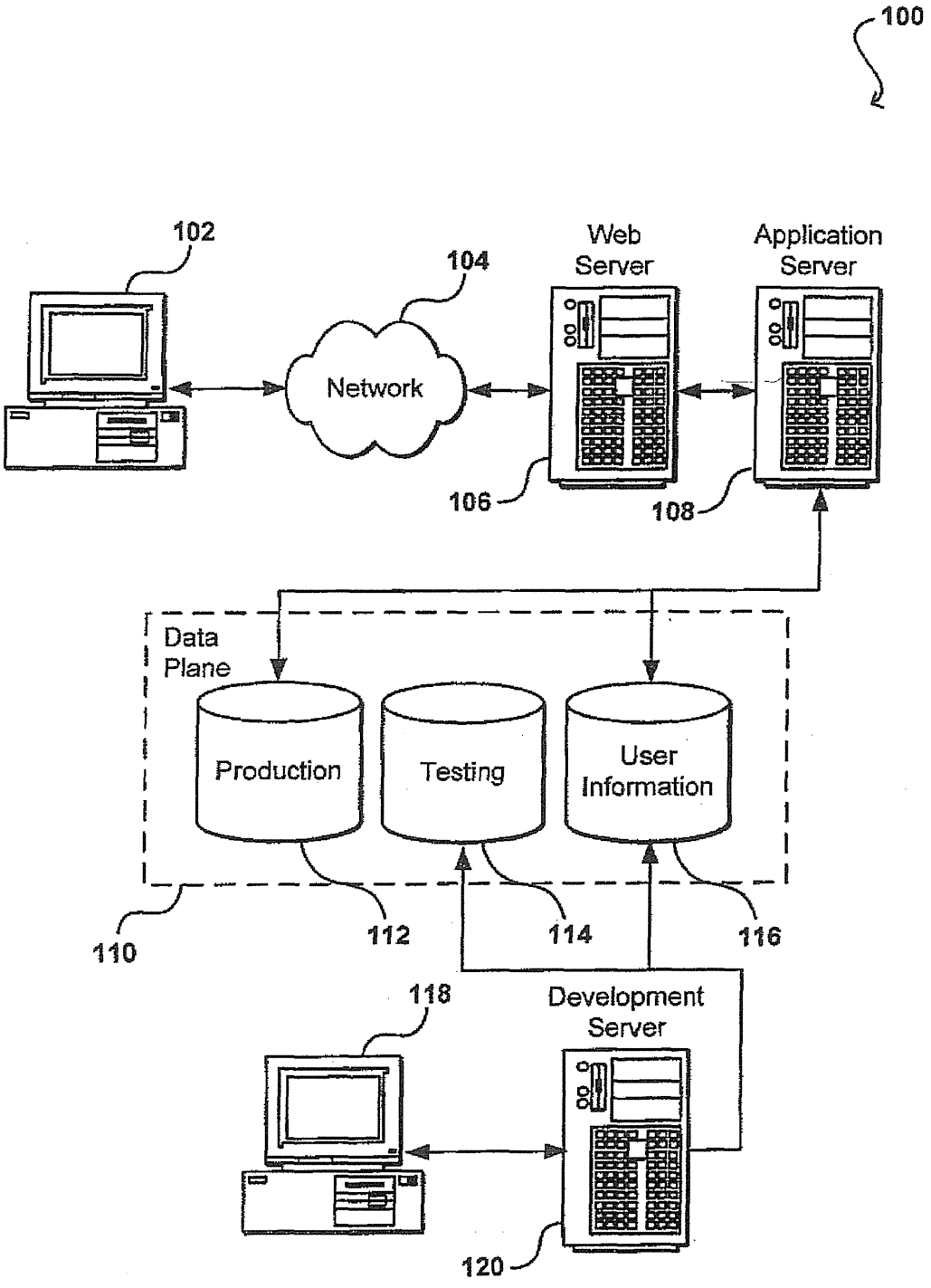
100
102
104
Web Server
Application Server
Network
106
108
Data Plane
Production
Testing
User Information
110
112
114
116
118
Development Server
120

FIG. 1

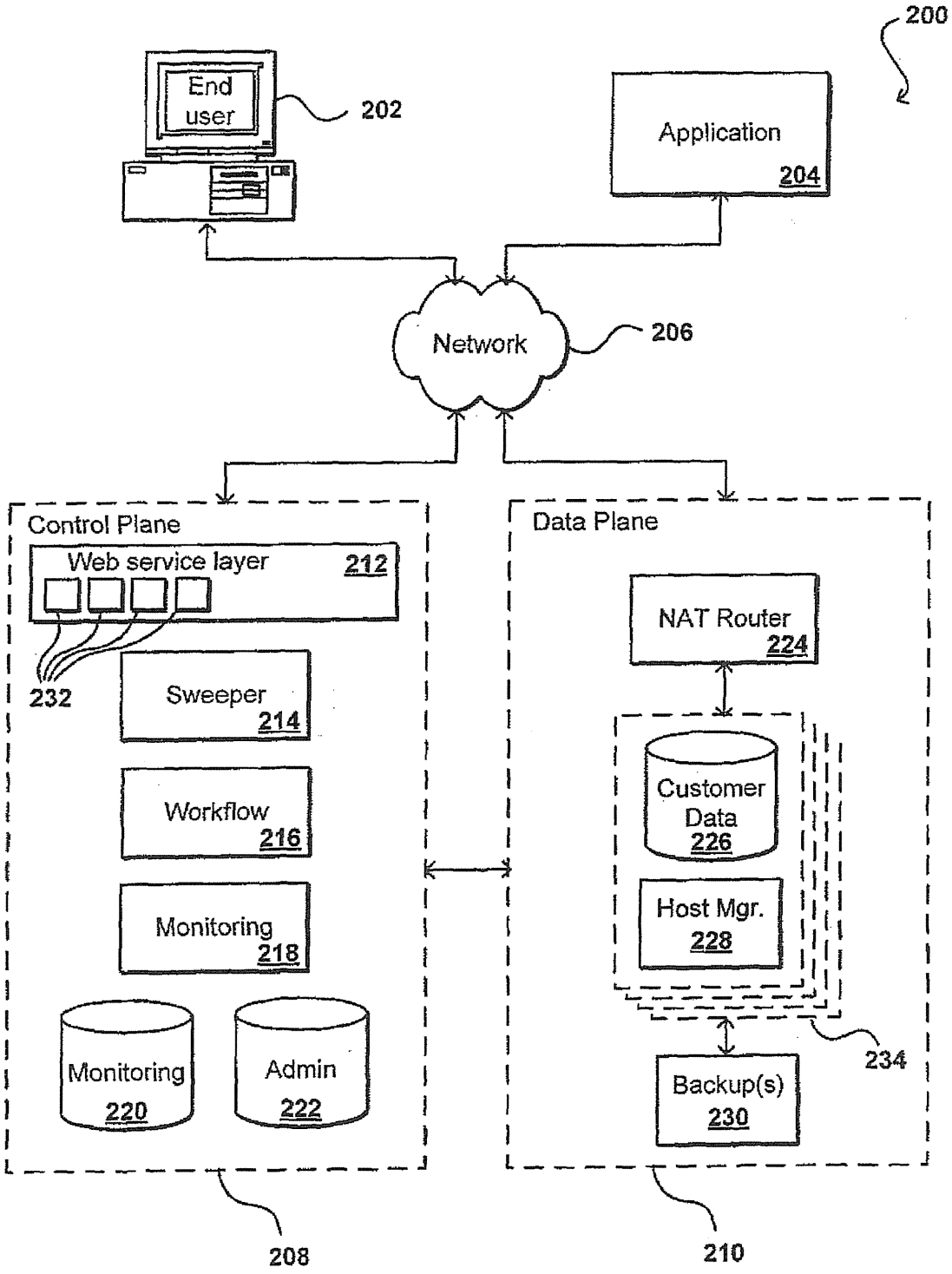
200
End user
202
Application
204
Network
206
Control Plane
Web service layer
212
232
Sweeper
214
Workflow
216
Monitoring
218
Monitoring
220
Admin
222
208
Data Plane
NAT Router
224
Customer Data
226
Host Mgr.
228
234
Backup(s)
230
210

FIG. 2

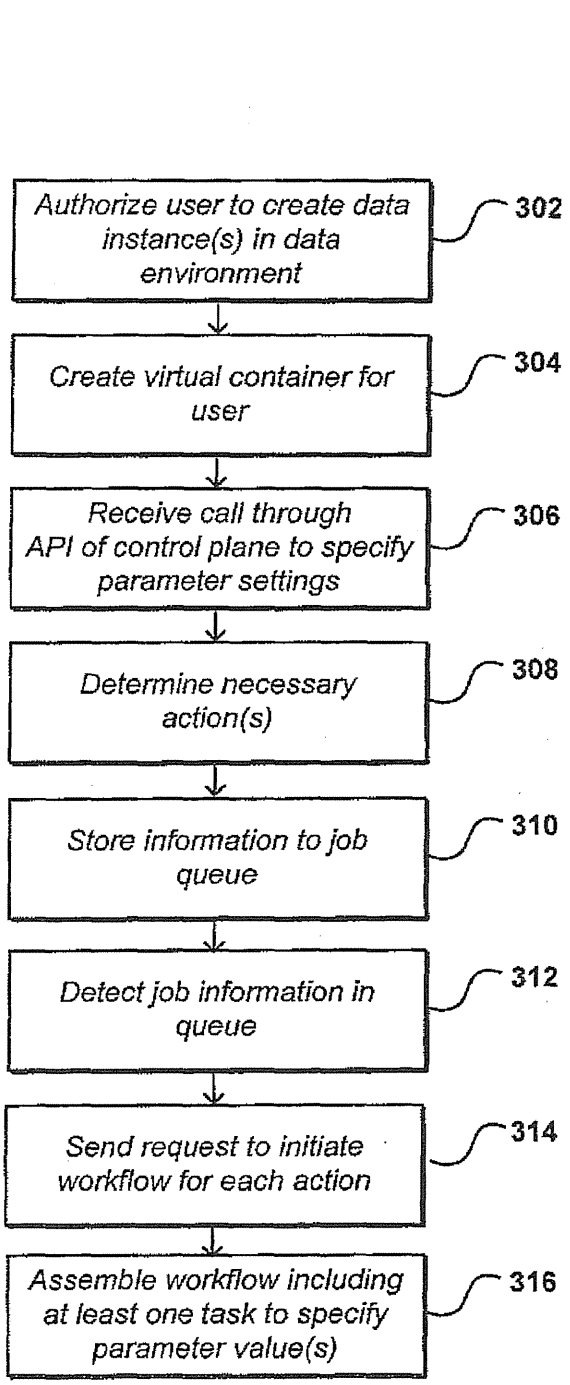
300
Authorize user to create data instance(s) in data environment
302
Create virtual container for user
304
Receive call through API of control plane to specify parameter settings
306
Determine necessary action(s)
308
Store information to job queue
310
Detect job information in queue
312
Send request to initiate workflow for each action
314
Assemble workflow including at least one task to specify parameter value(s)
316

FIG. 3

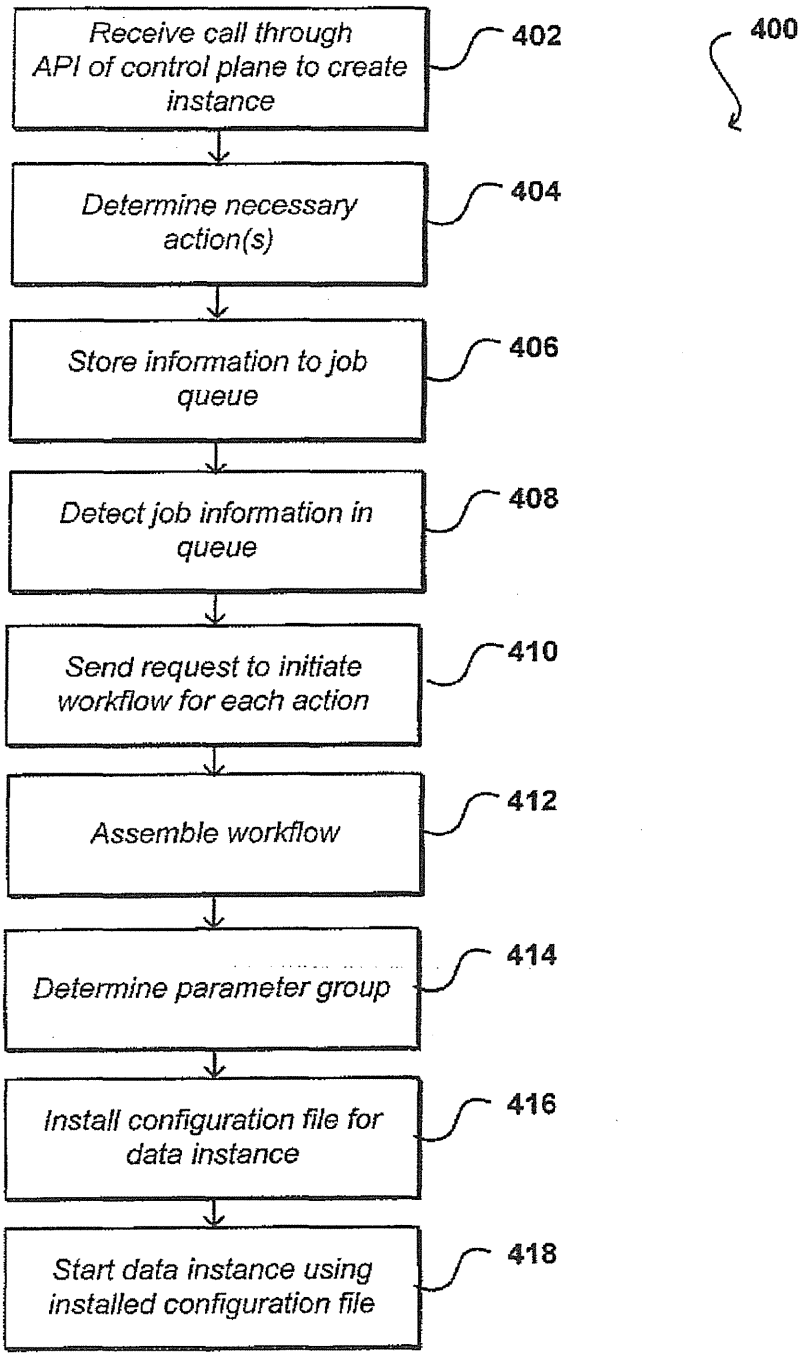
Receive call through API of control plane to create instance
402
400
Determine necessary action(s)
404
Store information to job queue
406
Detect job information in queue
408
Send request to initiate workflow for each action
410
Assemble workflow
412
Determine parameter group
414
Install configuration file for data instance
416
Start data instance using installed configuration file
418

FIG. 4

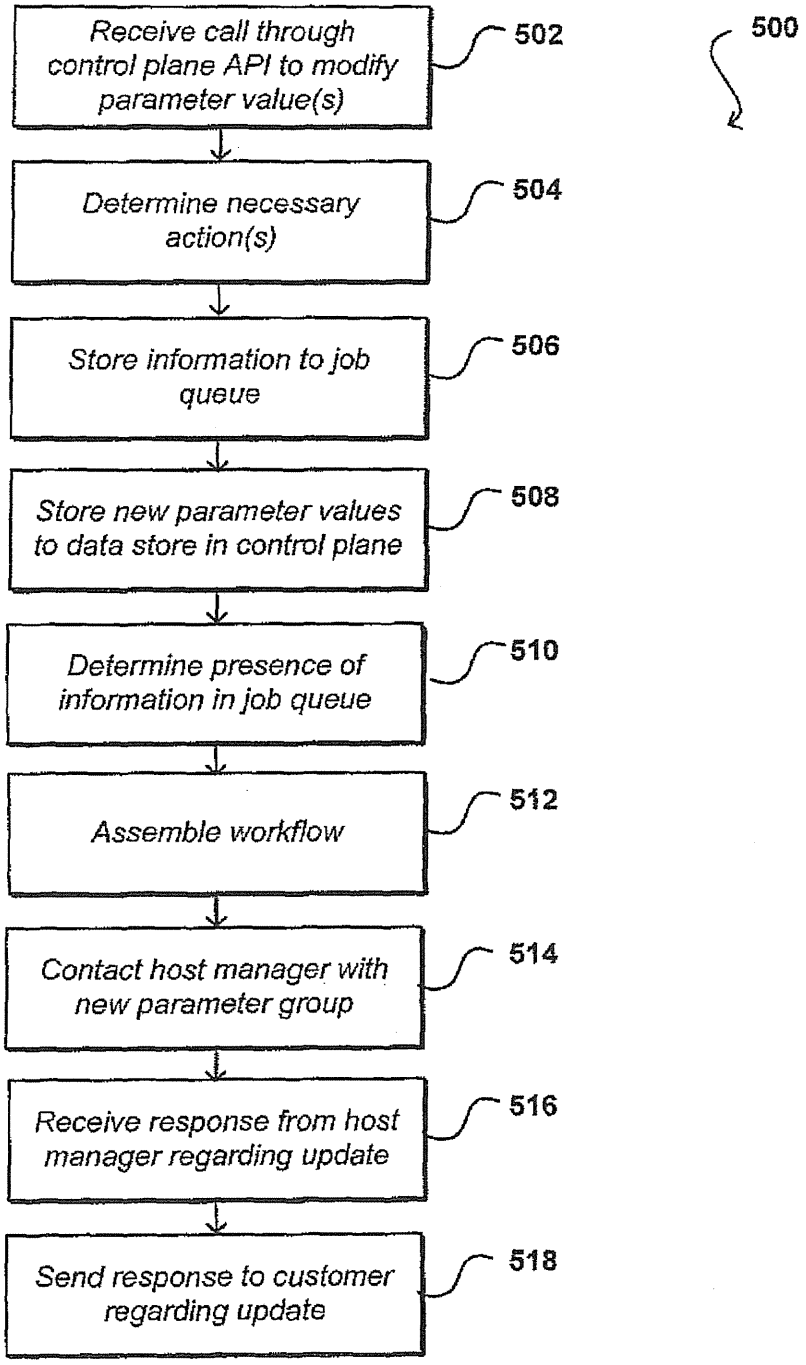
Receive call through control plane API to modify parameter value(s)
502
500
Determine necessary action(s)
504
Store information to job queue
506
Store new parameter values to data store in control plane
508
Determine presence of information in job queue
510
Assemble workflow
512
Contact host manager with new parameter group
514
Receive response from host manager regarding update
516
Send response to customer regarding update
518

FIG. 5

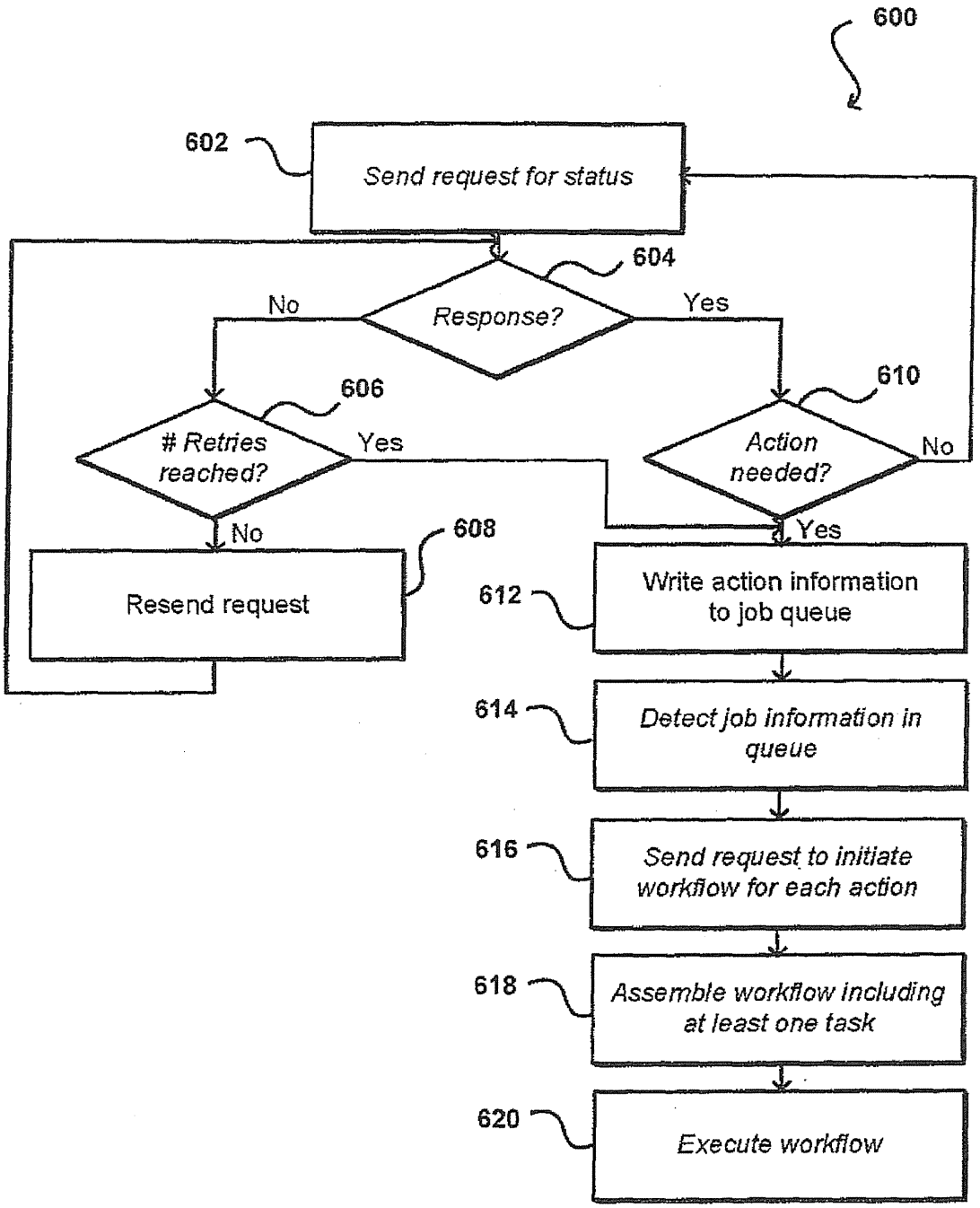
600
602
Send request for status
604
Response?
No
Yes
606
Retries reached?
Yes
No
608
Resend request
610
Action needed?
No
Yes
612
Write action information to job queue
614
Detect job information in queue
616
Send request to initiate workflow for each action
618
Assemble workflow including at least one task
620
Execute workflow

FIG. 6