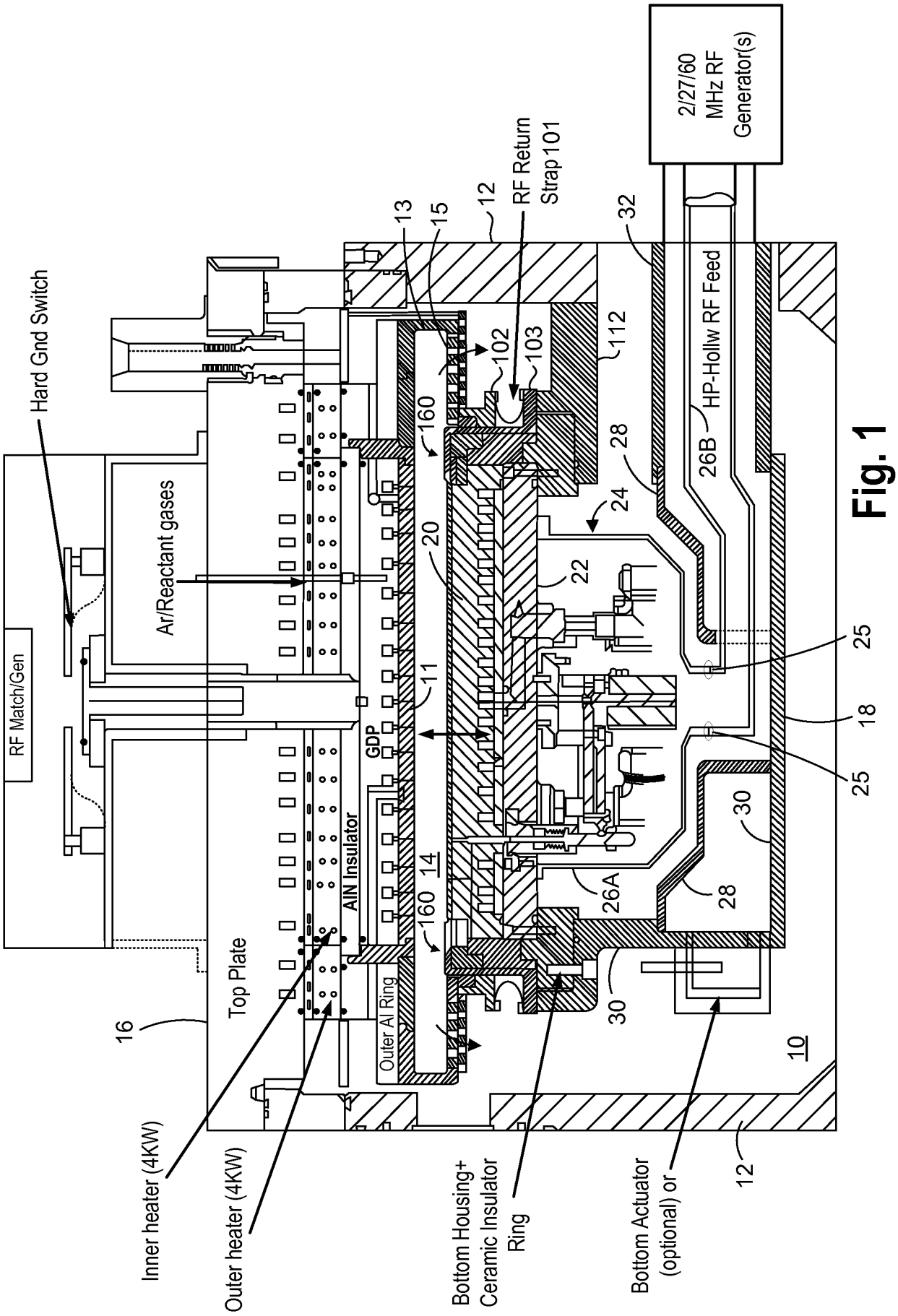

2/27/60 MHz RF Generator(s)
RF Return Strap 101
Hard Gnd Switch
Ar/Reactant gases
RF Match/Gen
HP-Hollw RF Feed
AlN Insulator
GDP
Top Plate
Outer Al Ring
Inner heater (4KW)
Outer heater (4KW)
Bottom Housing+ Ceramic Insulator Ring
Bottom Actuator (optional) or
12
13
15
32
102
103
112
160
28
26B
24
20
22
25
18
11
14
30
26A
16
10

Fig. 1

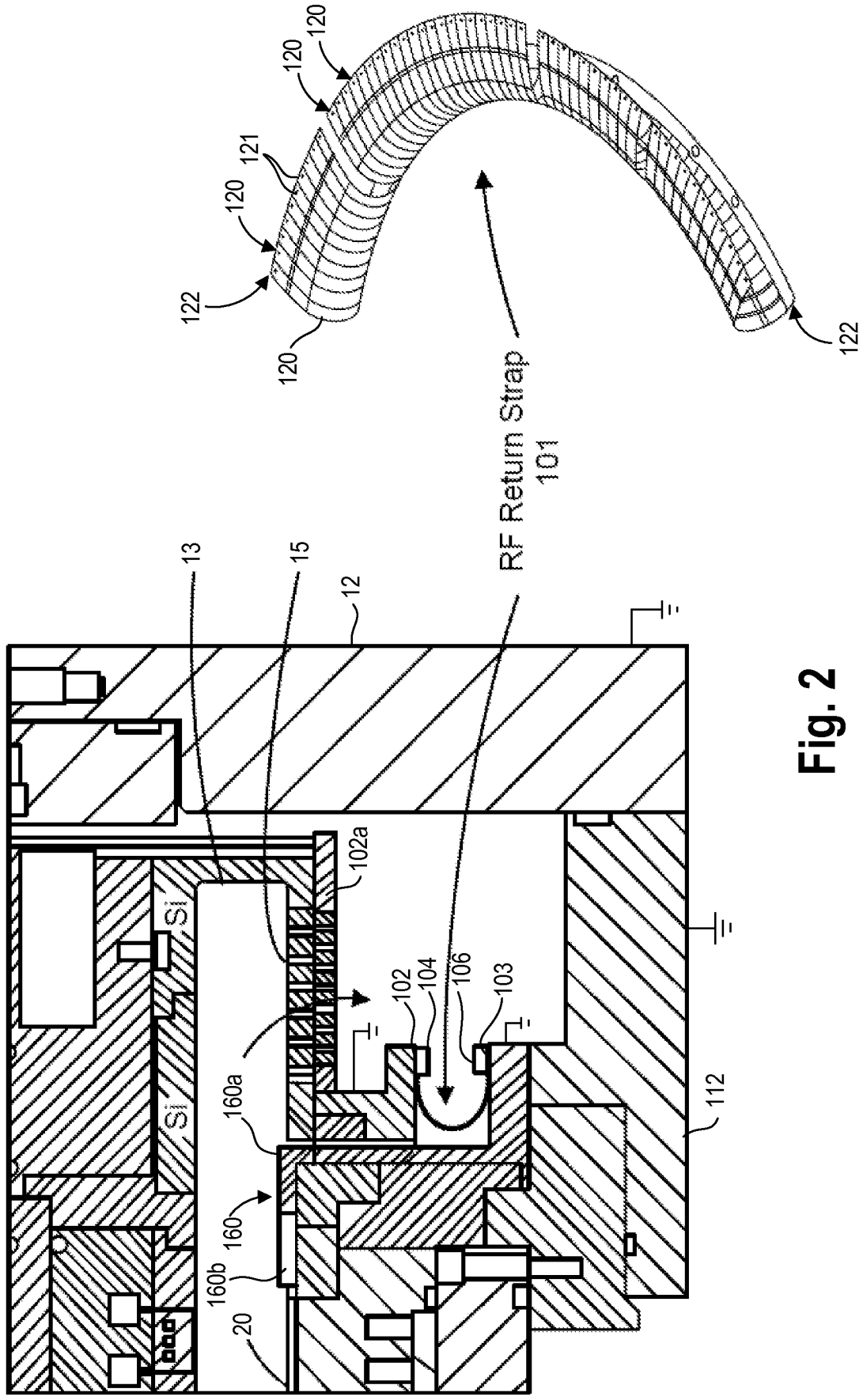

120
120
121
120
122
120
122
RF Return Strap
101
13
15
12
102a
Si
Si
102
104
106
103
160a
160
160b
20
112

Fig. 2

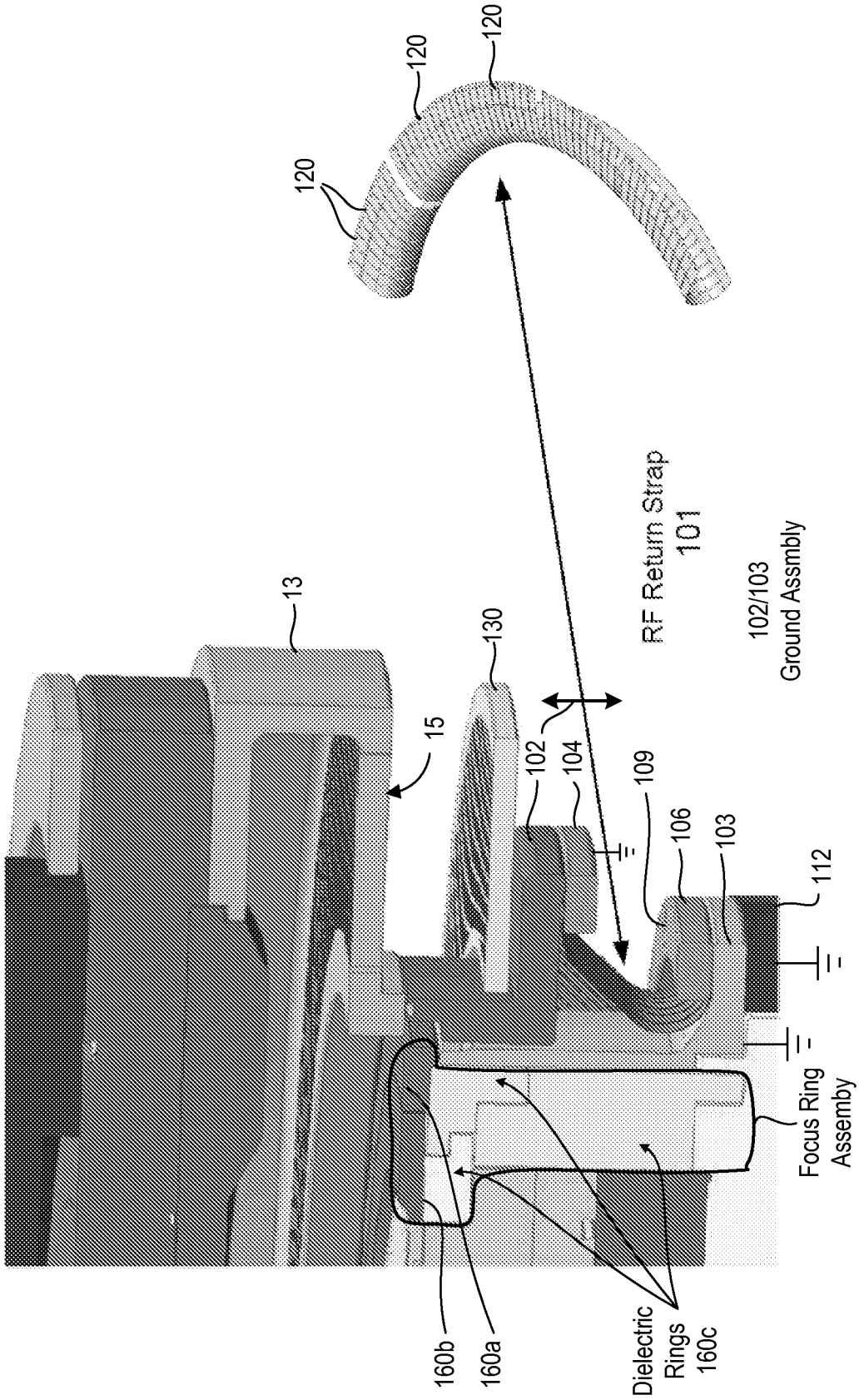

120
120
120
13
130
15
102
104
109
106
103
112
RF Return Strap
101
102/103
Ground Assmbly
Focus Ring
Assemby
160
160b
160a
Dielectric
Rings
160c

Fig. 3

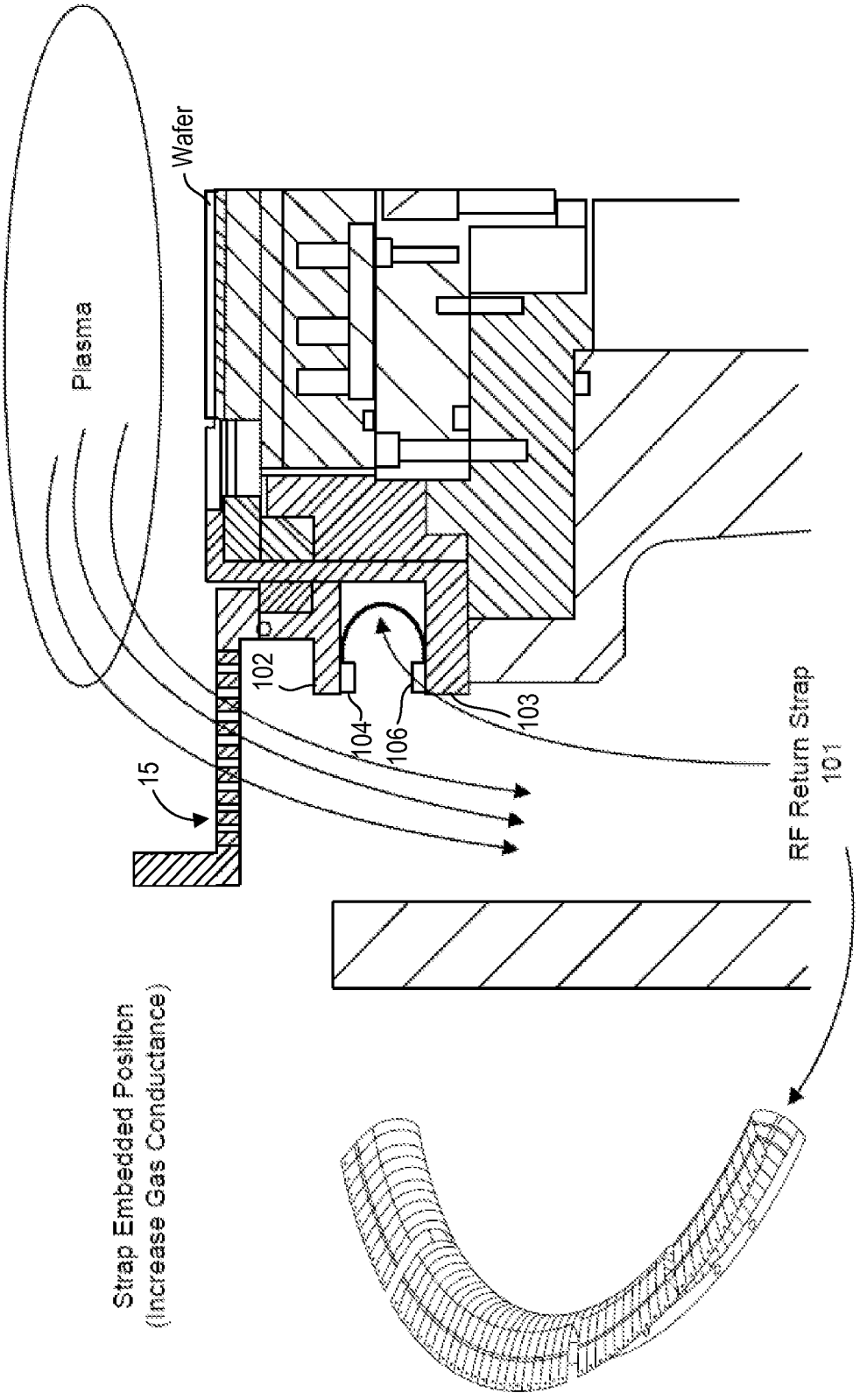

Plasma
Wafer
102
104
106
103
15
RF Return Strap
101
Strap Embedded Position
(Increase Gas Conductance)

Fig. 4

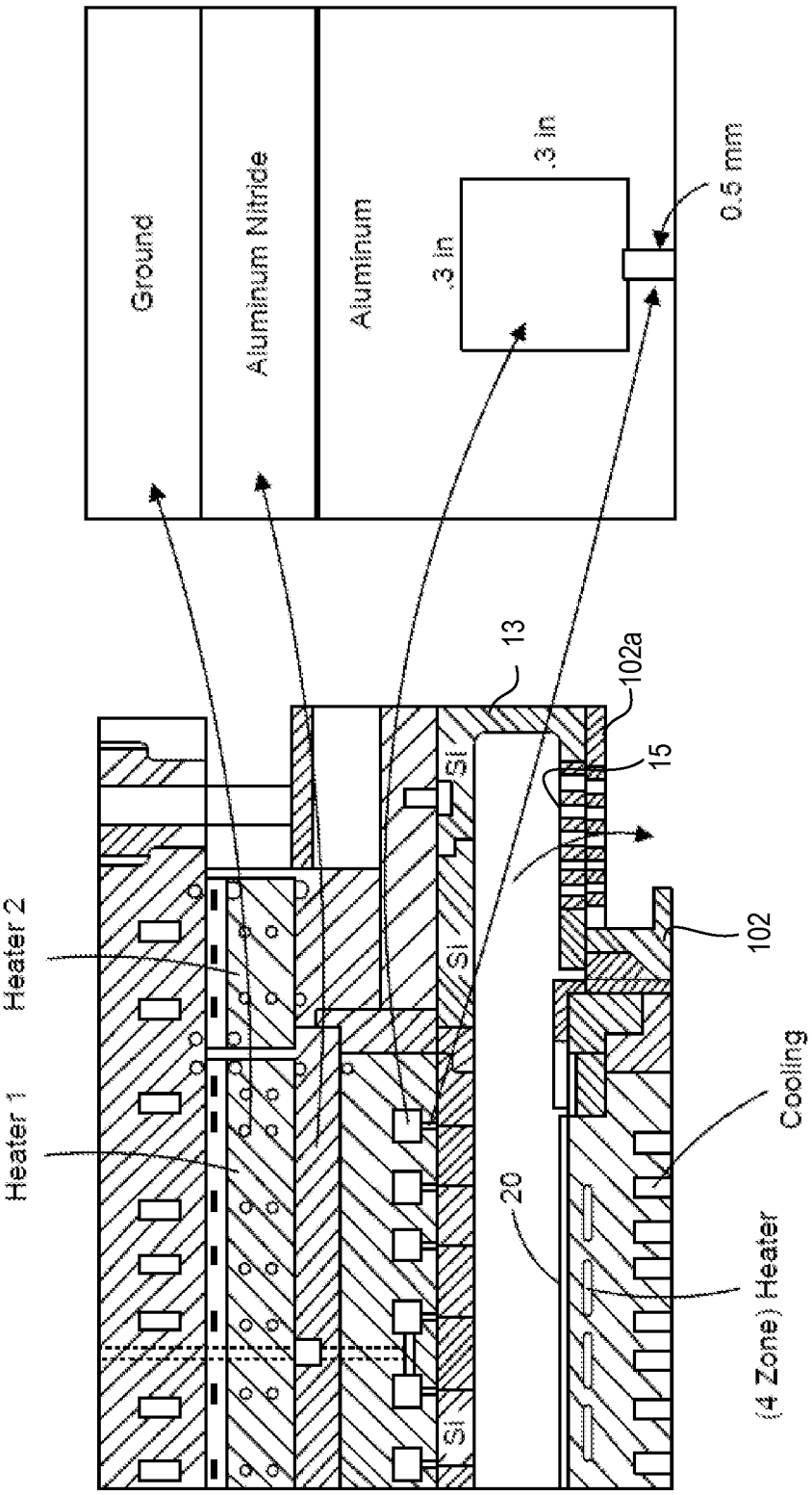

Ground
Aluminum Nitride
Aluminum
.3 in
.3 in
0.5 mm
13
102a
15
102
Cooling
(4 Zone) Heater
20
Heater 1
Heater 2
Si
Si
Si

Fig. 5