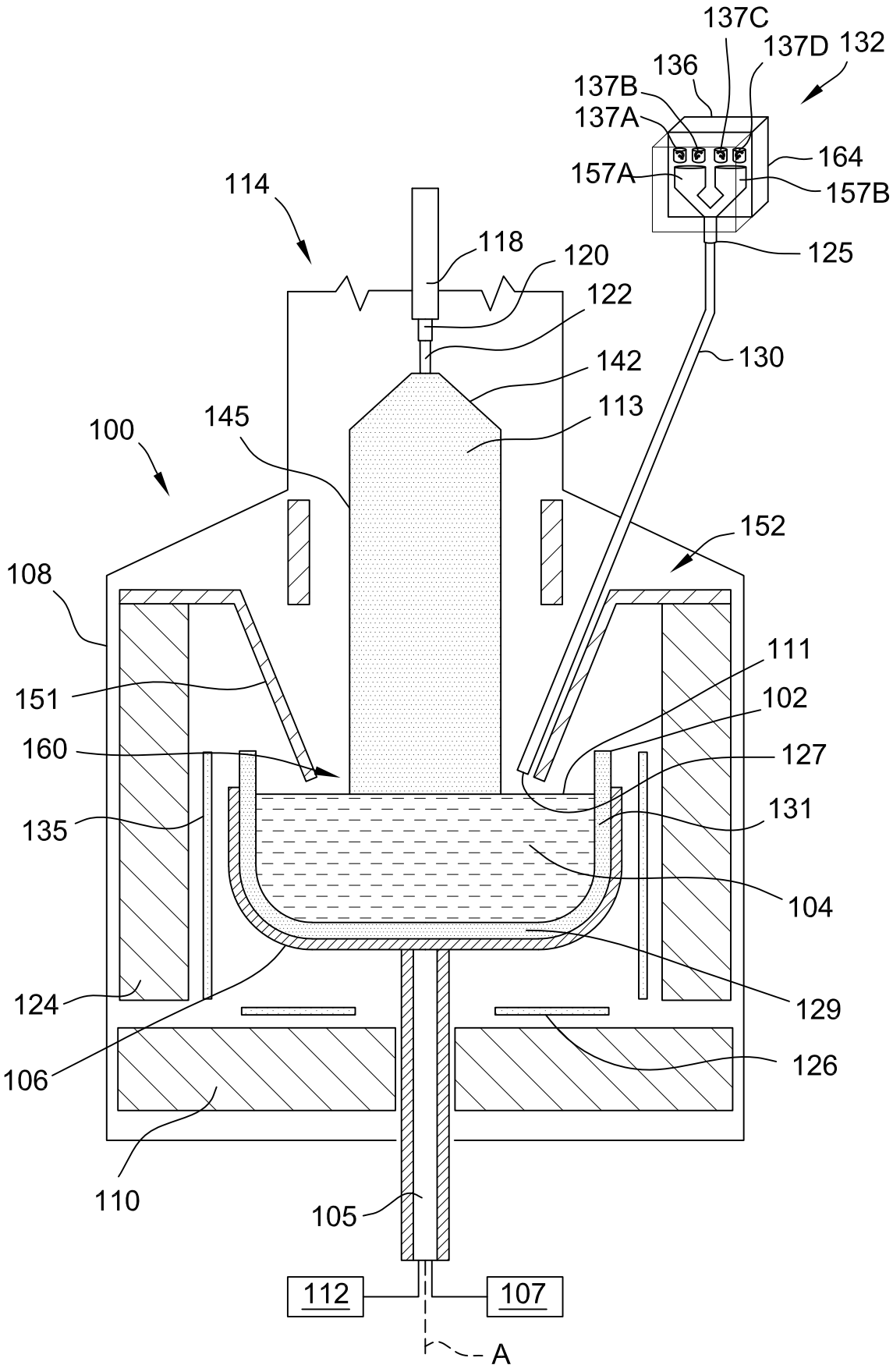

137C
137D
132
136
137B
137A
164
157A
157B
114
118
120
125
122
130
142
113
145
100
152
108
111
151
102
160
127
131
135
104
124
129
106
126
110
105
112
107
A

FIG. 1

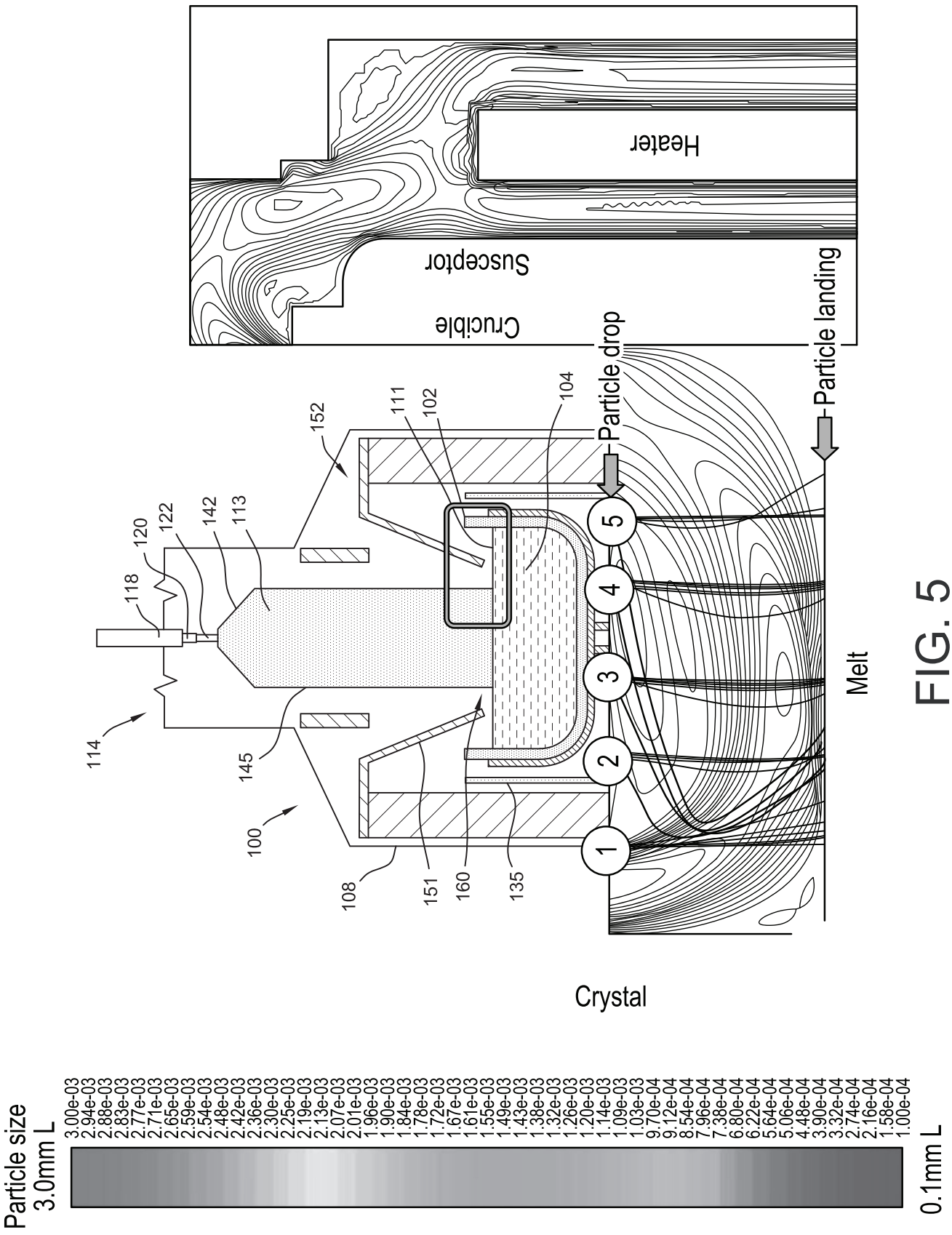

Particle size
3.0mm L
0.1mm L
3.00e-03
2.94e-03
2.88e-03
2.83e-03
2.77e-03
2.71e-03
2.65e-03
2.59e-03
2.54e-03
2.48e-03
2.42e-03
2.36e-03
2.30e-03
2.25e-03
2.19e-03
2.13e-03
2.07e-03
2.01e-03
1.96e-03
1.90e-03
1.84e-03
1.78e-03
1.72e-03
1.67e-03
1.61e-03
1.55e-03
1.49e-03
1.43e-03
1.38e-03
1.32e-03
1.26e-03
1.20e-03
1.14e-03
1.09e-03
1.03e-03
9.70e-04
9.12e-04
8.54e-04
7.96e-04
7.38e-04
6.80e-04
6.22e-04
5.64e-04
5.06e-04
4.48e-04
3.90e-04
3.32e-04
2.74e-04
2.16e-04
1.58e-04
1.00e-04
Heater
Susceptor
Crucible
Particle drop
Particle landing
Melt
Crystal
100
102
104
108
111
113
114
118
120
122
135
142
145
151
152
160
1
2
3
4
5

FIG. 5