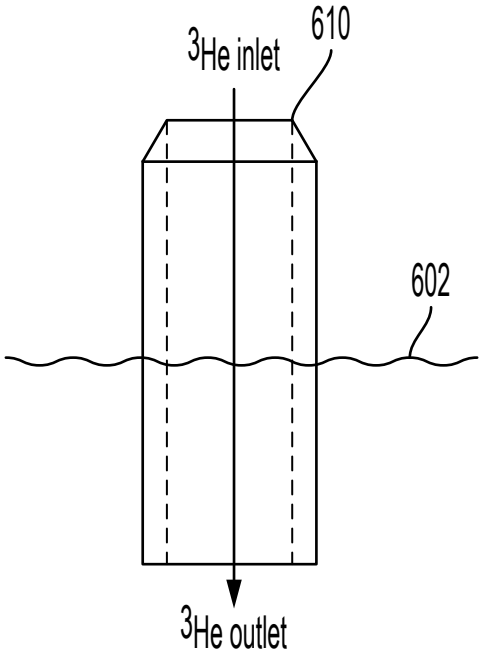


FIG. 8C

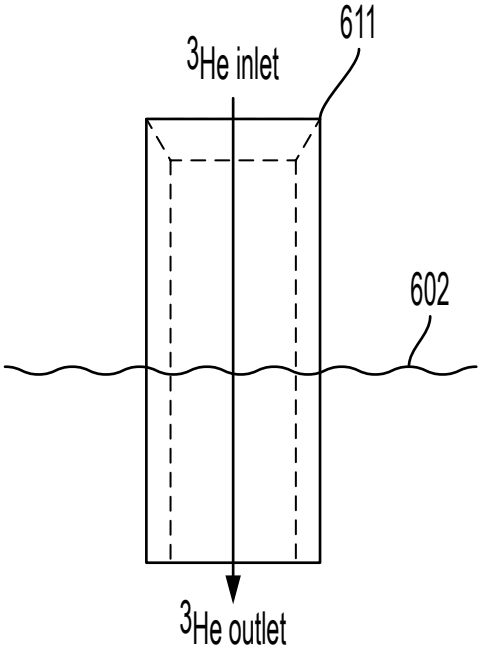


FIG. 8D

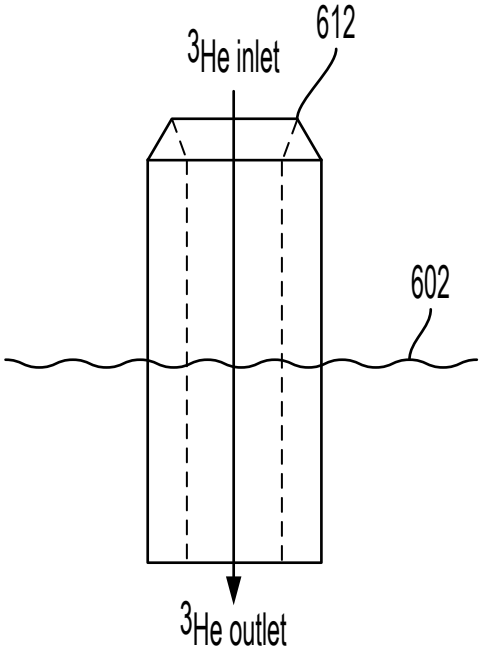


FIG. 8E

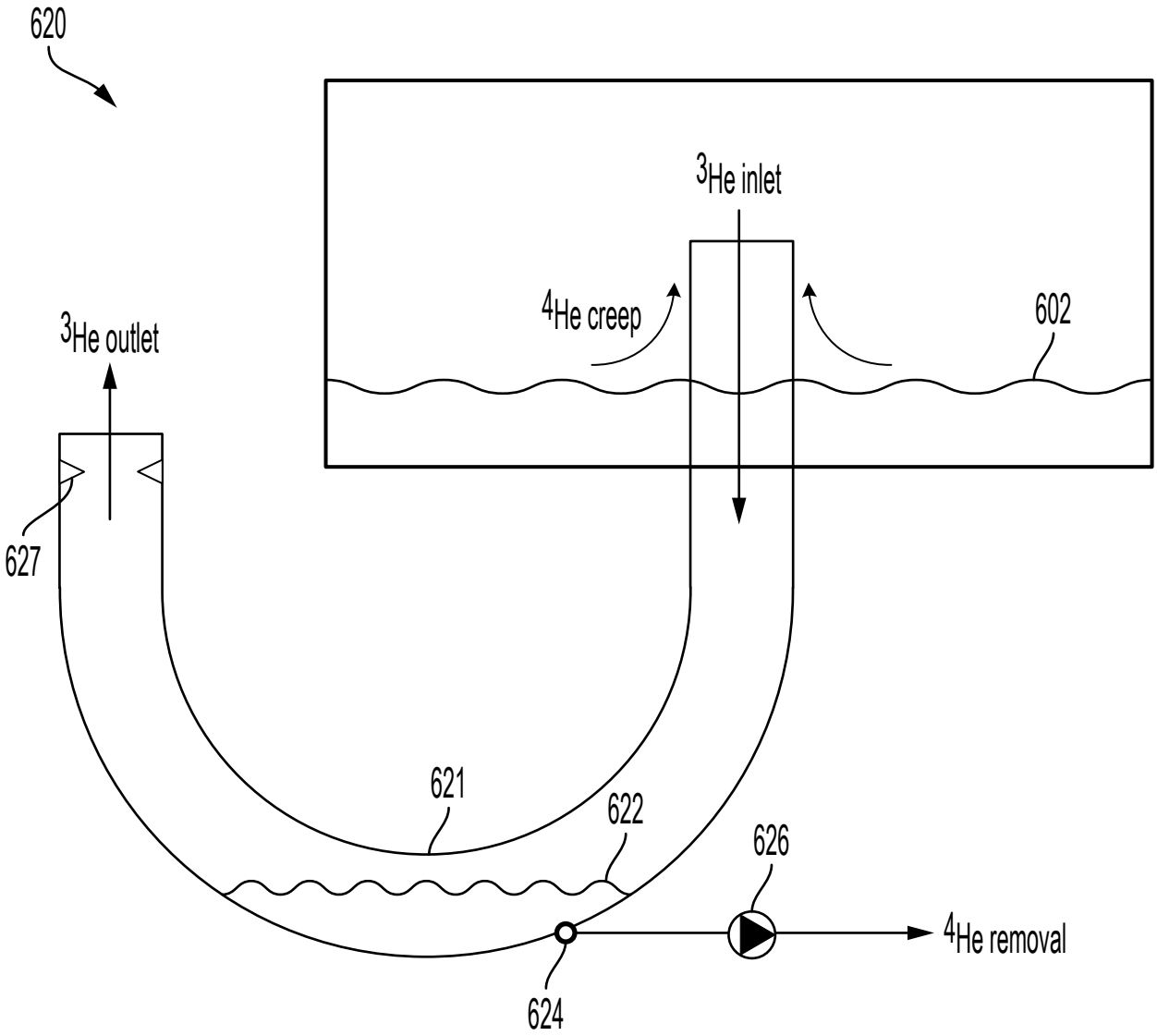

620
3He inlet
4He creep
602
3He outlet
627
621
622
626
4He removal
624

FIG. 8F

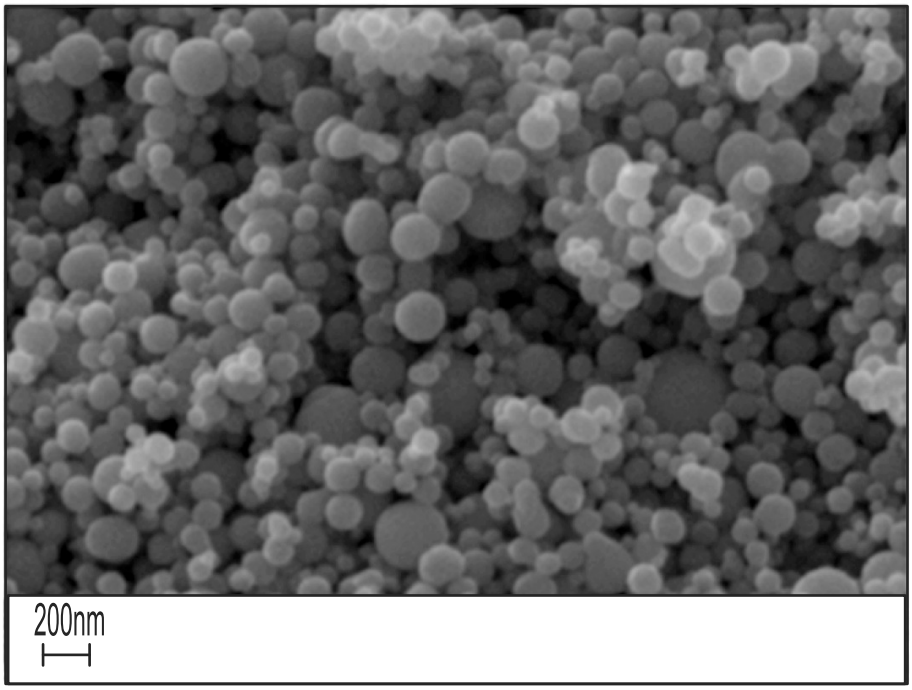


FIG. 9A

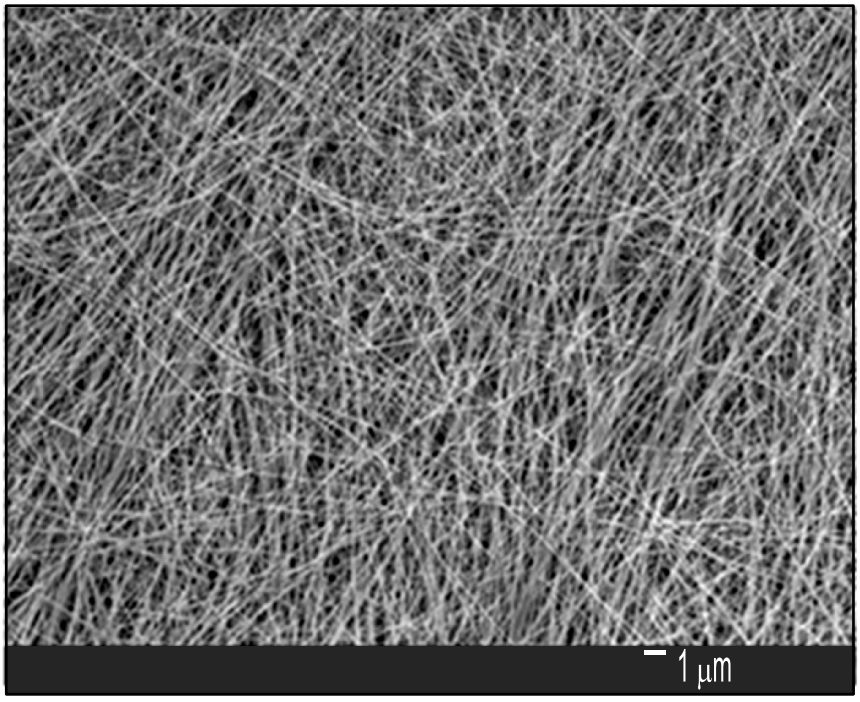


FIG. 9B

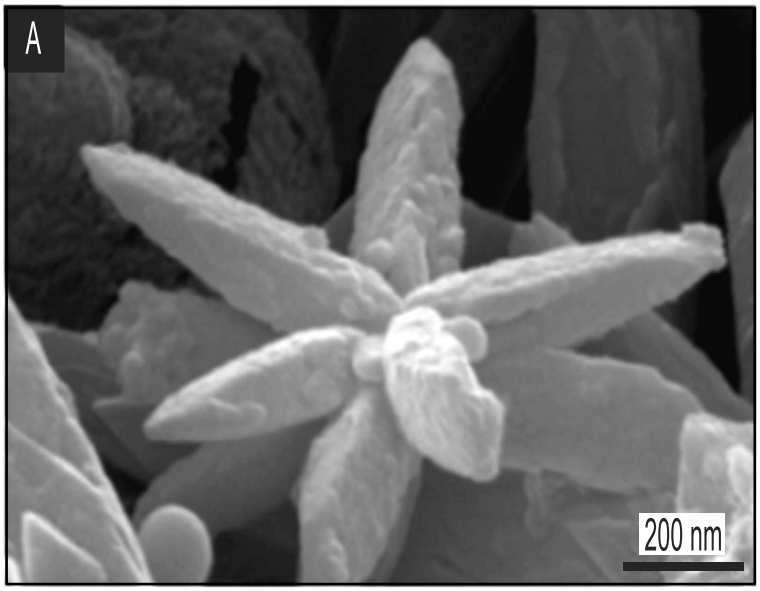


FIG. 9C

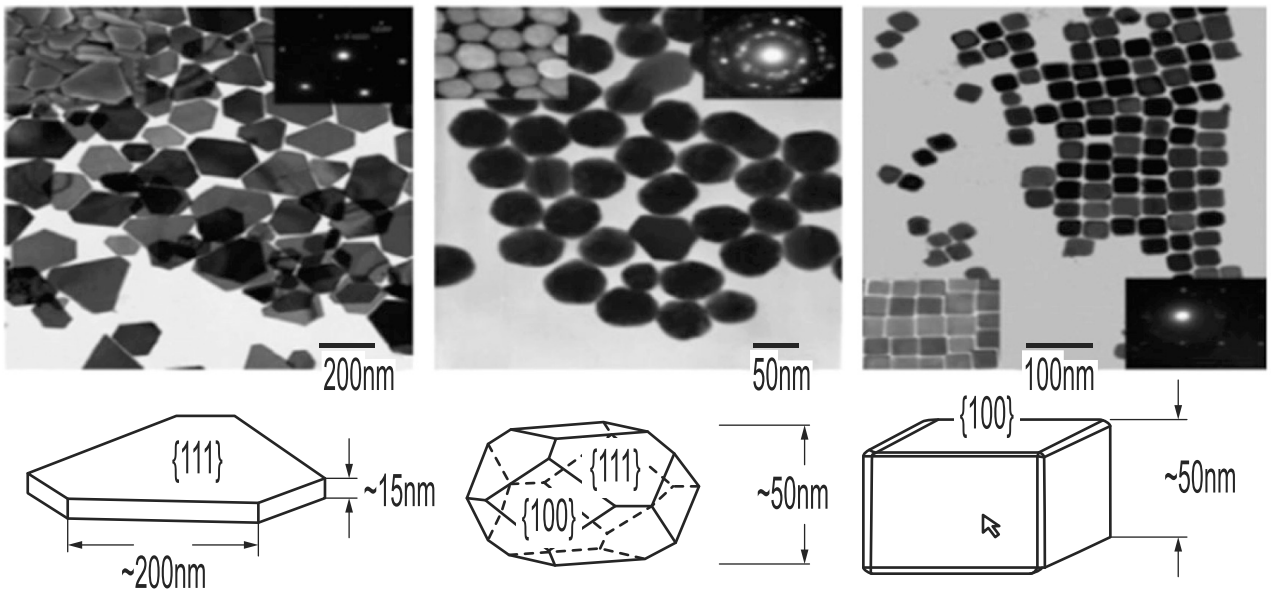


FIG. 9D

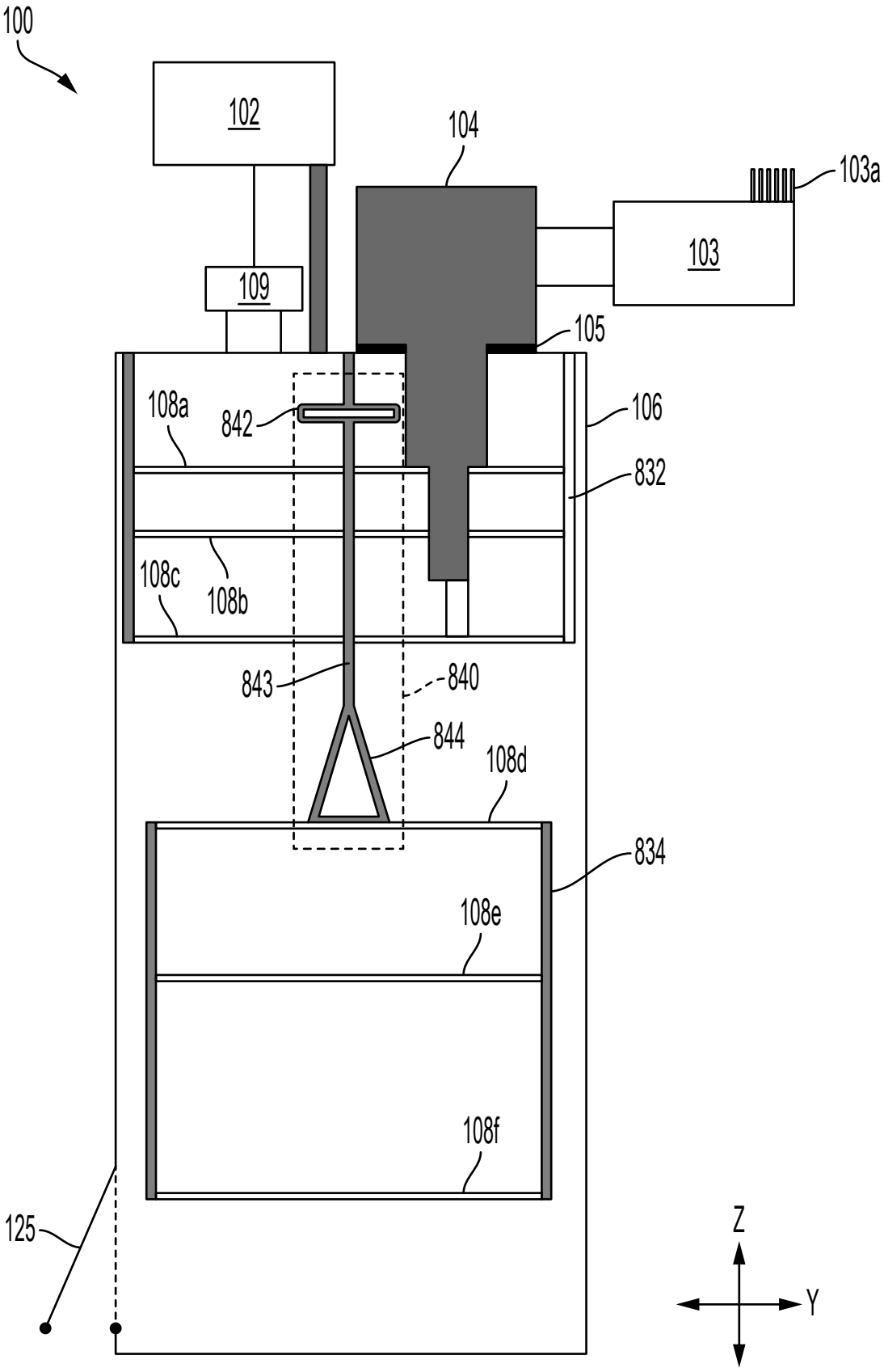

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108c
108b
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840
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108d
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108e
108f
125
Z
Y

FIG. 10A

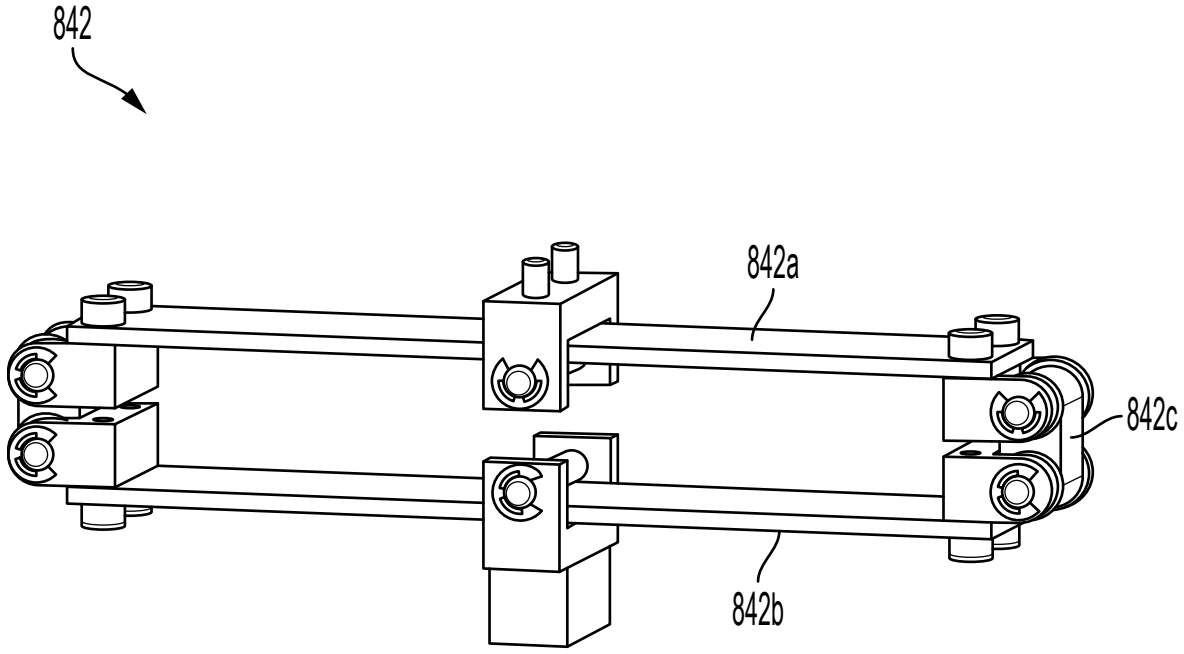


FIG. 10B

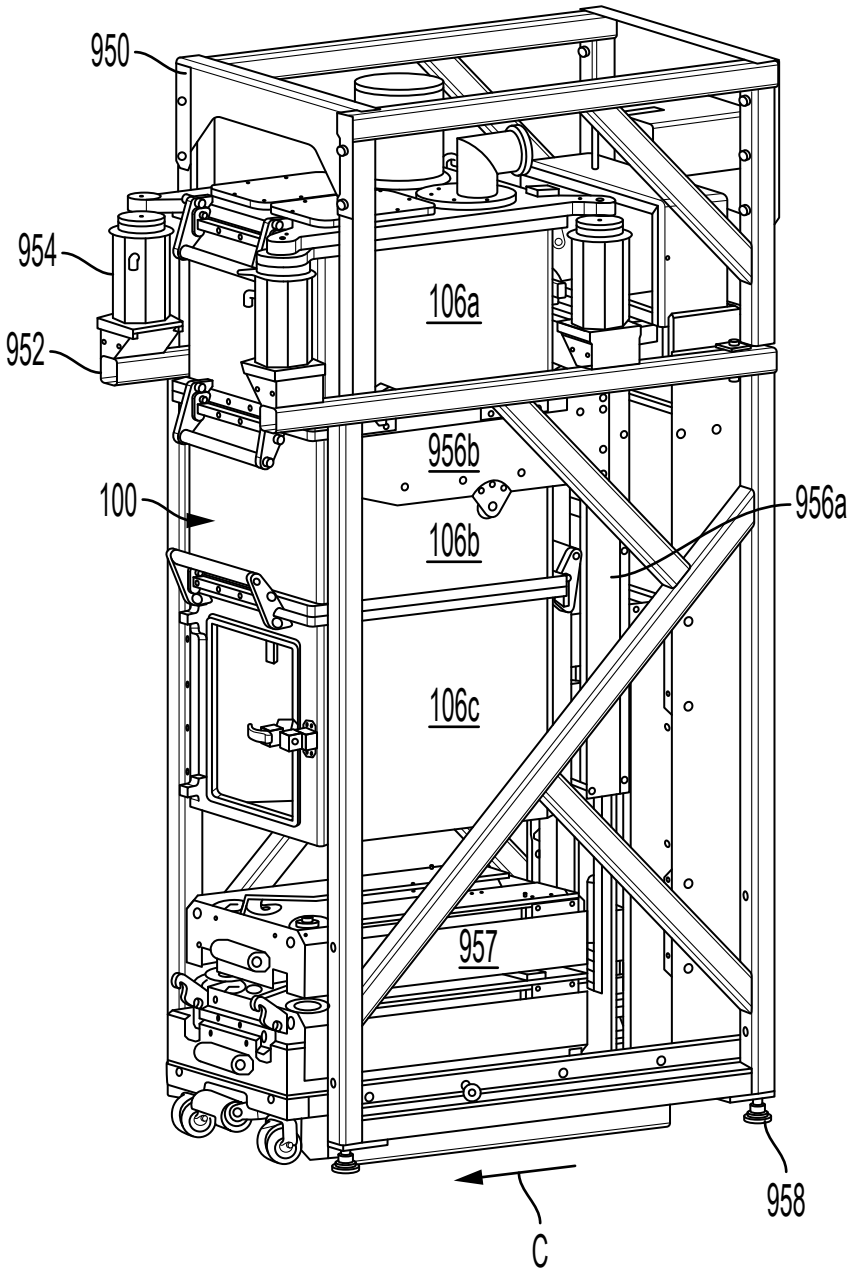


FIG. 11

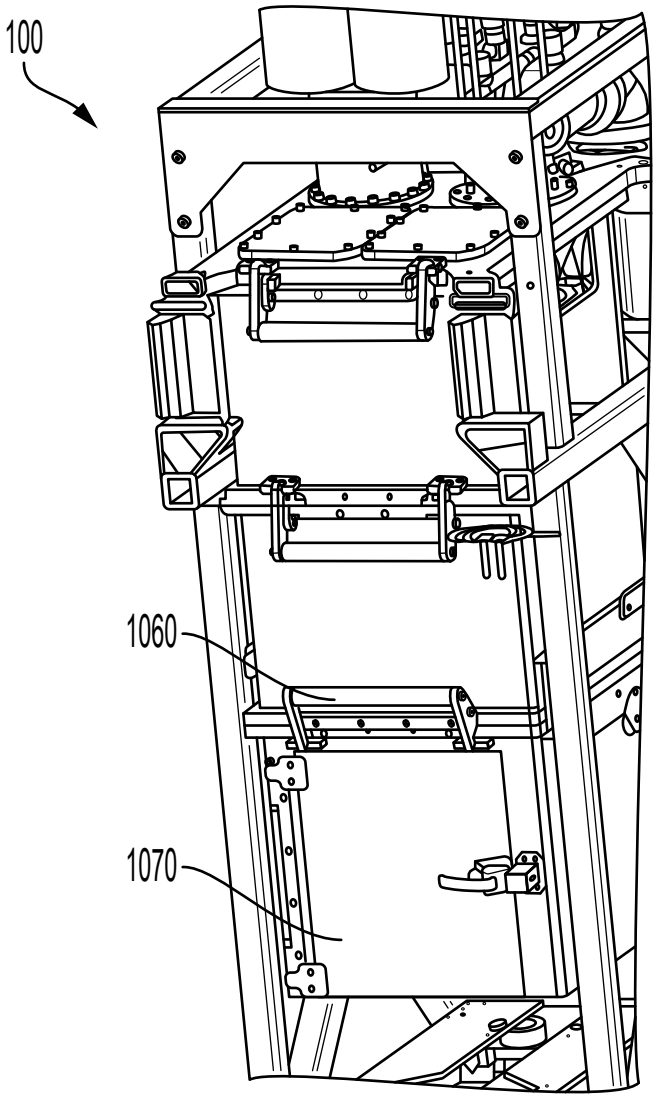


FIG. 12A

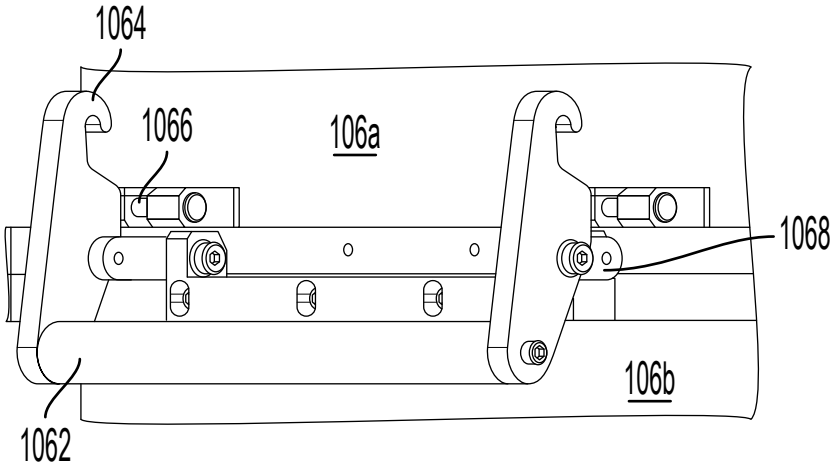


FIG. 12B

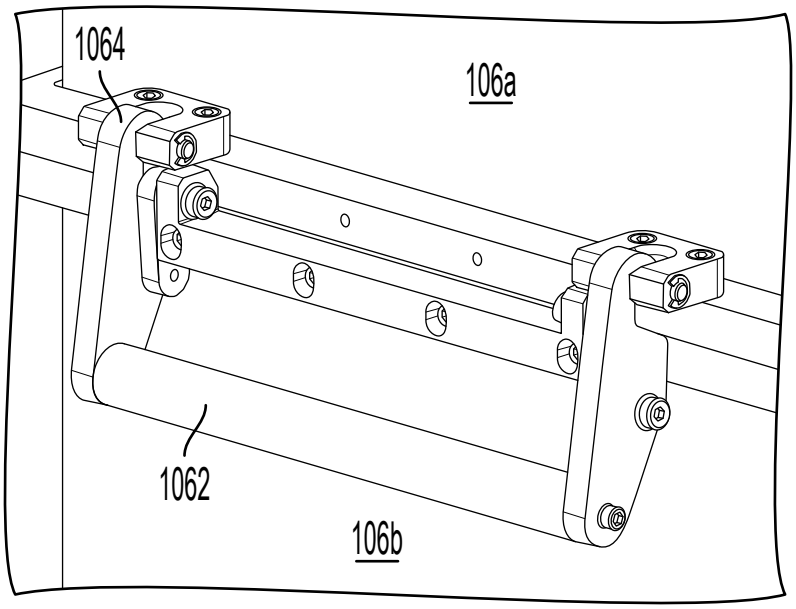


FIG. 12C

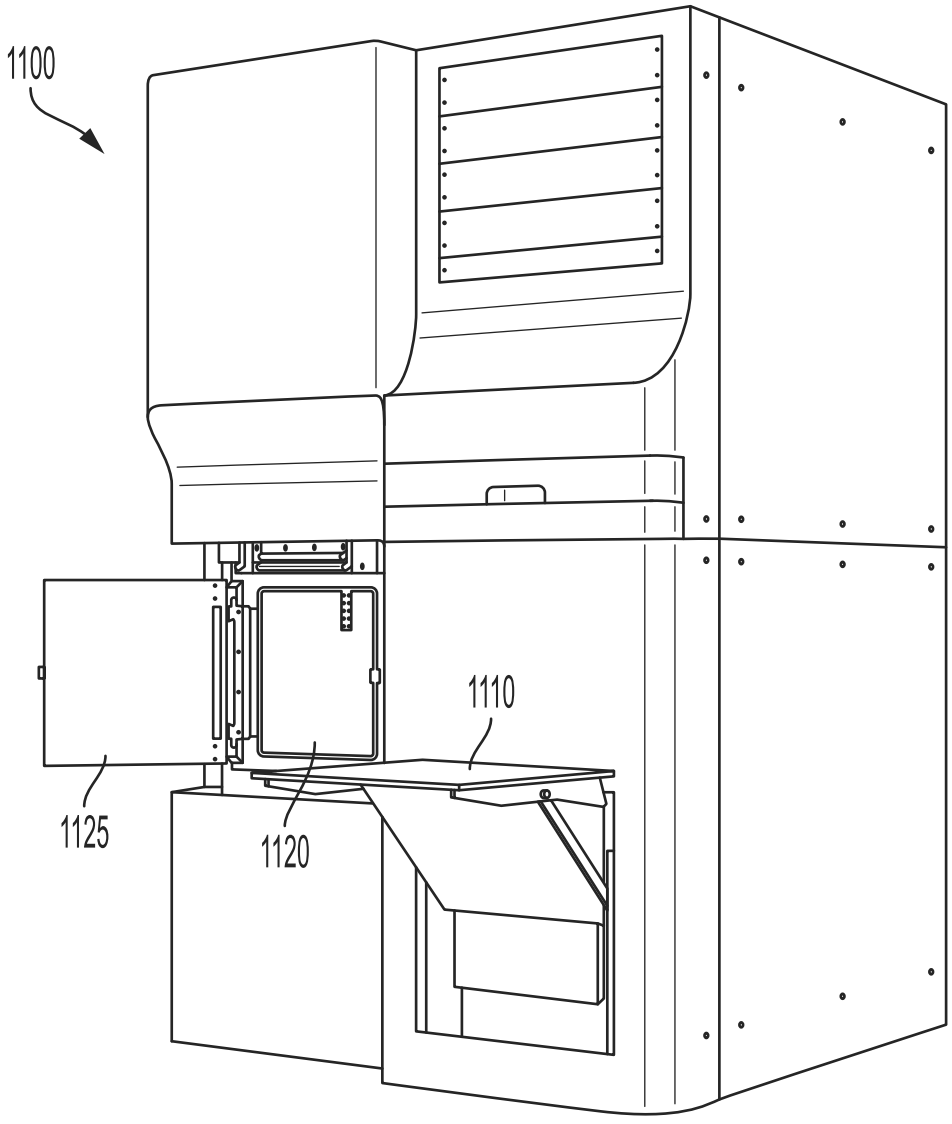


FIG. 13

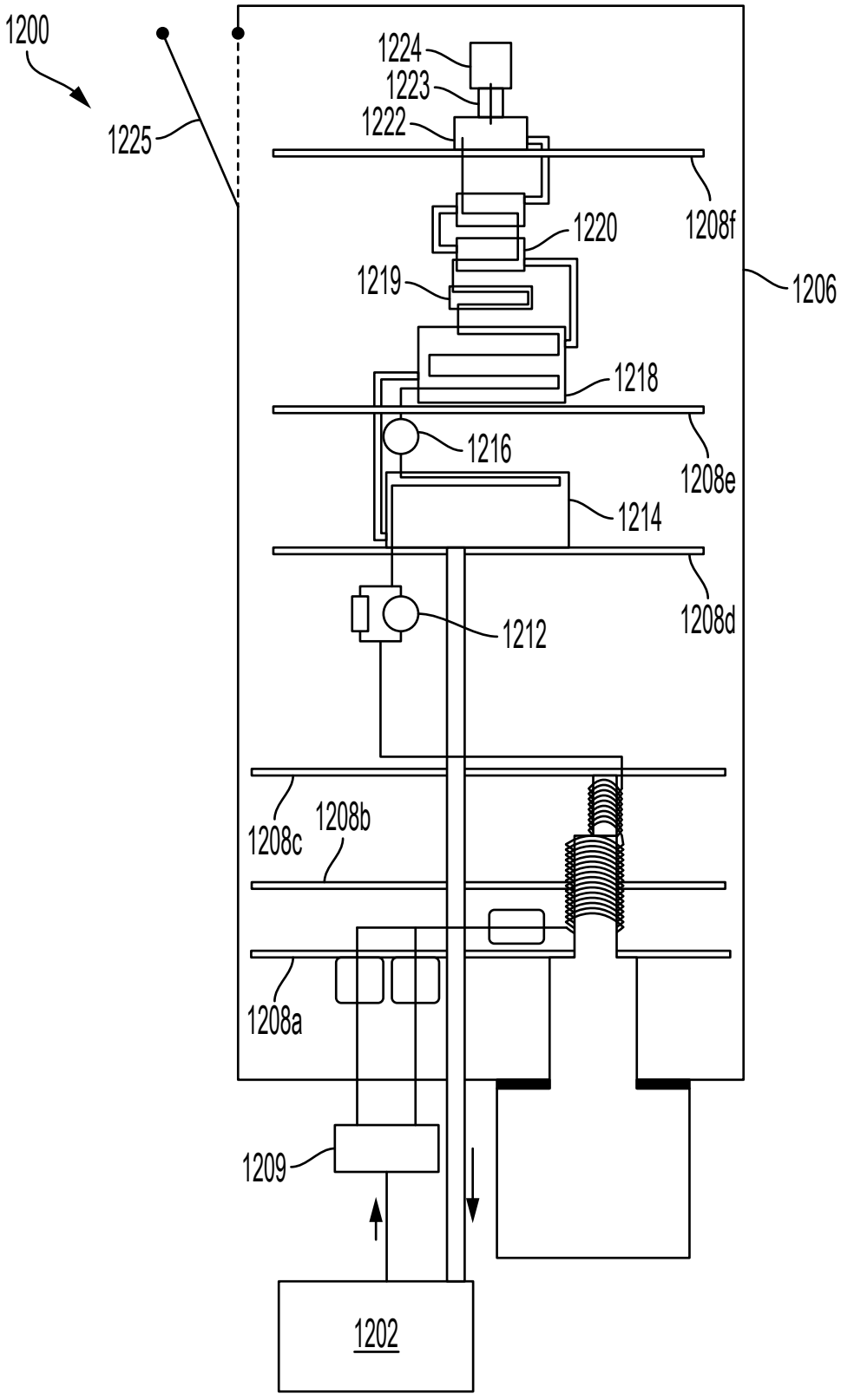

1200
1225
1224
1223
1222
1208f
1220
1219
1206
1218
1216
1208e
1214
1208d
1212
1208c
1208b
1208a
1209
1202

FIG. 14A

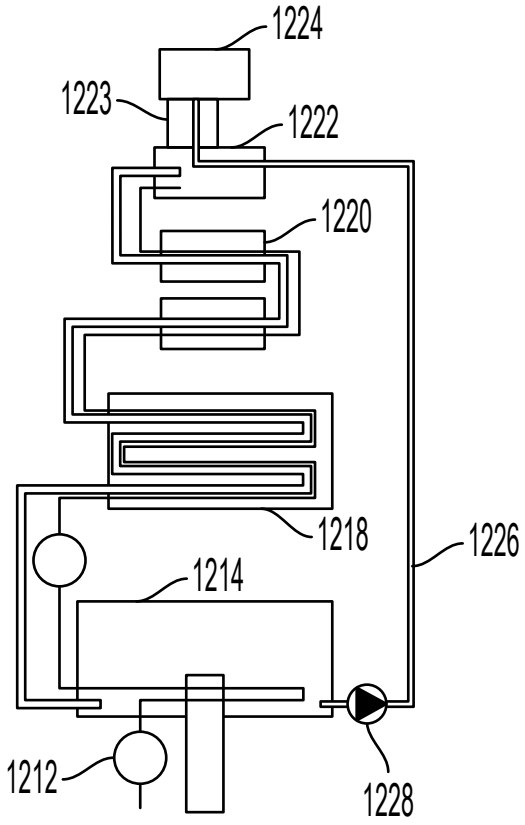


FIG. 14B

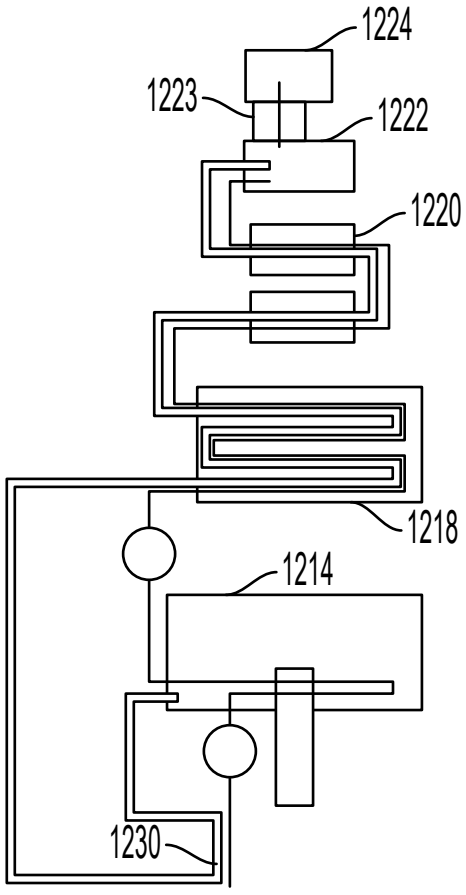


FIG. 14C

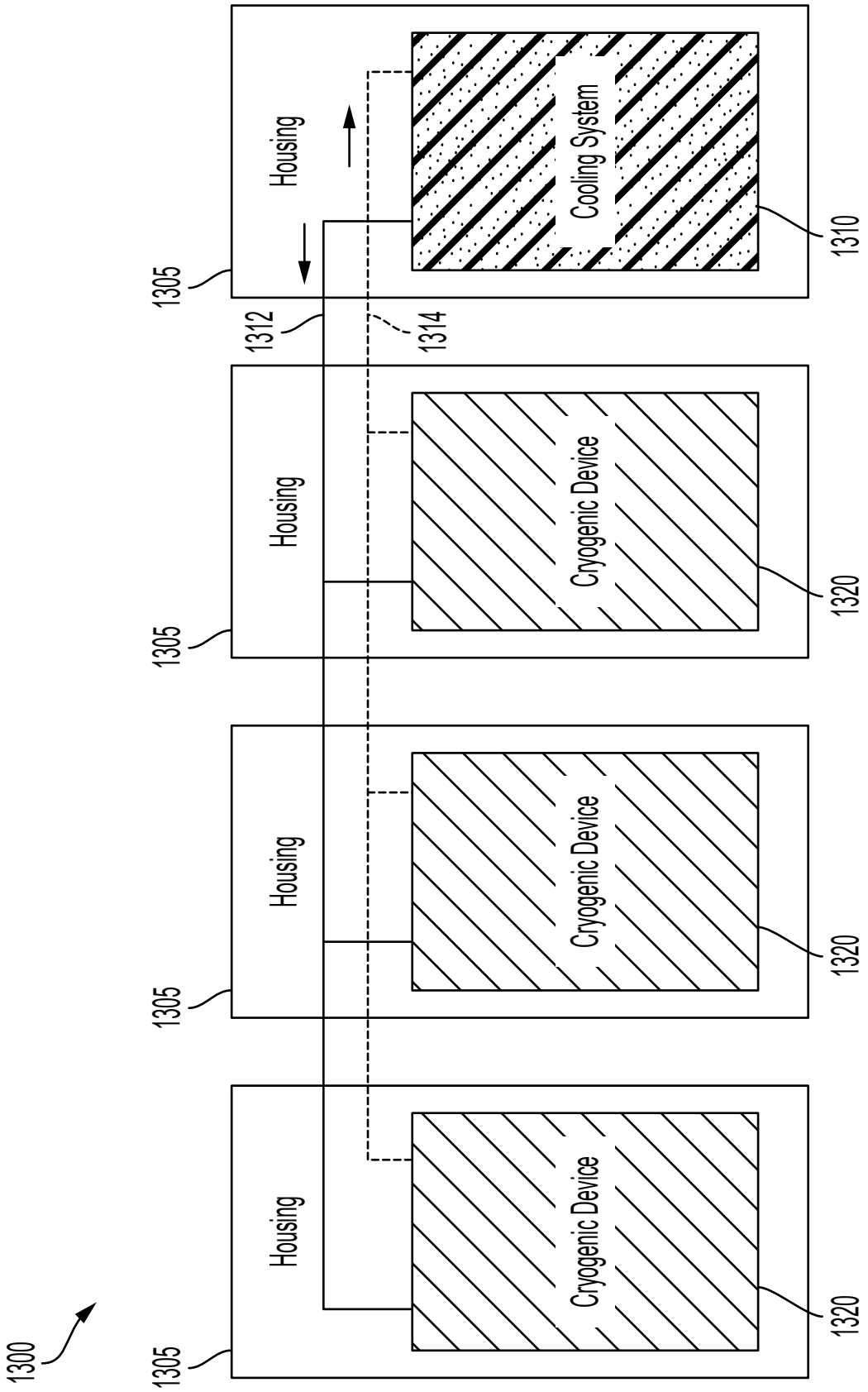

1300
1305
Housing
Cooling System
1310
1312
1314
1305
Housing
Cryogenic Device
1320
1305
Housing
Cryogenic Device
1320
1305
Housing
Cryogenic Device
1320

FIG. 15

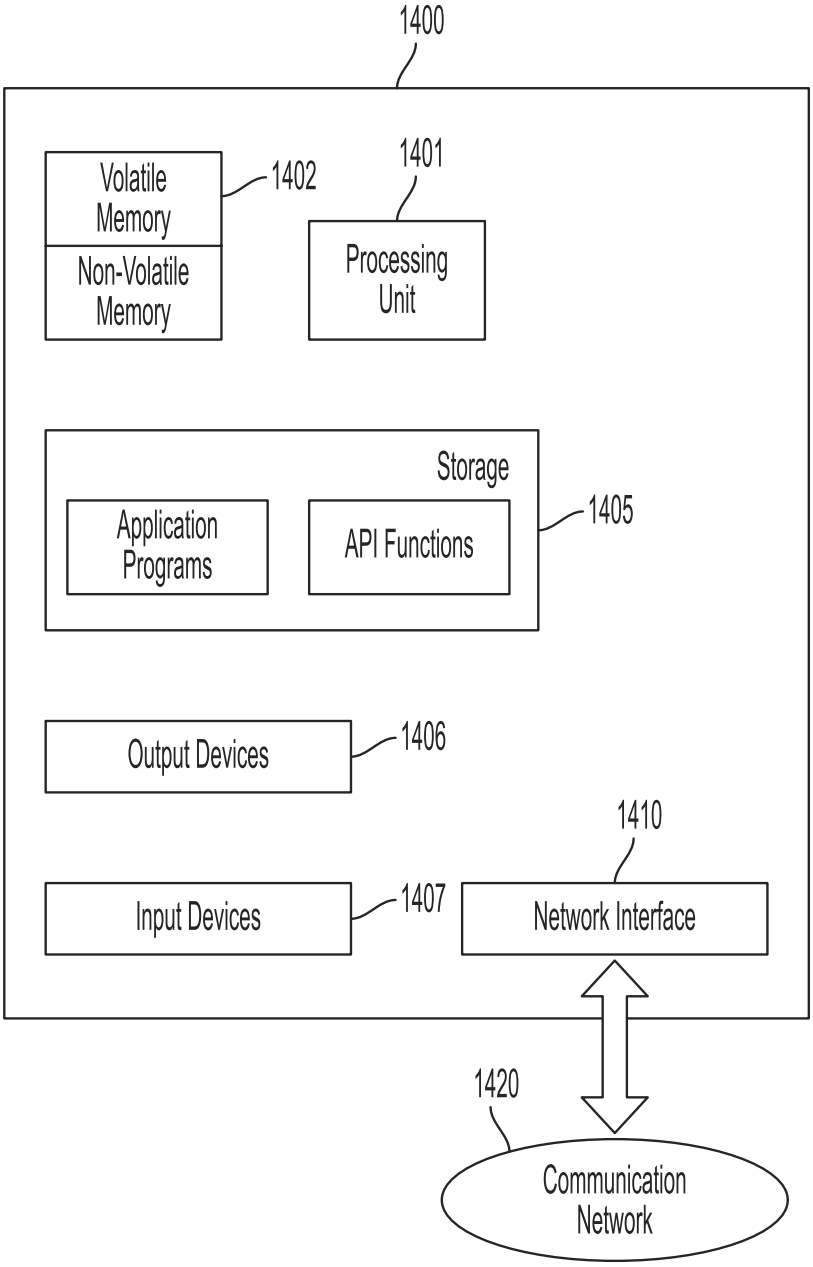

1400
Volatile Memory
Non-Volatile Memory
1402
1401
Processing Unit
Storage
Application Programs
API Functions
1405
Output Devices
1406
1410
Input Devices
1407
Network Interface
1420
Communication Network

FIG. 16