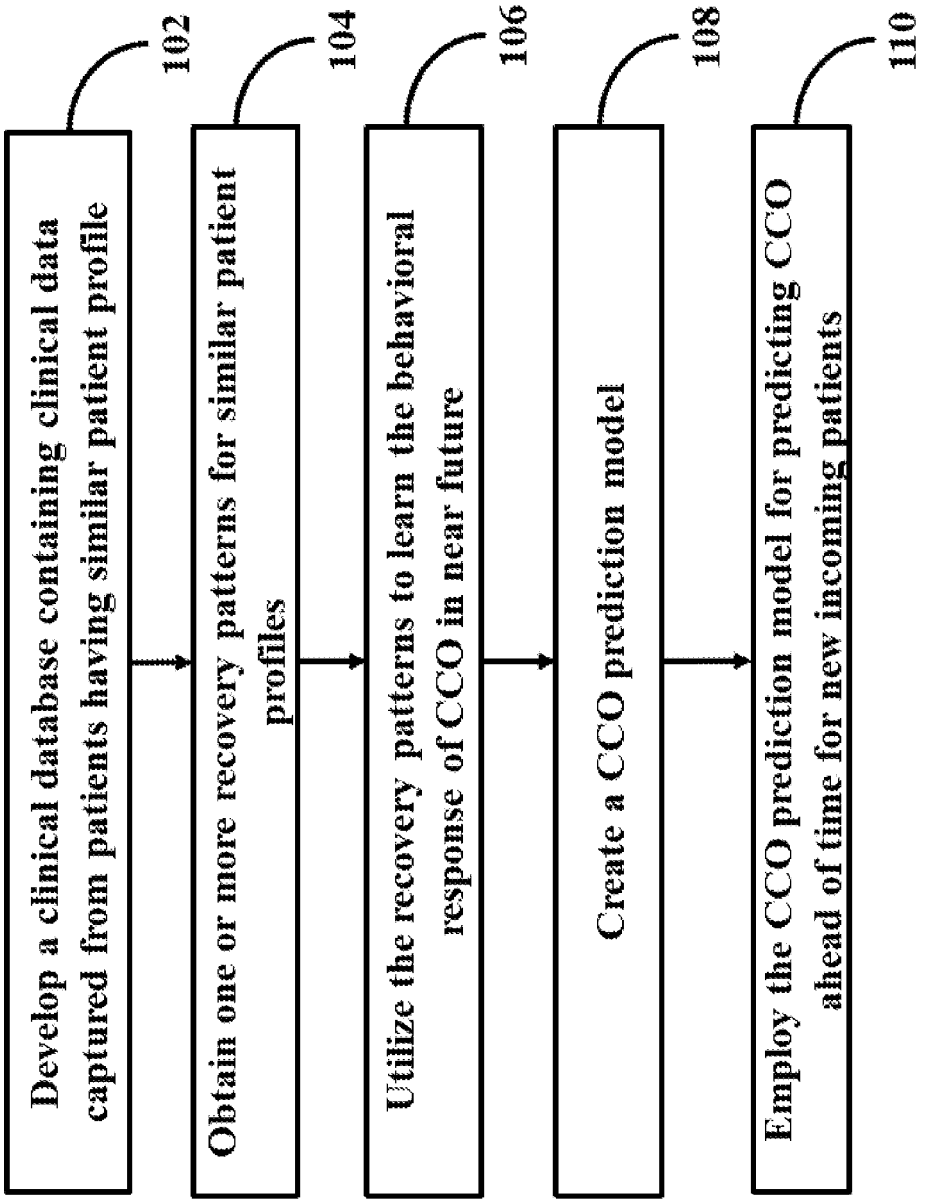

Develop a clinical database containing clinical data captured from patients having similar patient profile
102
Obtain one or more recovery patterns for similar patient profiles
104
Utilize the recovery patterns to learn the behavioral response of CCO in near future
106
Create a CCO prediction model
108
Employ the CCO prediction model for predicting CCO ahead of time for new incoming patients
110

FIG. 1

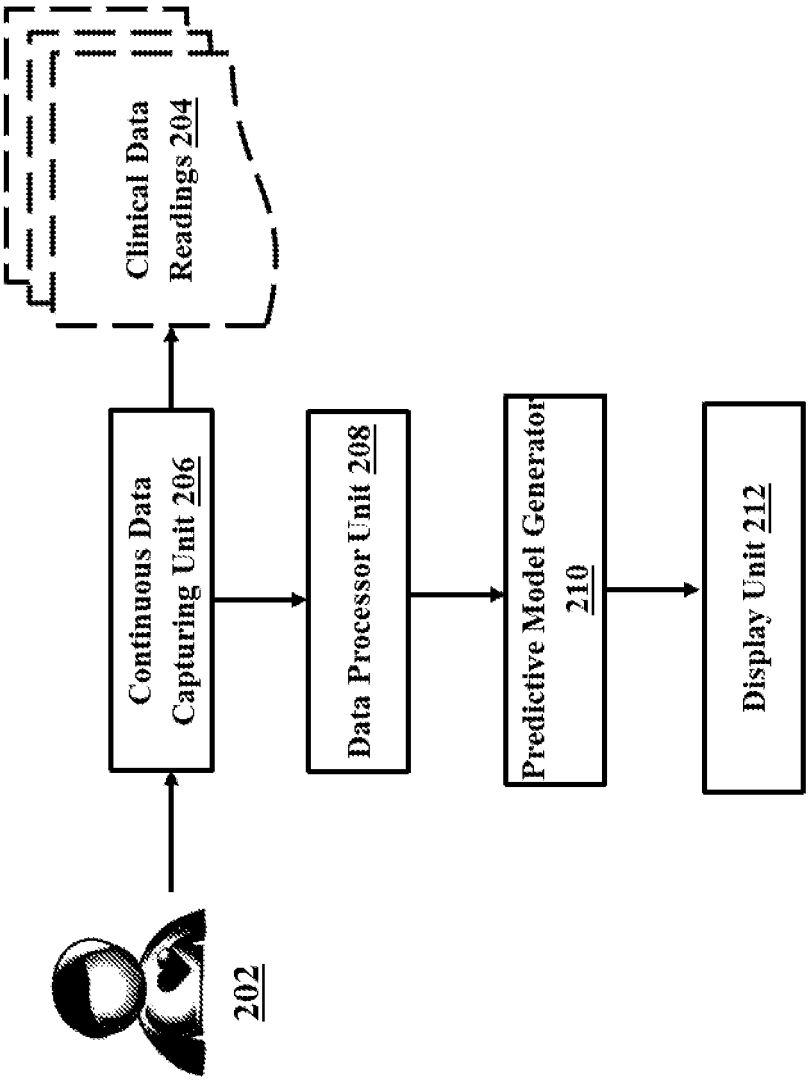

Clinical Data Readings 204
Continuous Data Capturing Unit 206
Data Processor Unit 208
Predictive Model Generator 210
Display Unit 212
202

FIG. 2

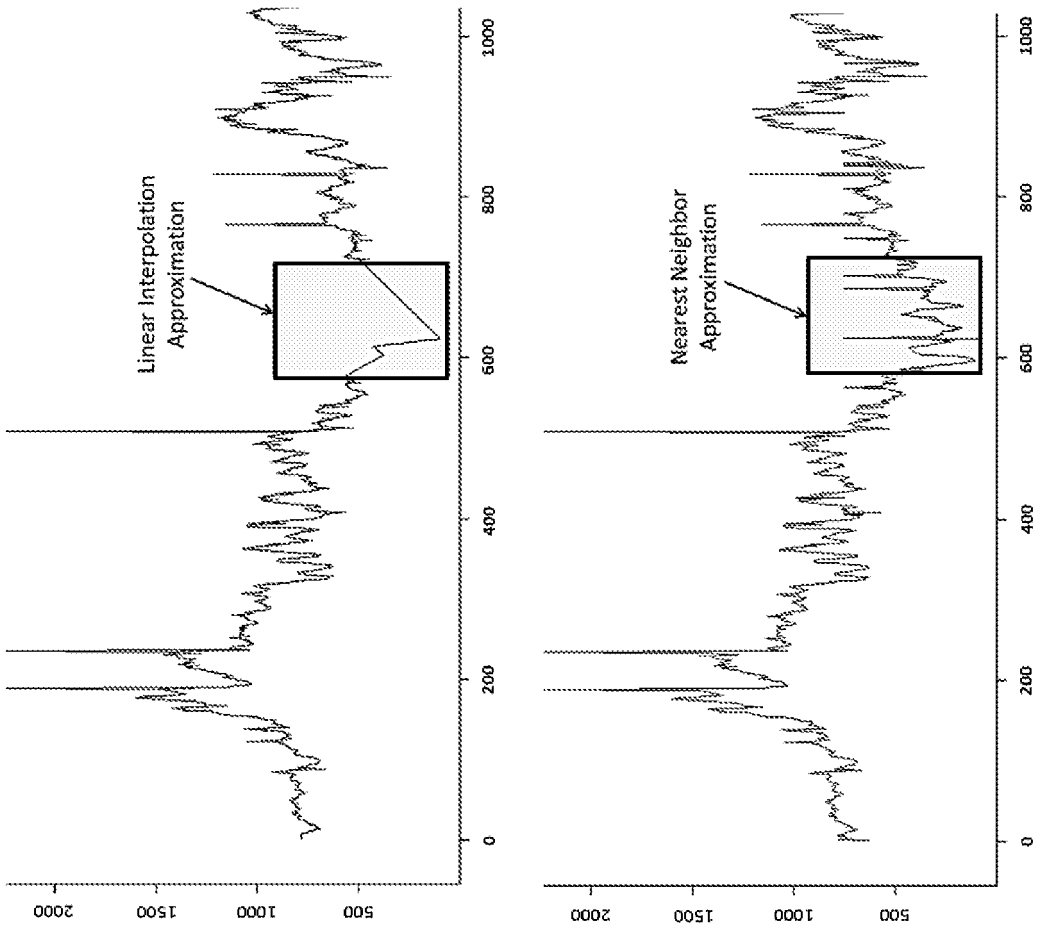

Linear Interpolation
Approximation
Nearest Neighbor
Approximation
0
200
400
600
800
1000
500
1000
1500
2000

FIG. 3

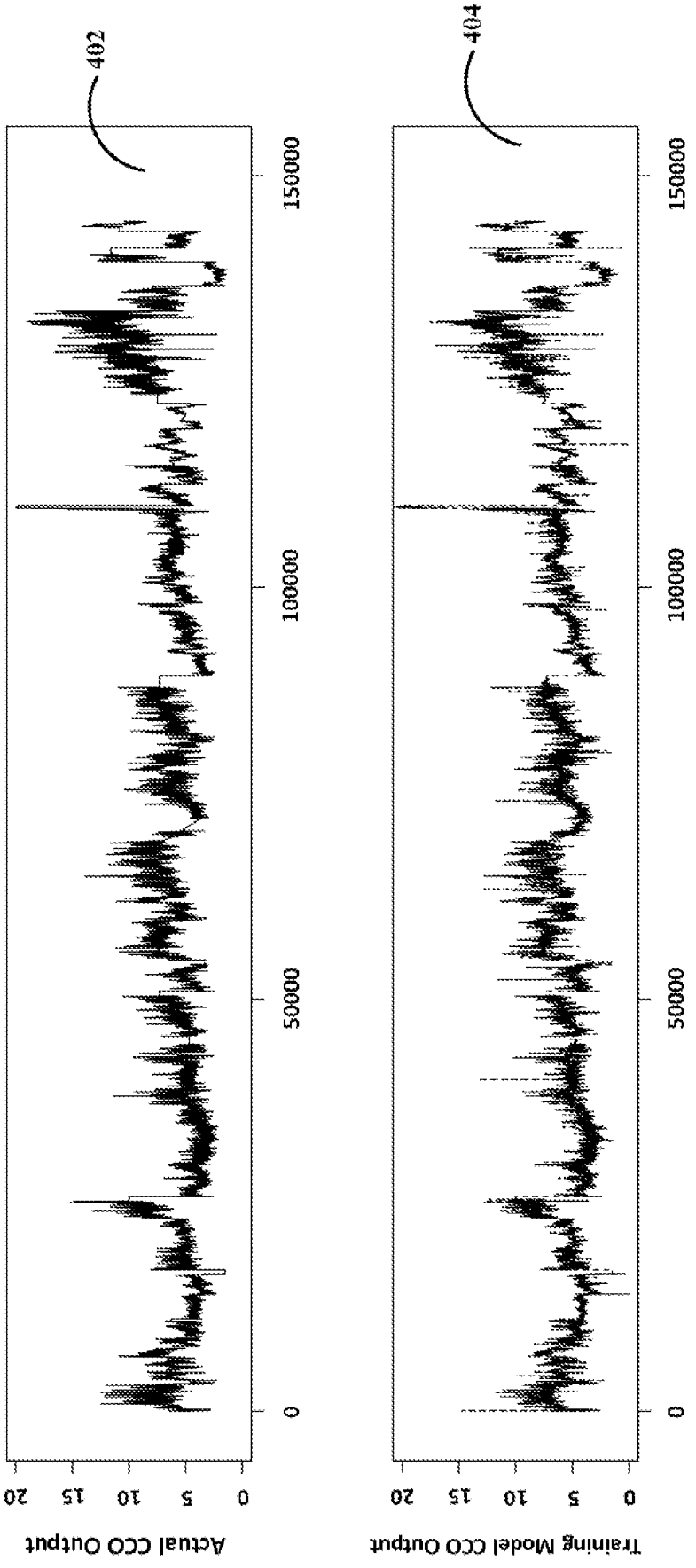

402
404
Actual CCO Output
Training Model CCO Output
0
5
10
15
20
0
50000
100000
150000

FIG. 4

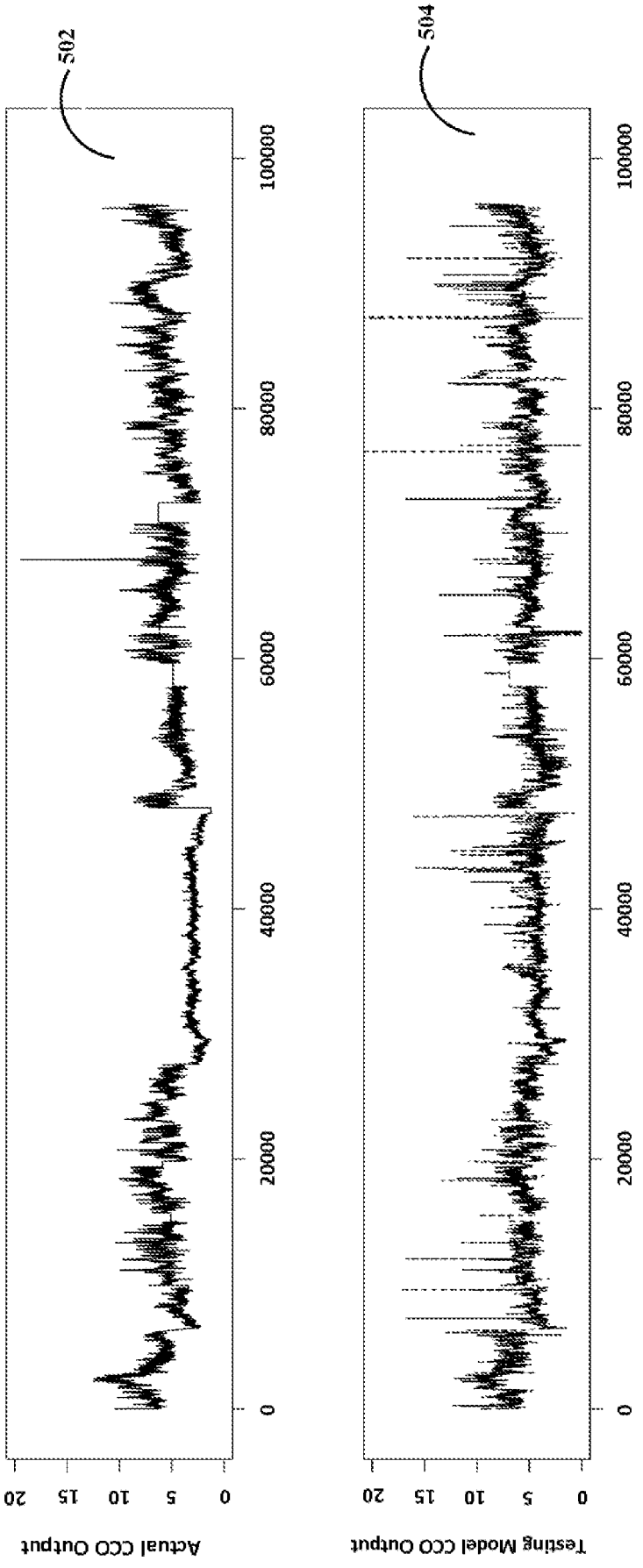

502
504
Actual CCO Output
Testing Model CCO Output
0
5
10
15
20
0
20000
40000
60000
80000
100000

FIG. 5

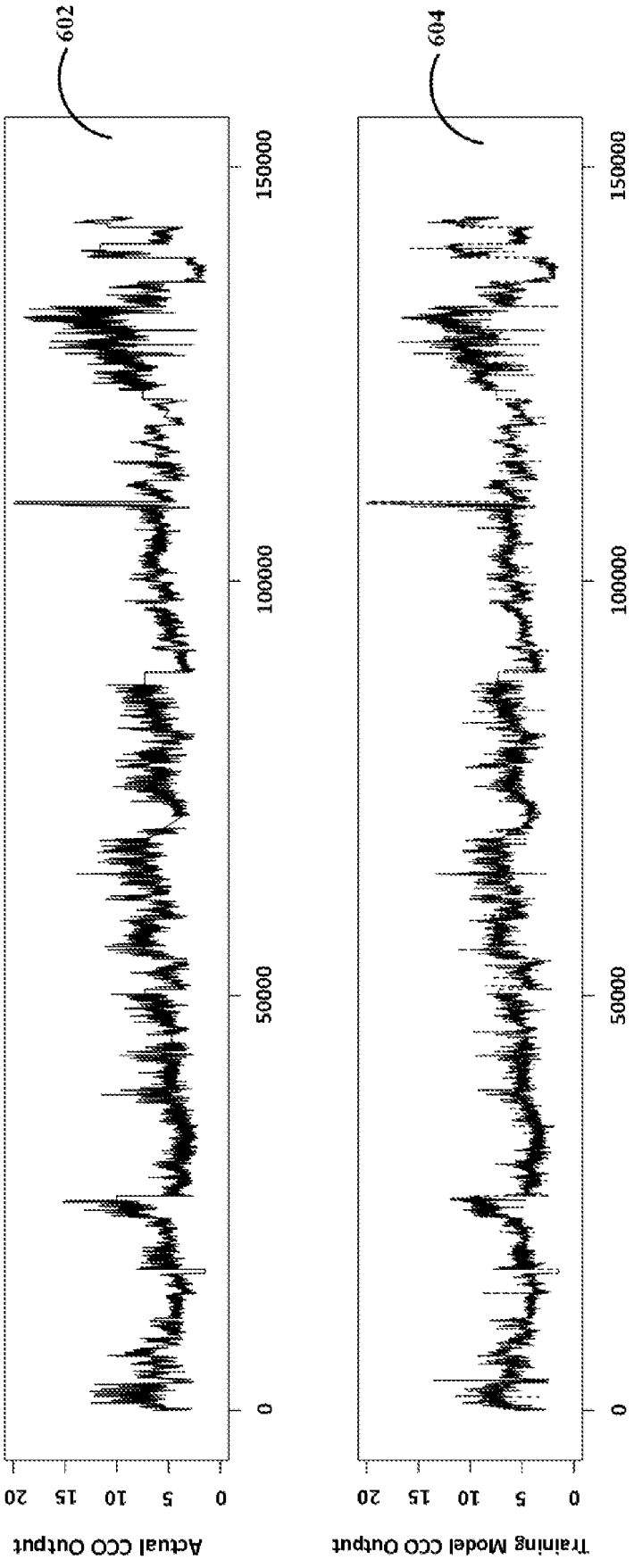

602
604
Actual CCO Output
Training Model CCO Output
0
5
10
15
20
0
50000
100000
150000

FIG. 6

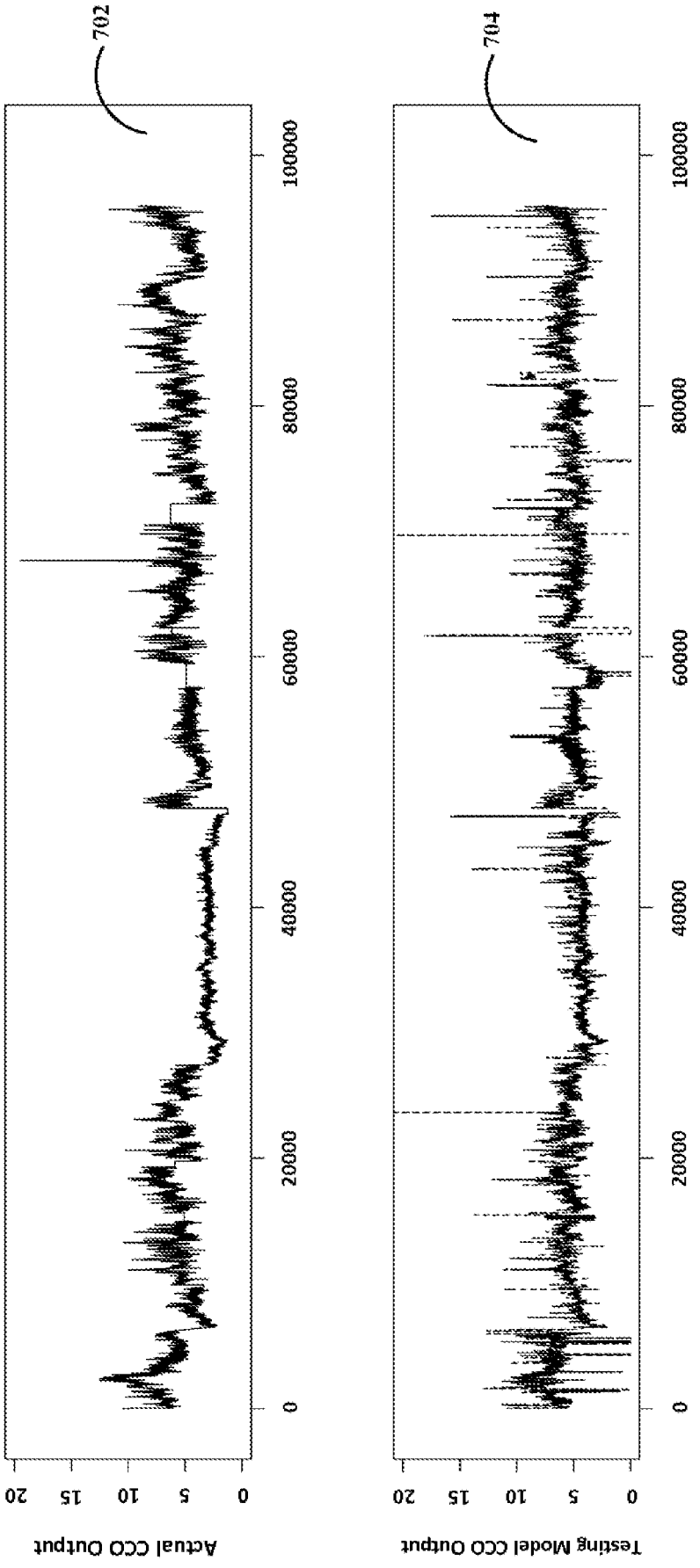

702
704
Actual CCO Output
Testing Model CCO Output
0
5
10
15
20
0
20000
40000
60000
80000
100000

FIG. 7

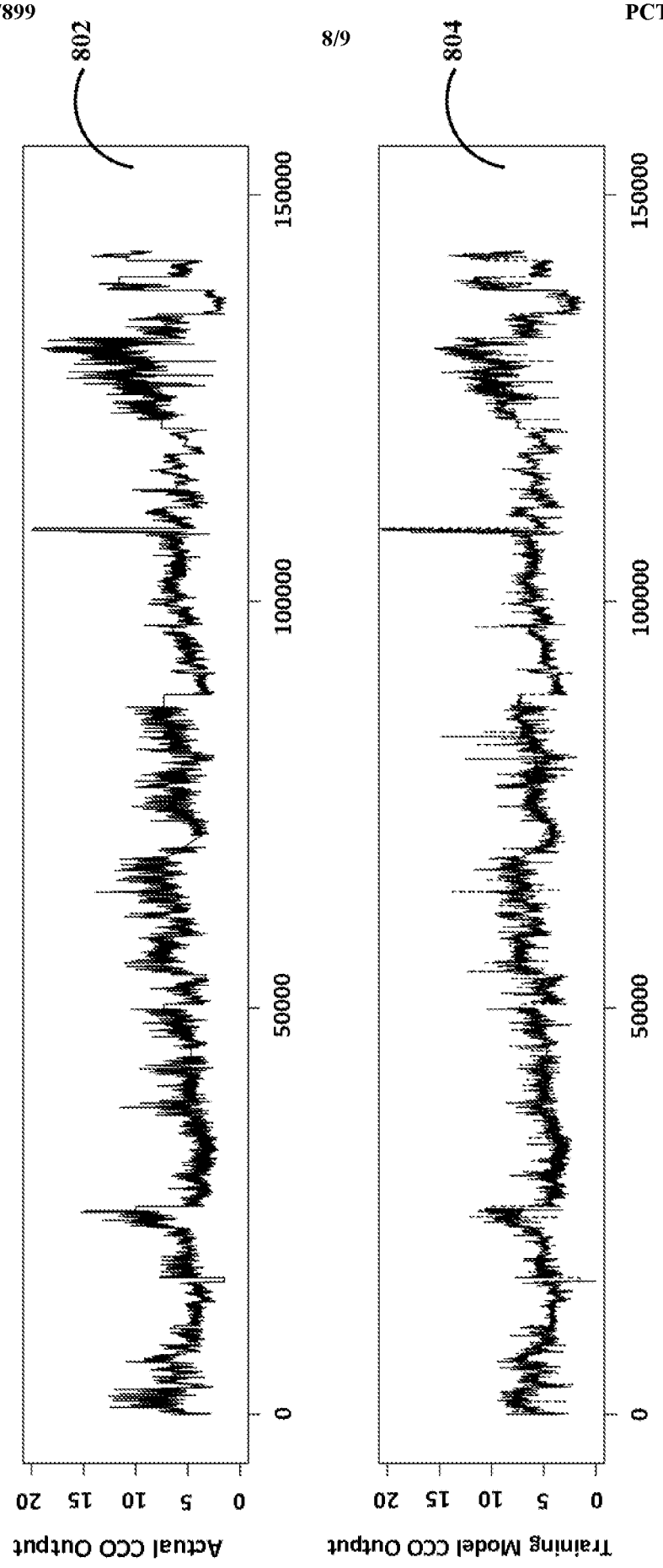

802
804
Actual CCO Output
Training Model CCO Output
0
5
10
15
20
0
50000
100000
150000

FIG. 8

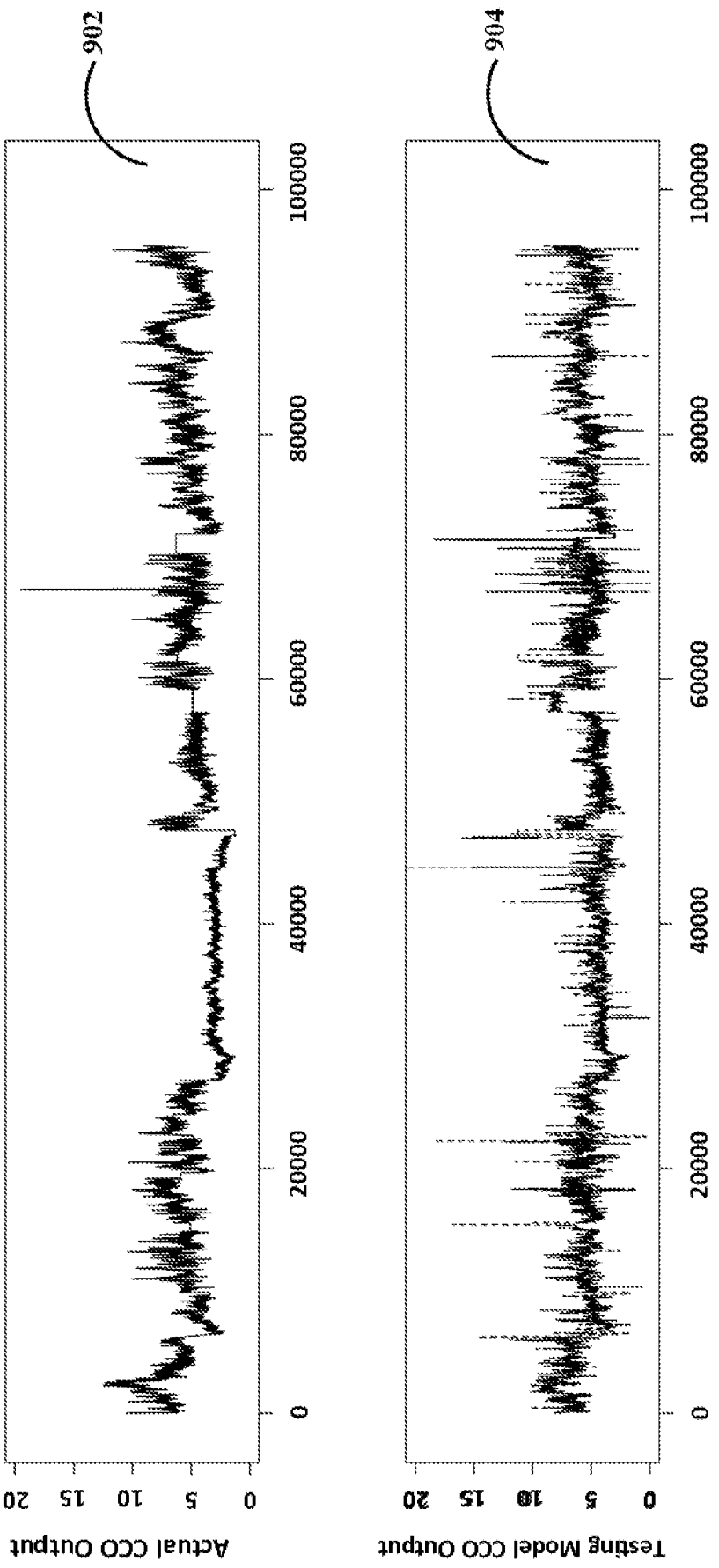

902
904
Actual CCO Output
Testing Model CCO Output
0
5
10
15
20
0
20000
40000
60000
80000
100000

FIG. 9