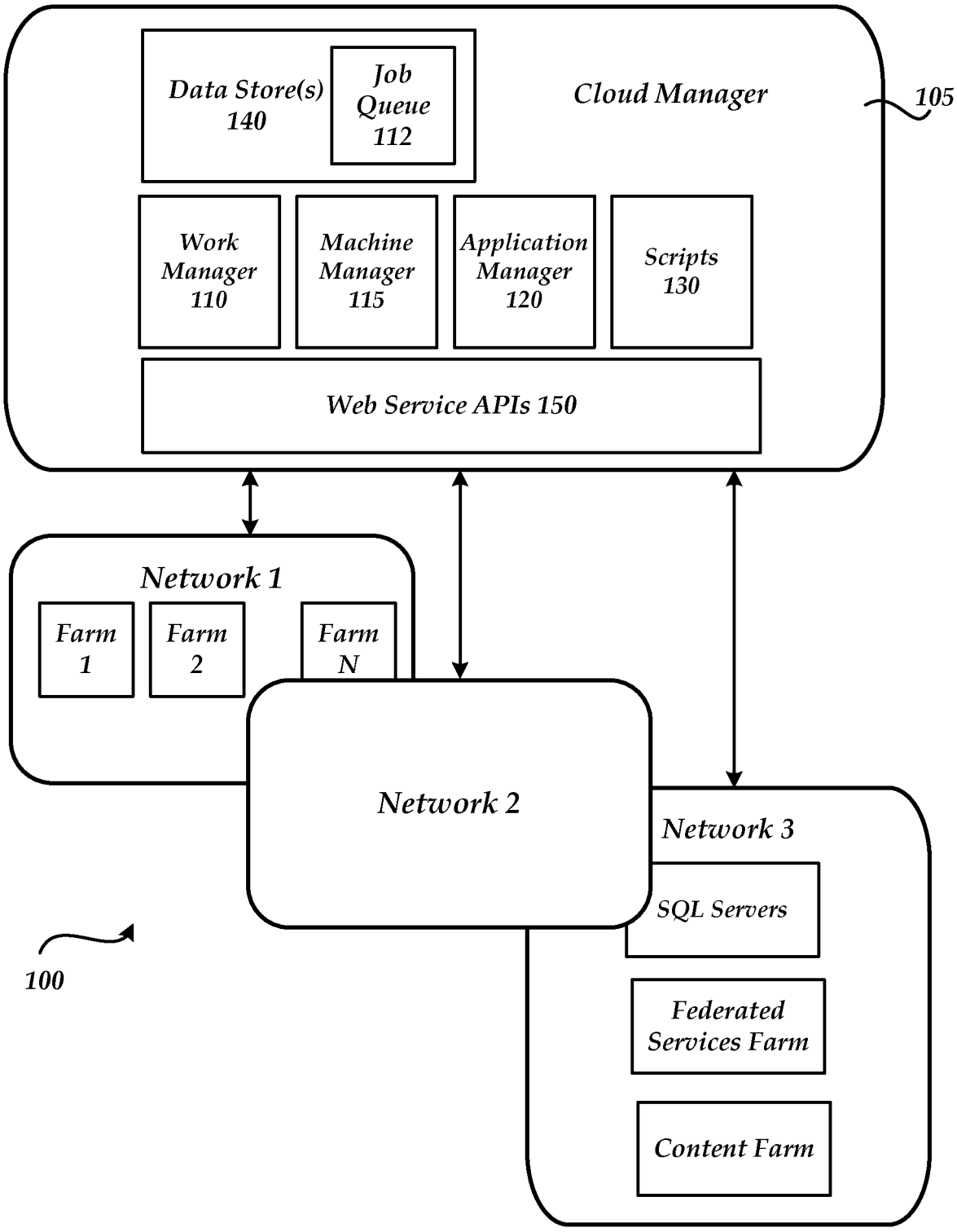
Data Store(s) 140
Job Queue 112
Cloud Manager
105
Work Manager 110
Machine Manager 115
Application Manager 120
Scripts 130
Web Service APIs 150
Network 1
Farm 1
Farm 2
Farm N
Network 2
Network 3
SQL Servers
Federated Services Farm
Content Farm
100

Fig. 1

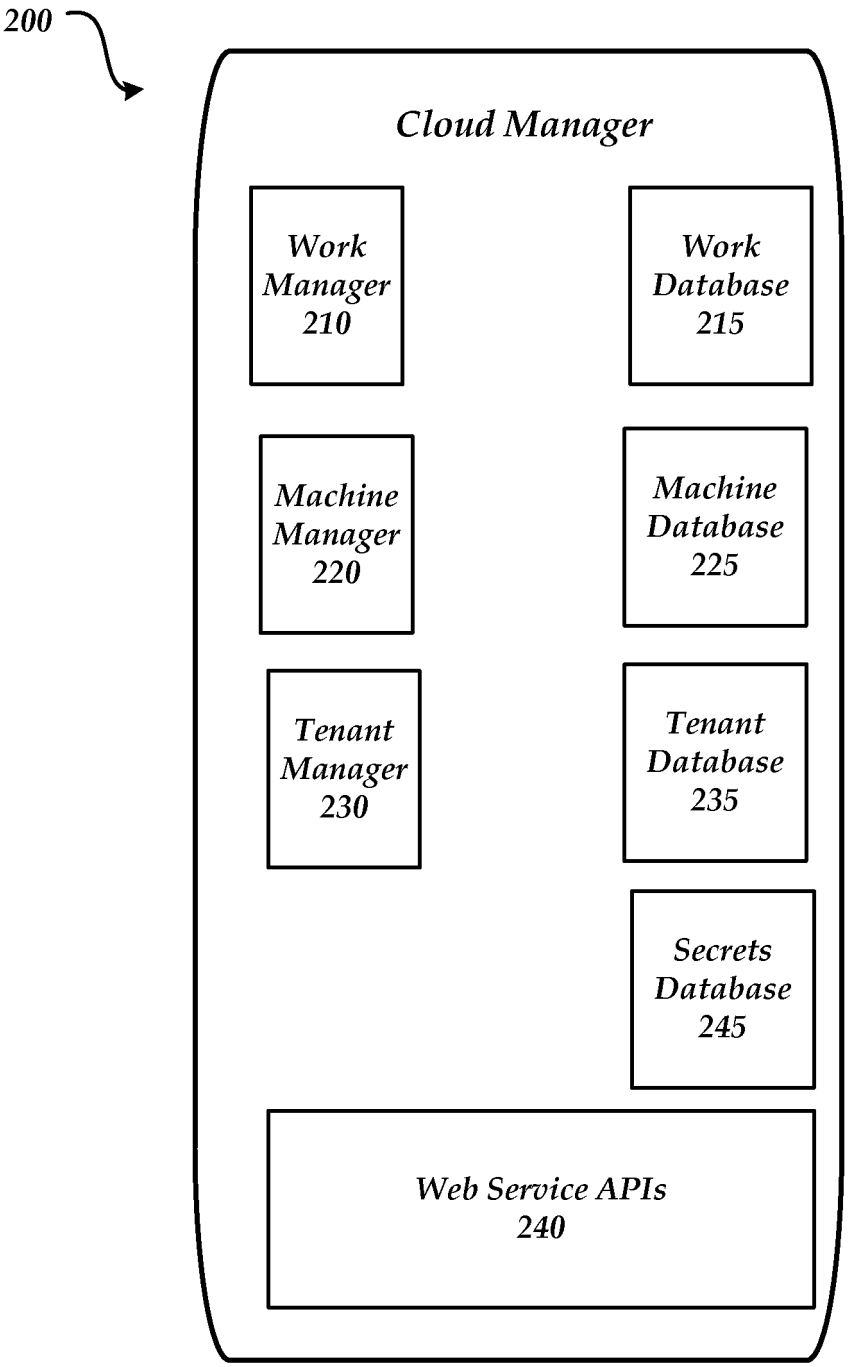
200
Cloud Manager
Work Manager 210
Work Database 215
Machine Manager 220
Machine Database 225
Tenant Manager 230
Tenant Database 235
Secrets Database 245
Web Service APIs 240

Fig. 2

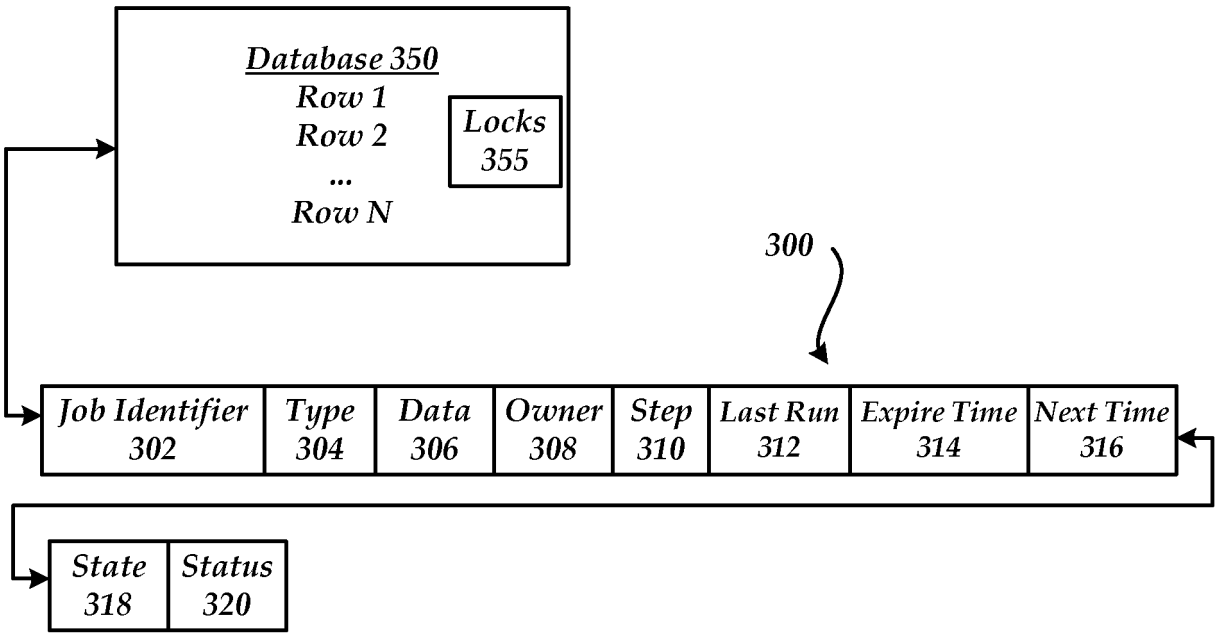
Database 350
Row 1
Row 2
...
Row N
Locks
355
300
Job Identifier
302
Type
304
Data
306
Owner
308
Step
310
Last Run
312
Expire Time
314
Next Time
316
State
318
Status
320

Fig. 3

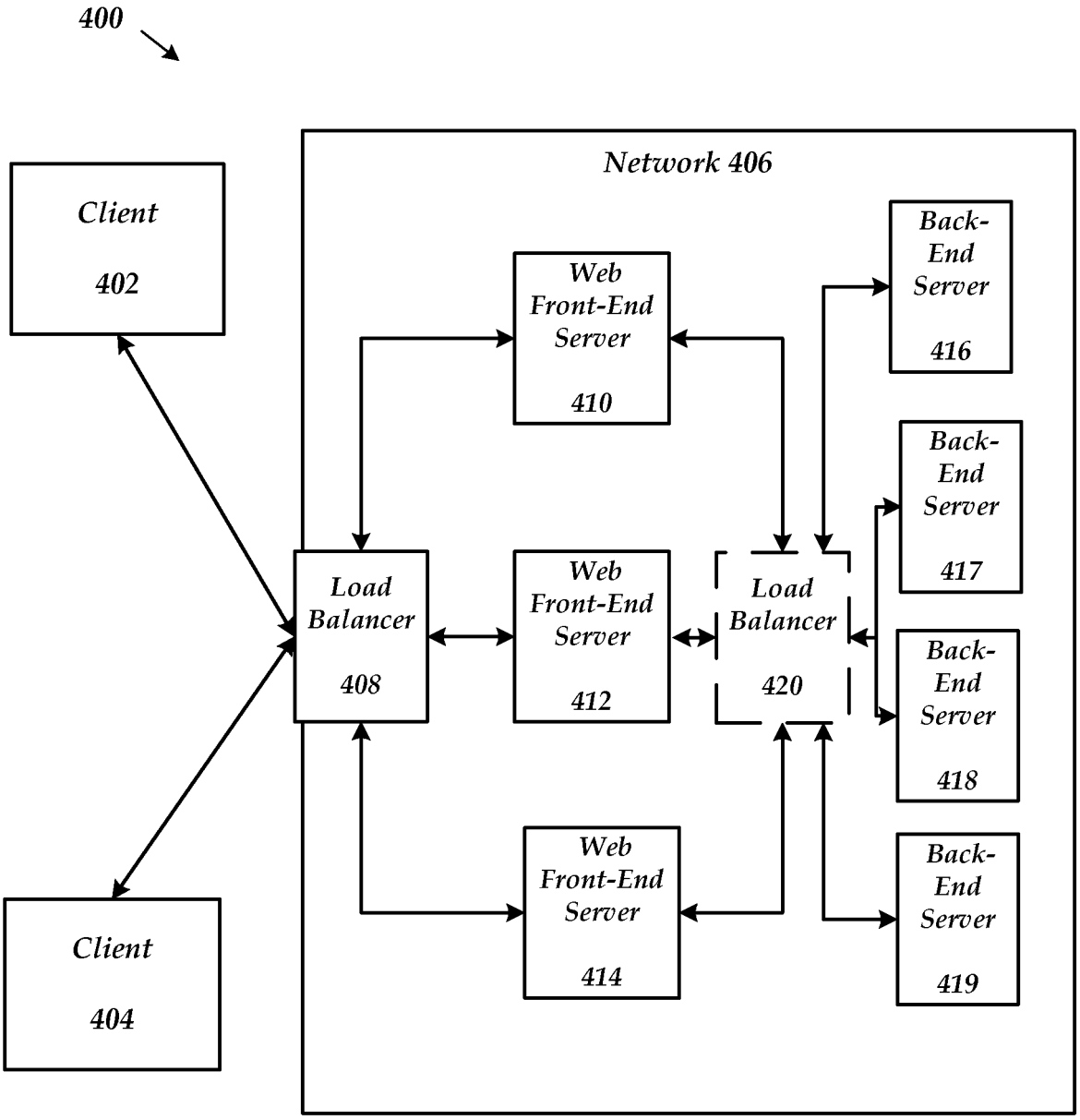
400
Network 406
Client
402
Web
Front-End
Server
410
Back-
End
Server
416
Back-
End
Server
417
Load
Balancer
408
Web
Front-End
Server
412
Load
Balancer
420
Back-
End
Server
418
Web
Front-End
Server
414
Back-
End
Server
419
Client
404

Fig. 4

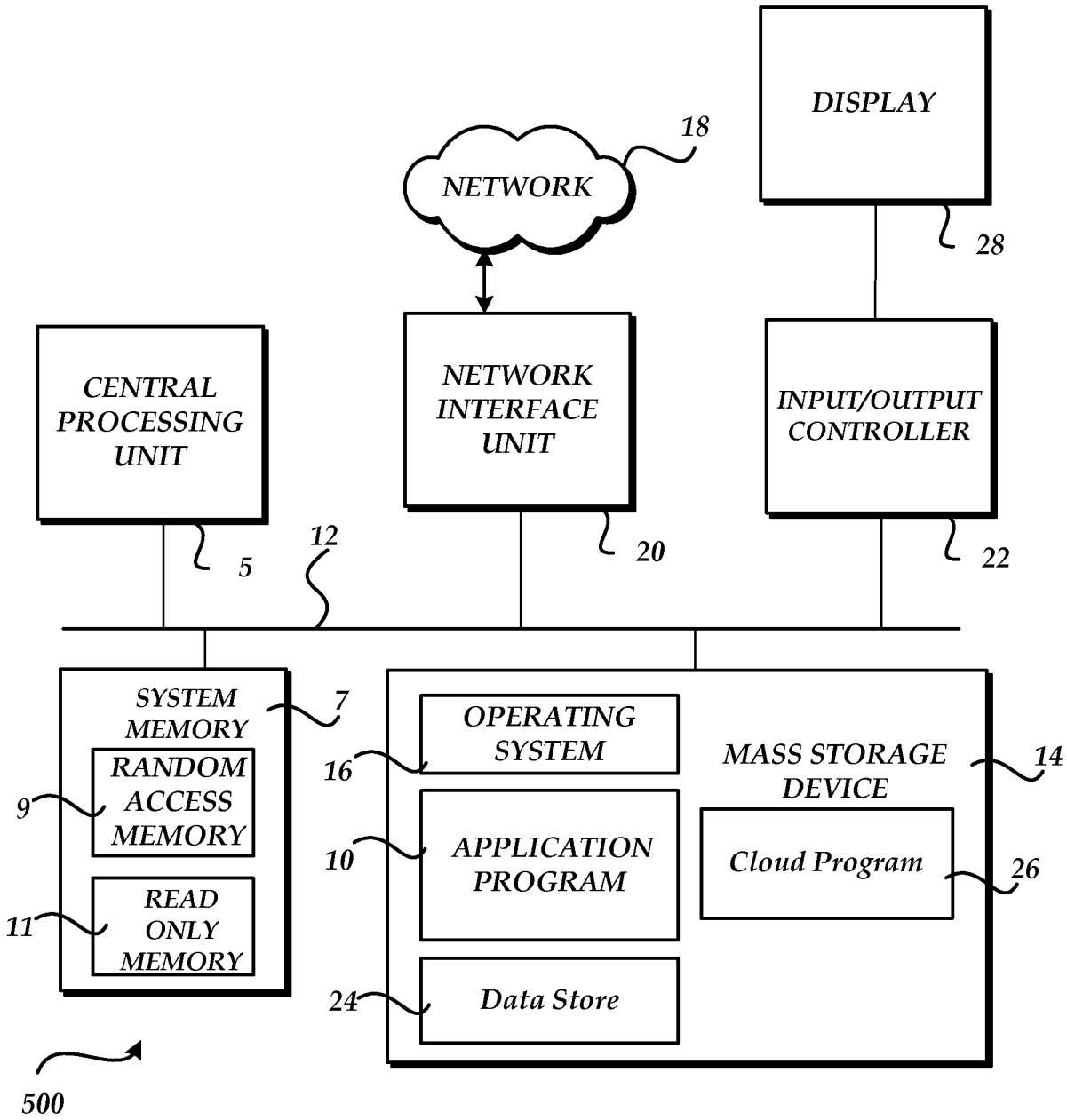
DISPLAY
18
NETWORK
28
CENTRAL PROCESSING UNIT
NETWORK INTERFACE UNIT
INPUT/OUTPUT CONTROLLER
5
12
20
22
SYSTEM MEMORY
7
OPERATING SYSTEM
MASS STORAGE DEVICE
14
16
RANDOM ACCESS MEMORY
9
10
APPLICATION PROGRAM
Cloud Program
26
READ ONLY MEMORY
11
24
Data Store
500

Fig. 5

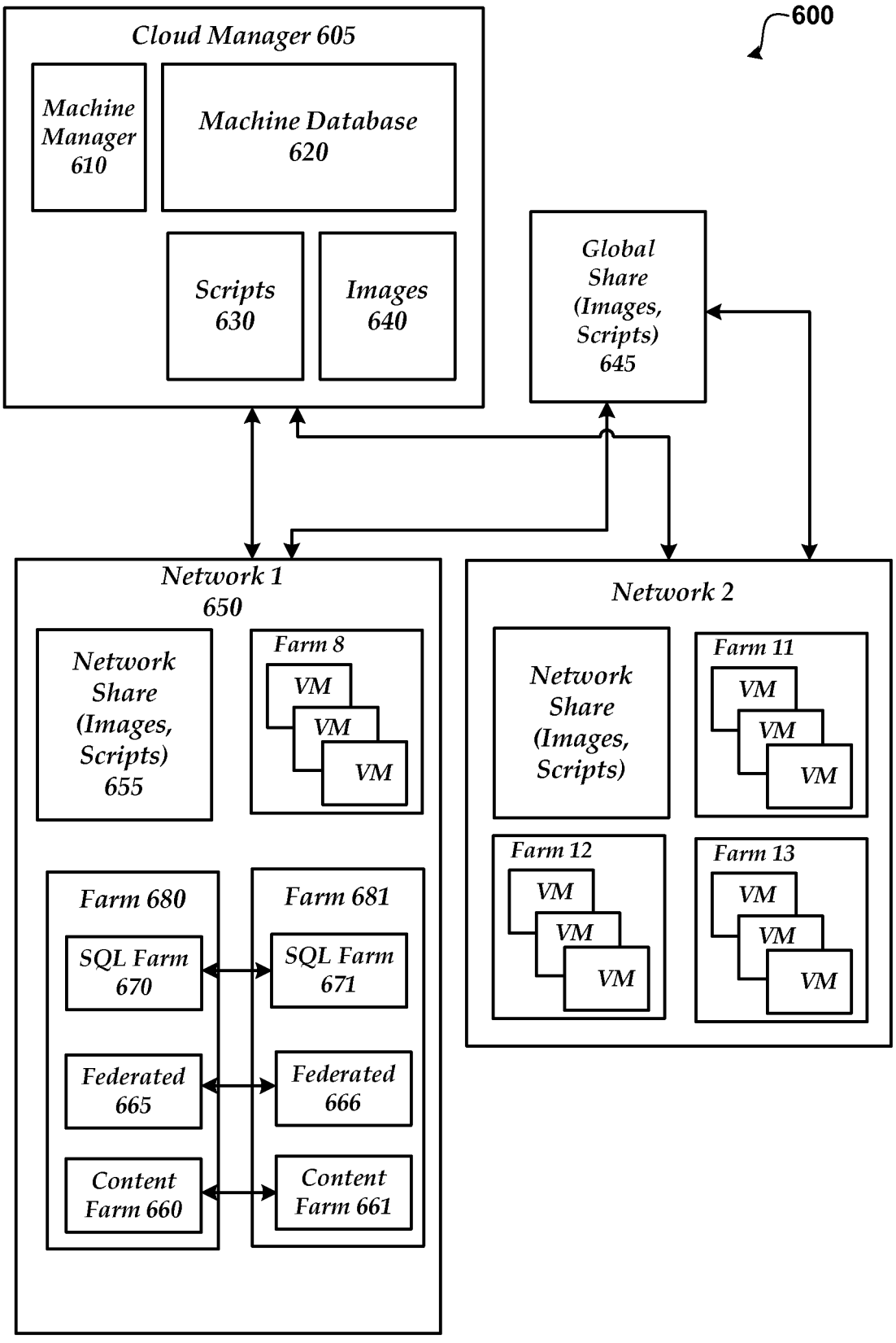
600
Cloud Manager 605
Machine Manager 610
Machine Database 620
Scripts 630
Images 640
Global Share (Images, Scripts) 645
Network 1 650
Network Share (Images, Scripts) 655
Farm 8
VM
VM
VM
Farm 680
SQL Farm 670
Federated 665
Content Farm 660
Farm 681
SQL Farm 671
Federated 666
Content Farm 661
Network 2
Network Share (Images, Scripts)
Farm 11
VM
VM
VM
Farm 12
VM
VM
VM
Farm 13
VM
VM
VM

Fig. 6

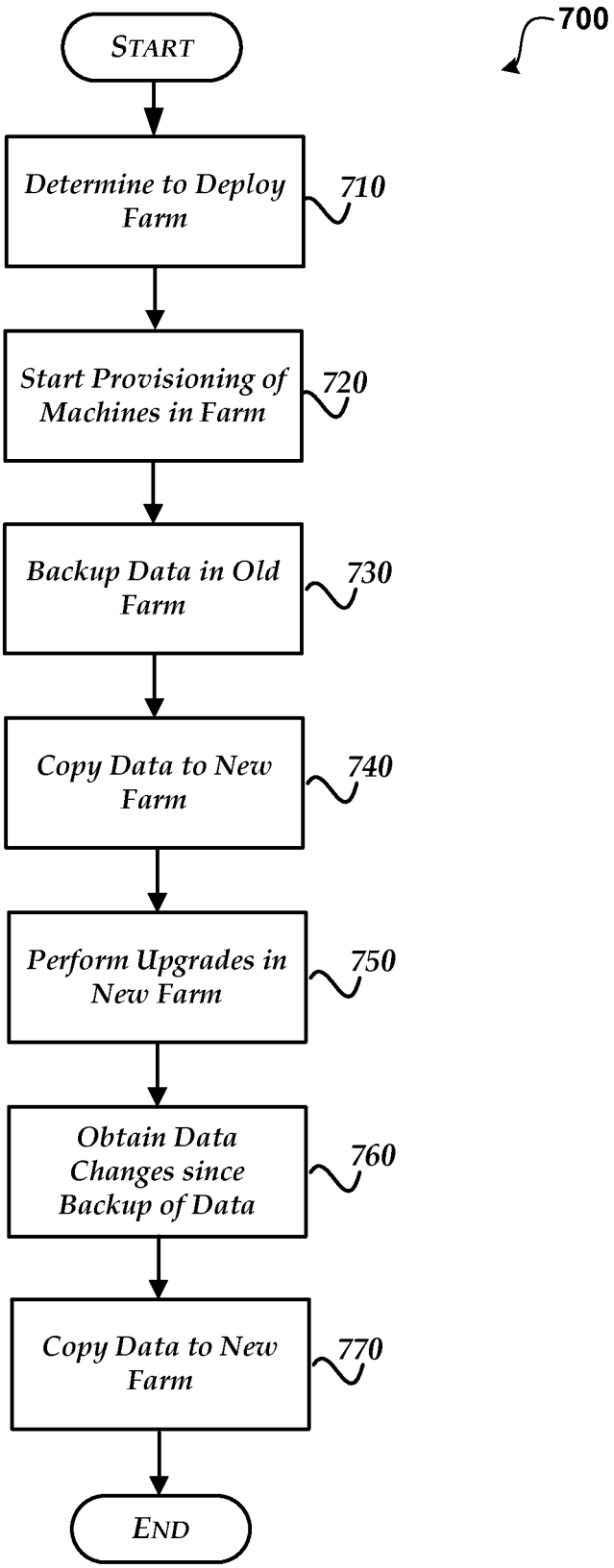
700
START
Determine to Deploy Farm
710
Start Provisioning of Machines in Farm
720
Backup Data in Old Farm
730
Copy Data to New Farm
740
Perform Upgrades in New Farm
750
Obtain Data Changes since Backup of Data
760
Copy Data to New Farm
770
END

Fig. 7