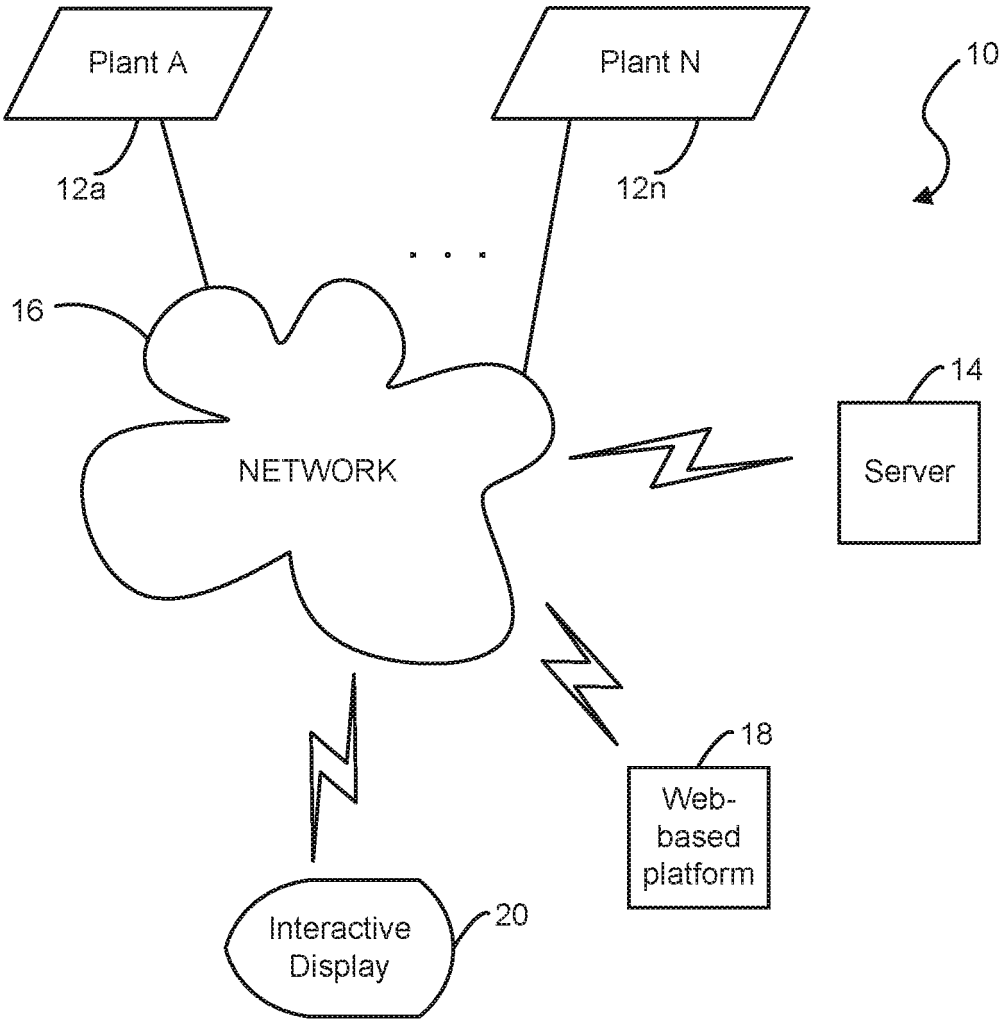

Plant A
Plant N
10
12a
12n
16
NETWORK
14
Server
18
Web-based platform
Interactive Display
20

FIG. 1

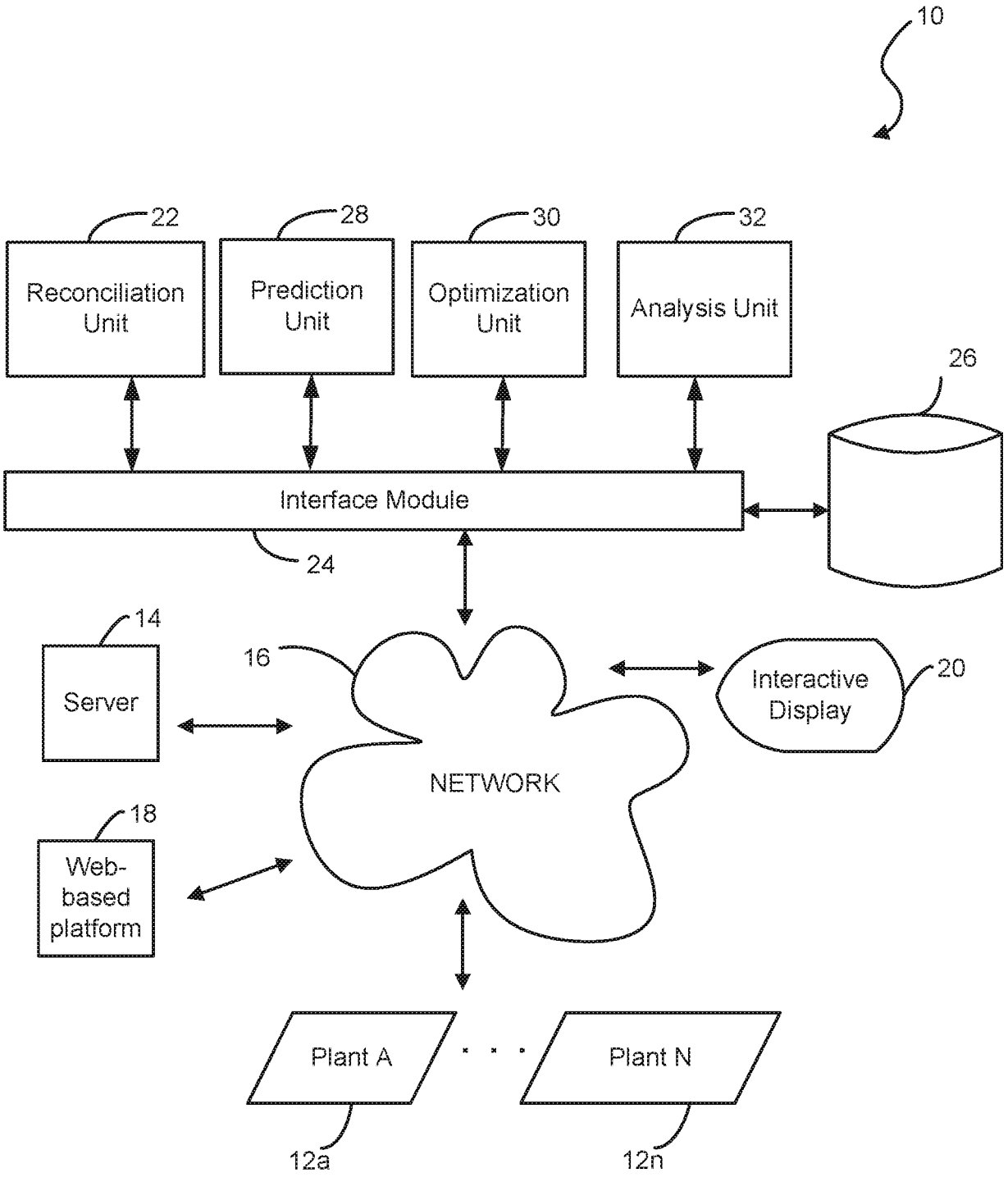

10
22
Reconciliation Unit
28
Prediction Unit
30
Optimization Unit
32
Analysis Unit
26
Interface Module
24
14
Server
16
NETWORK
Interactive Display
20
18
Web-based platform
Plant A
Plant N
12a
12n

FIG. 2

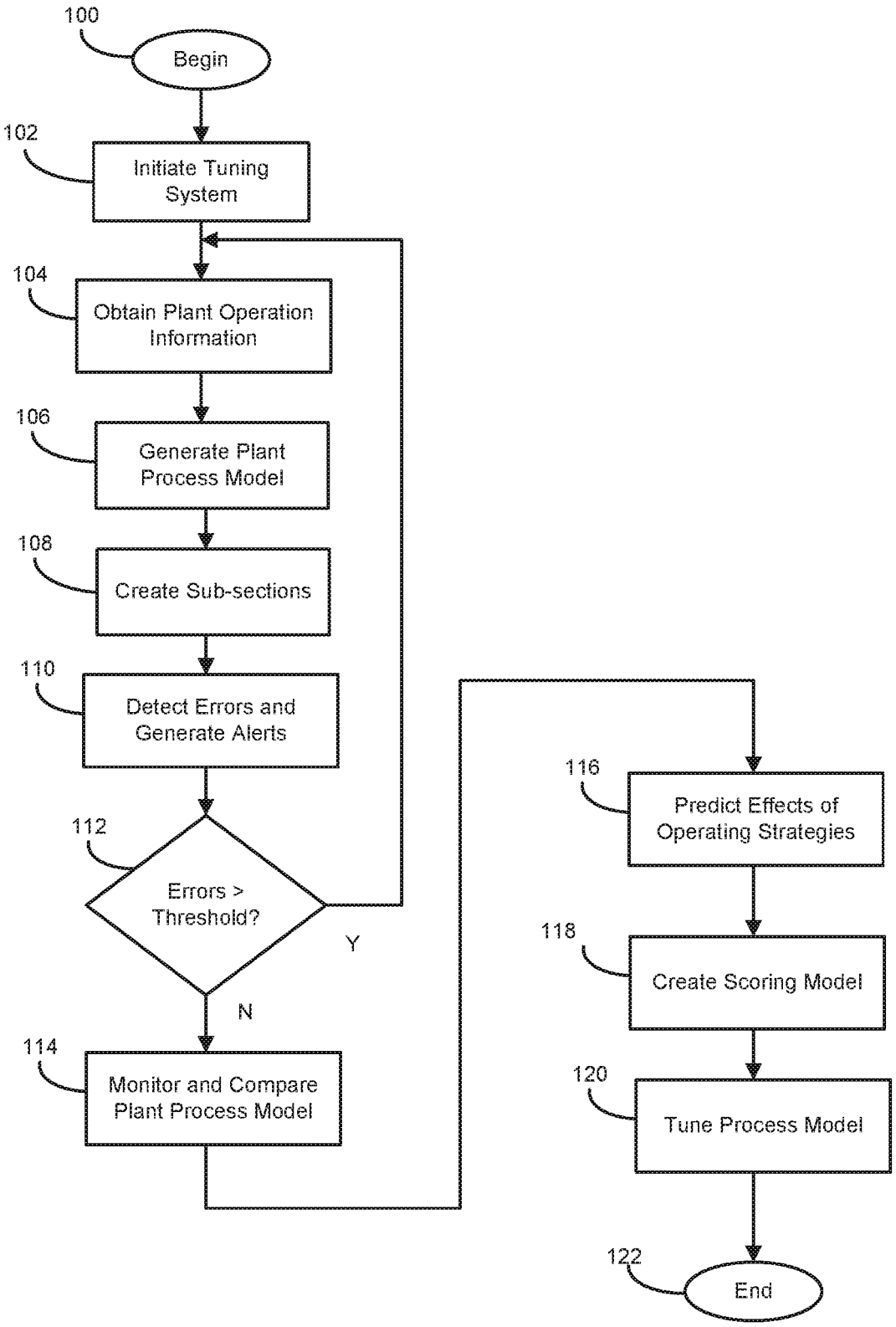

100
Begin
102
Initiate Tuning System
104
Obtain Plant Operation Information
106
Generate Plant Process Model
108
Create Sub-sections
110
Detect Errors and Generate Alerts
112
Errors > Threshold?
Y
N
114
Monitor and Compare Plant Process Model
116
Predict Effects of Operating Strategies
118
Create Scoring Model
120
Tune Process Model
122
End

FIG. 3