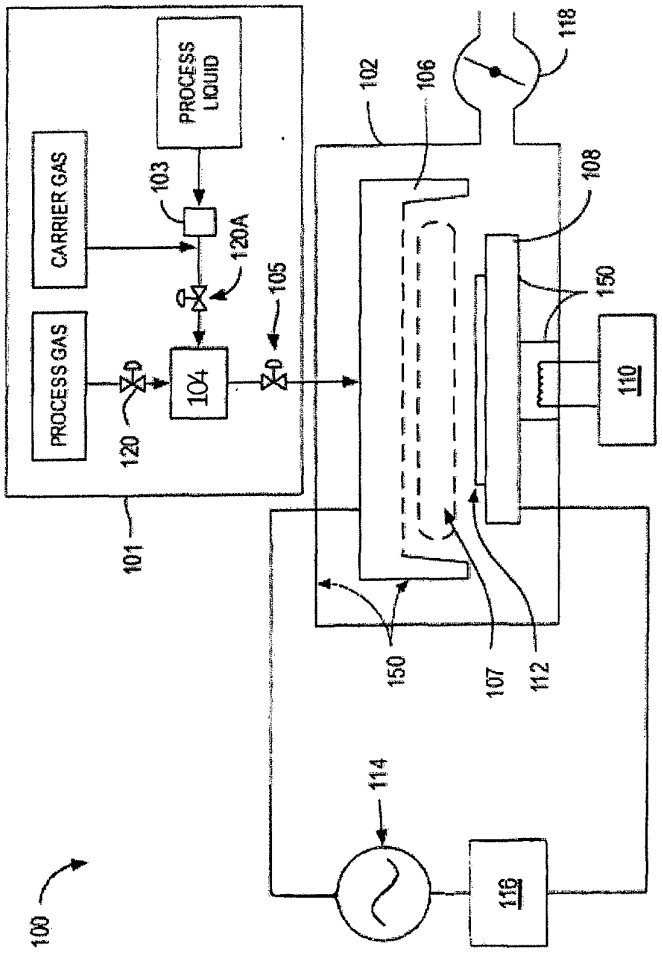

PROCESS LIQUID
CARRIER GAS
PROCESS GAS
103
120A
105
120
104
101
102
106
118
108
150
110
150
107
112
114
116
100

Figure 1

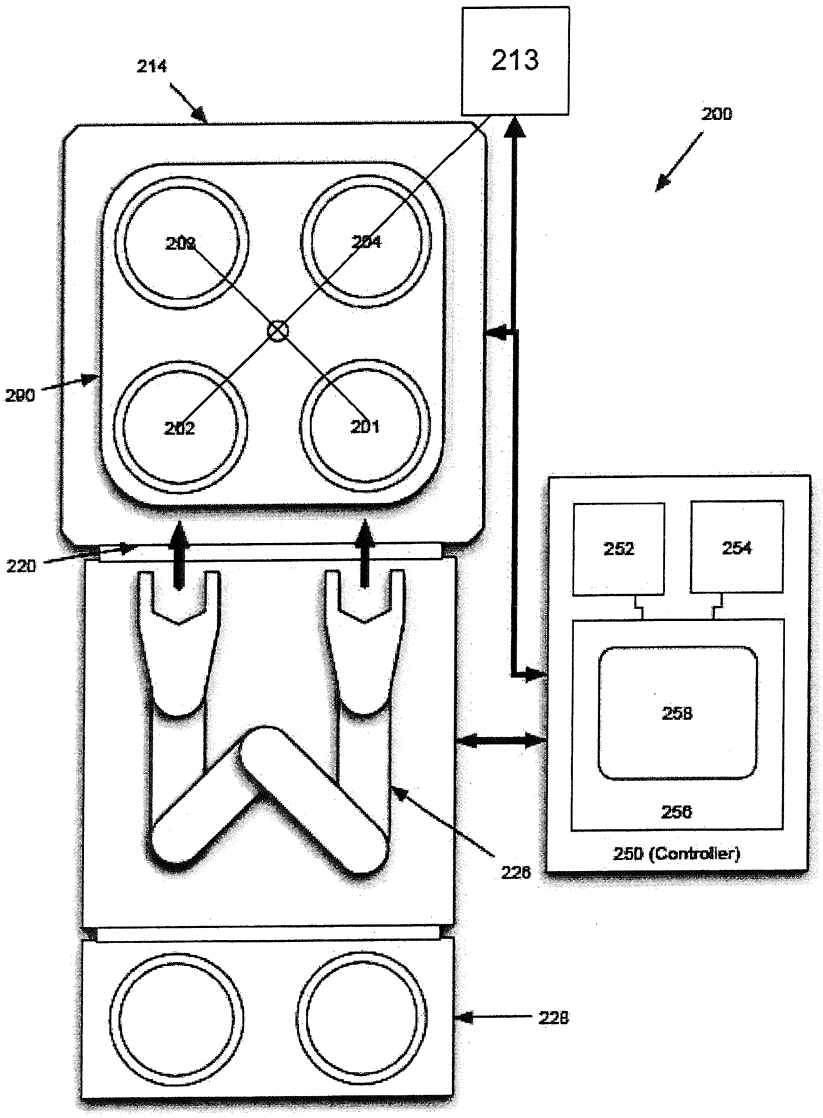

213
214
200
209
204
290
202
201
220
252
254
258
256
250 (Controller)
226
228

Figure 2

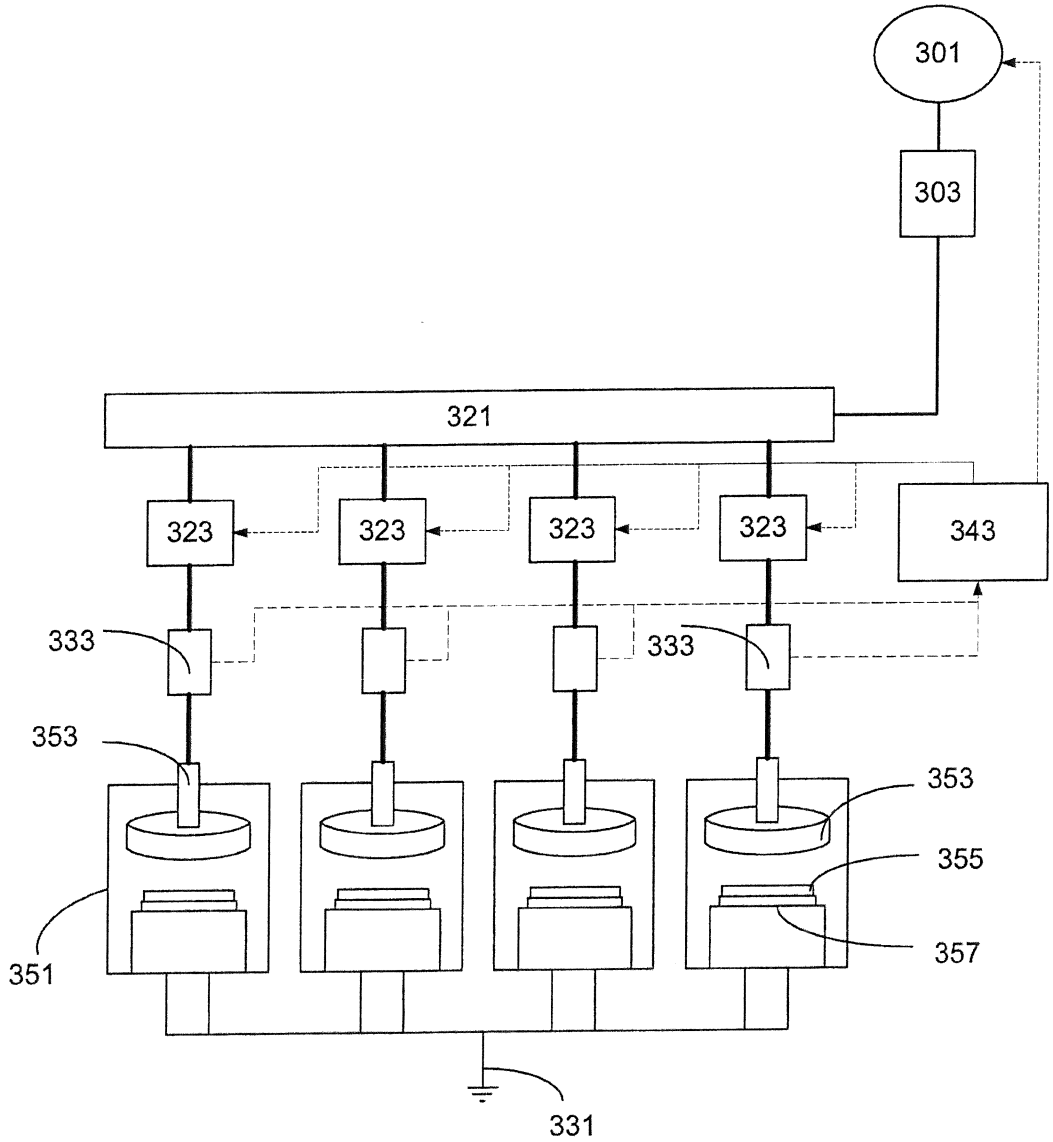


Figure 3

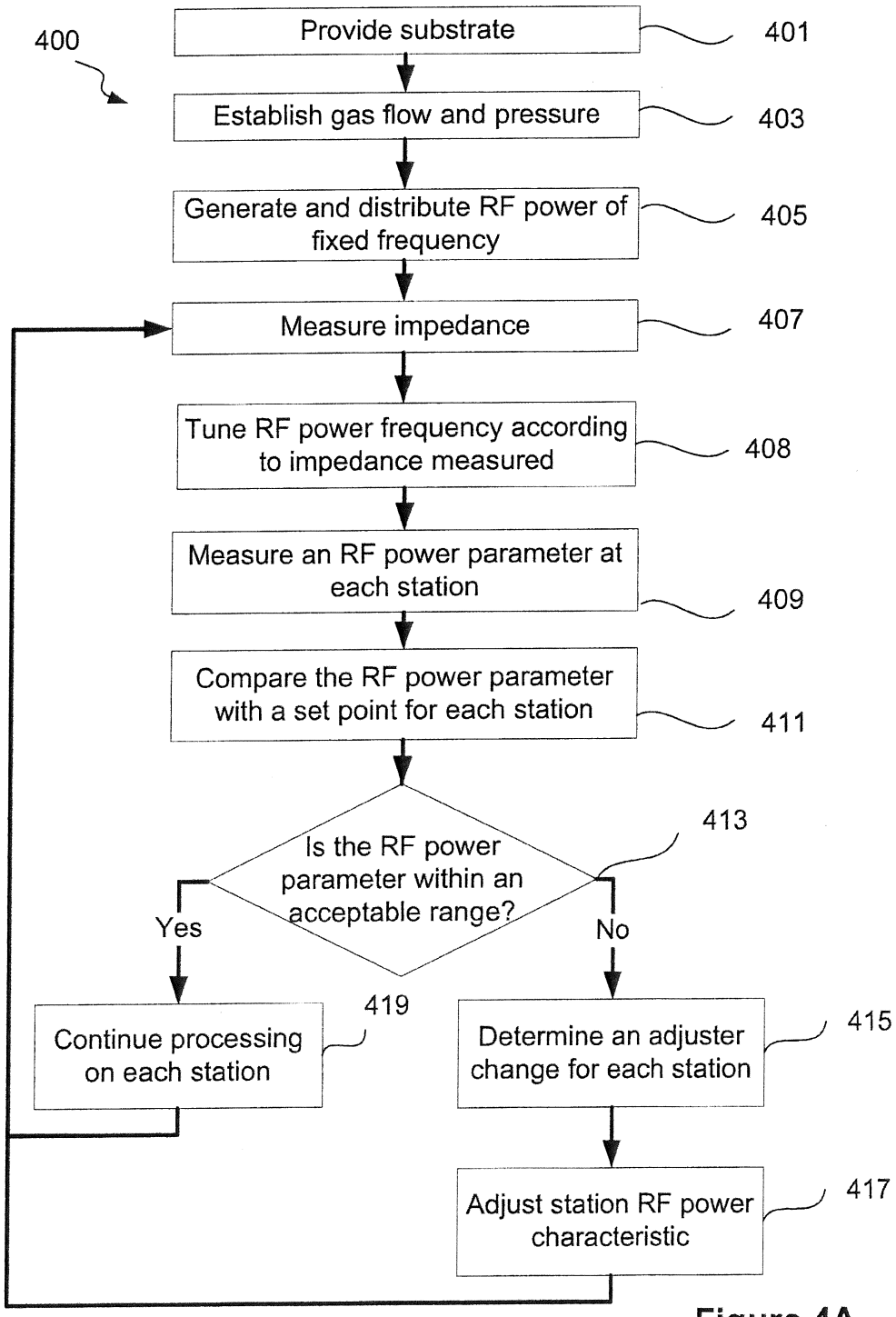

400
Provide substrate
401
Establish gas flow and pressure
403
Generate and distribute RF power of fixed frequency
405
Measure impedance
407
Tune RF power frequency according to impedance measured
408
Measure an RF power parameter at each station
409
Compare the RF power parameter with a set point for each station
411
Is the RF power parameter within an acceptable range?
413
Yes
No
Continue processing on each station
419
Determine an adjuster change for each station
415
Adjust station RF power characteristic
417

Figure 4A

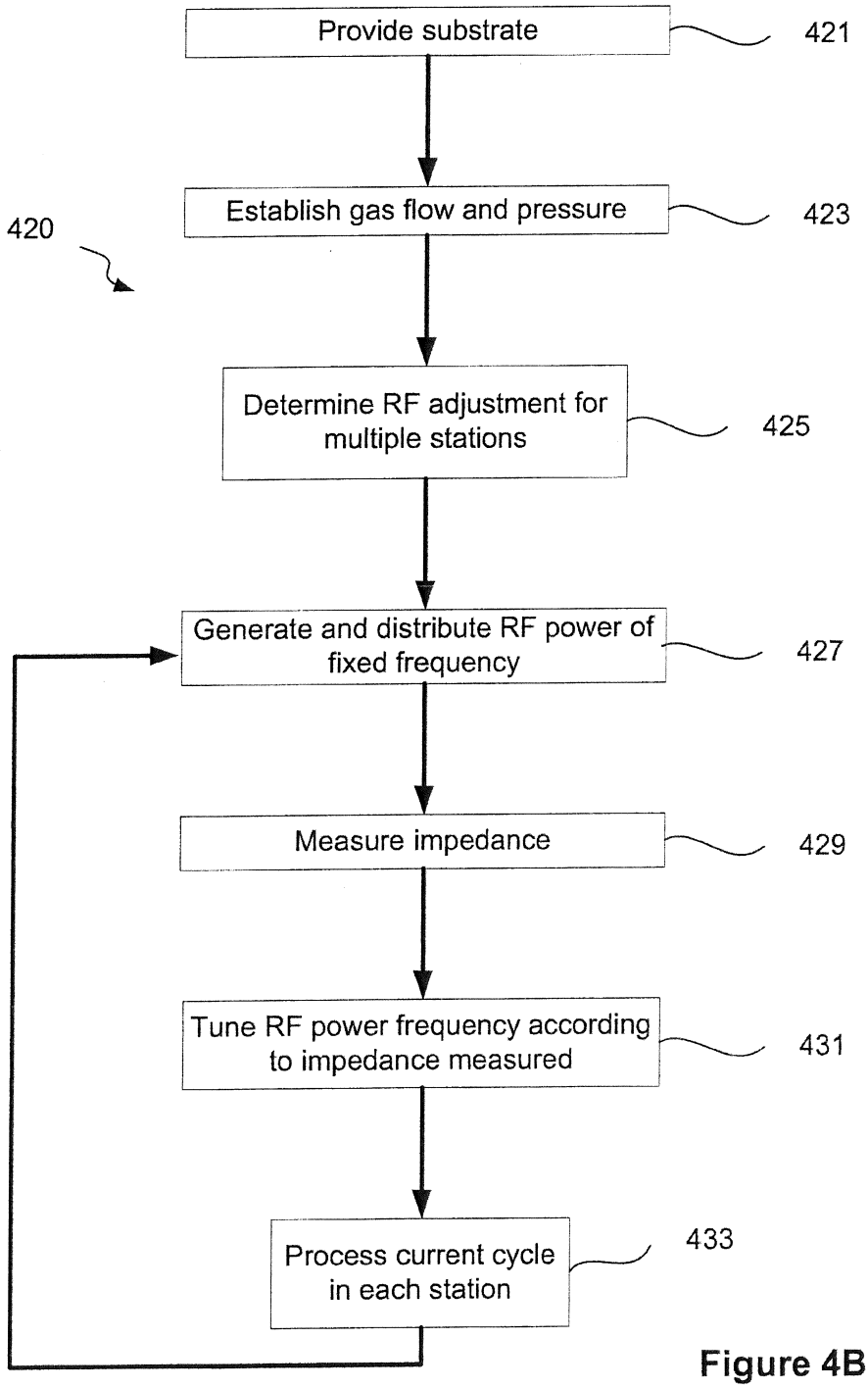

Provide substrate
421
Establish gas flow and pressure
423
420
Determine RF adjustment for multiple stations
425
Generate and distribute RF power of fixed frequency
427
Measure impedance
429
Tune RF power frequency according to impedance measured
431
Process current cycle in each station
433

Figure 4B