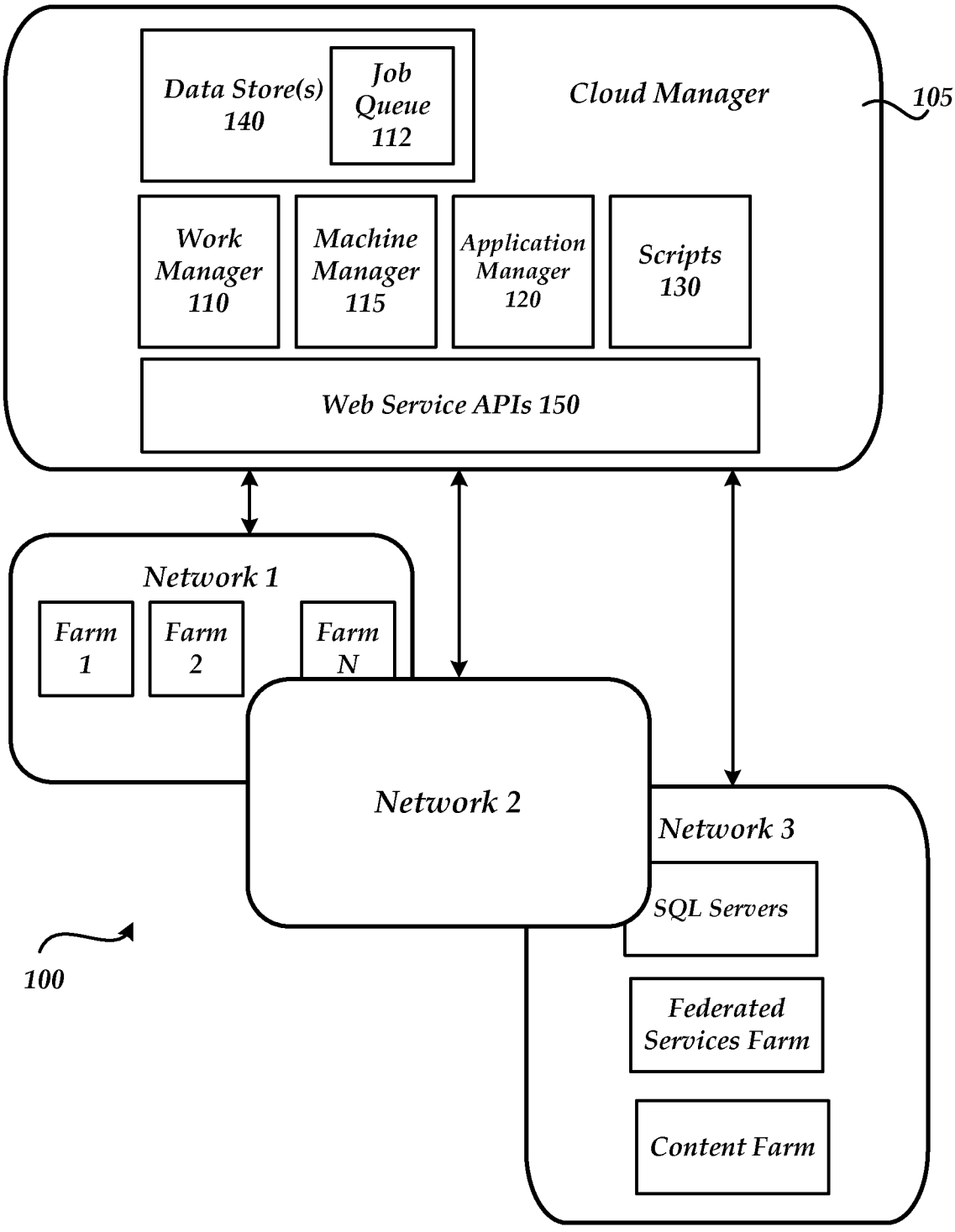
Data Store(s) 140
Job Queue 112
Cloud Manager
105
Work Manager 110
Machine Manager 115
Application Manager 120
Scripts 130
Web Service APIs 150
Network 1
Farm 1
Farm 2
Farm N
Network 2
Network 3
SQL Servers
Federated Services Farm
Content Farm
100

Fig. 1

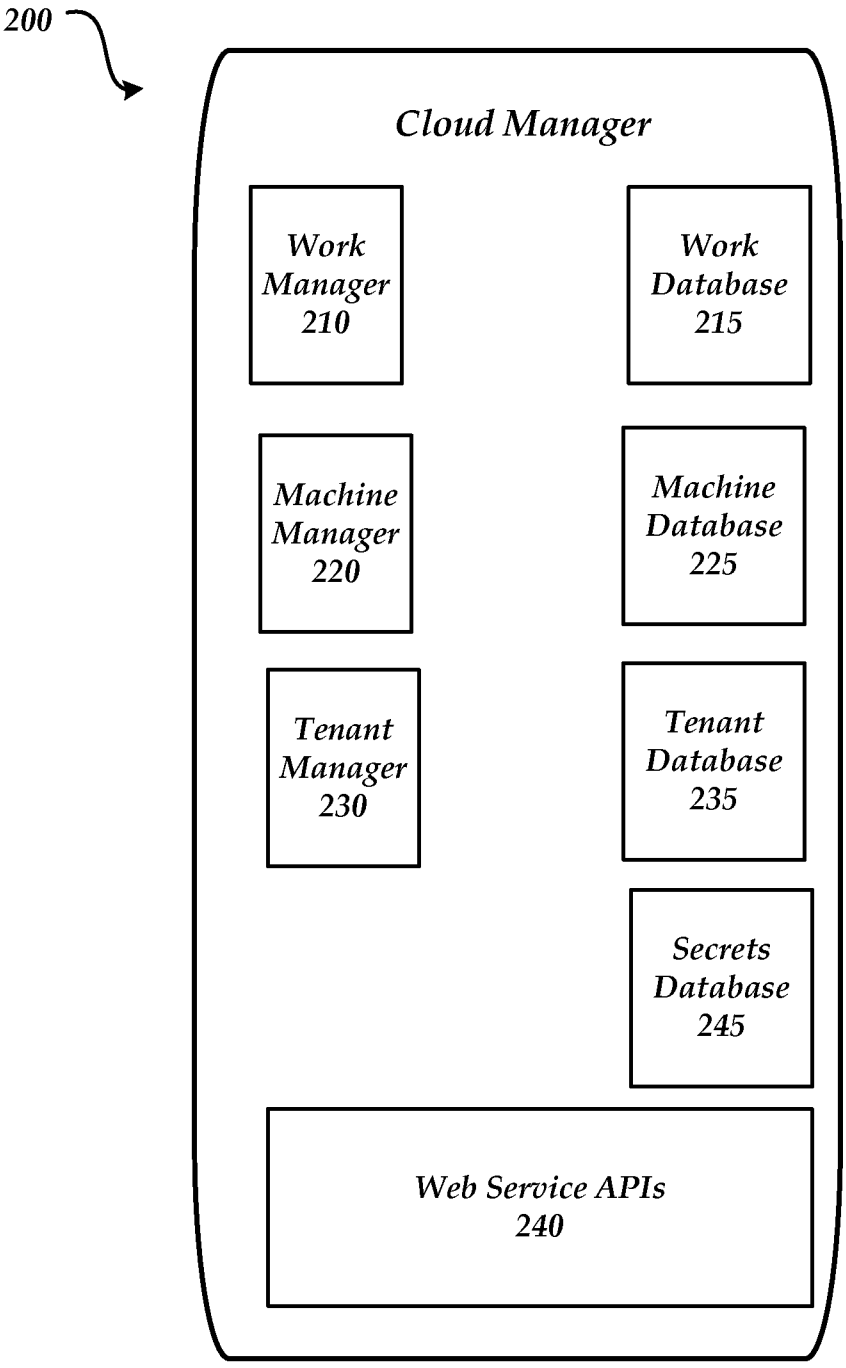
200
Cloud Manager
Work Manager 210
Work Database 215
Machine Manager 220
Machine Database 225
Tenant Manager 230
Tenant Database 235
Secrets Database 245
Web Service APIs 240

Fig. 2

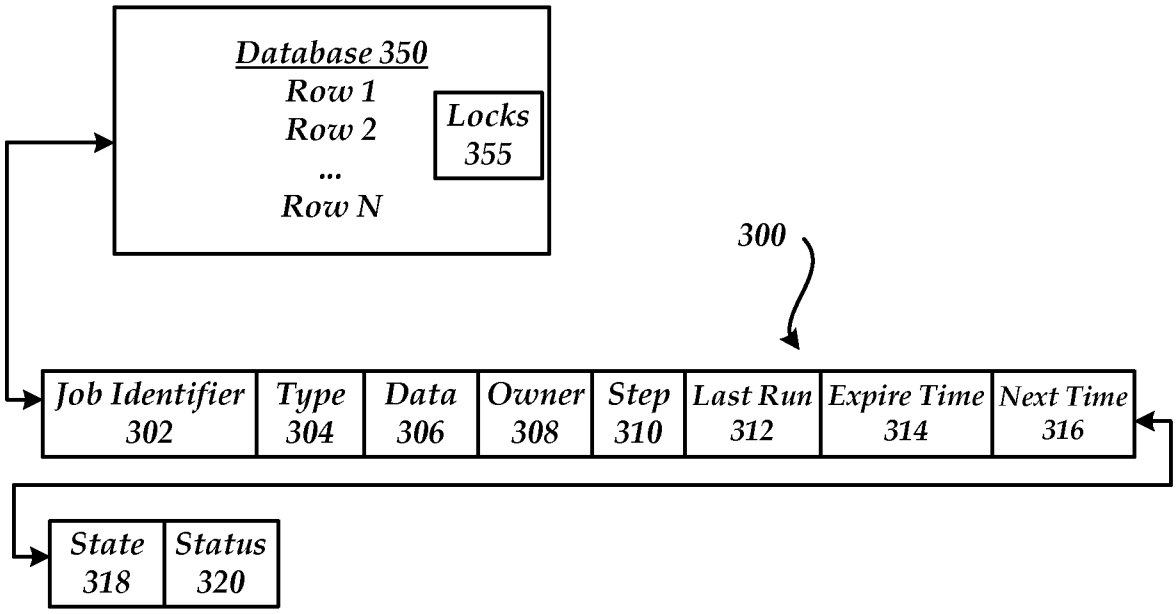
Database 350
Row 1
Row 2
...
Row N
Locks
355
300
Job Identifier
302
Type
304
Data
306
Owner
308
Step
310
Last Run
312
Expire Time
314
Next Time
316
State
318
Status
320

Fig. 3

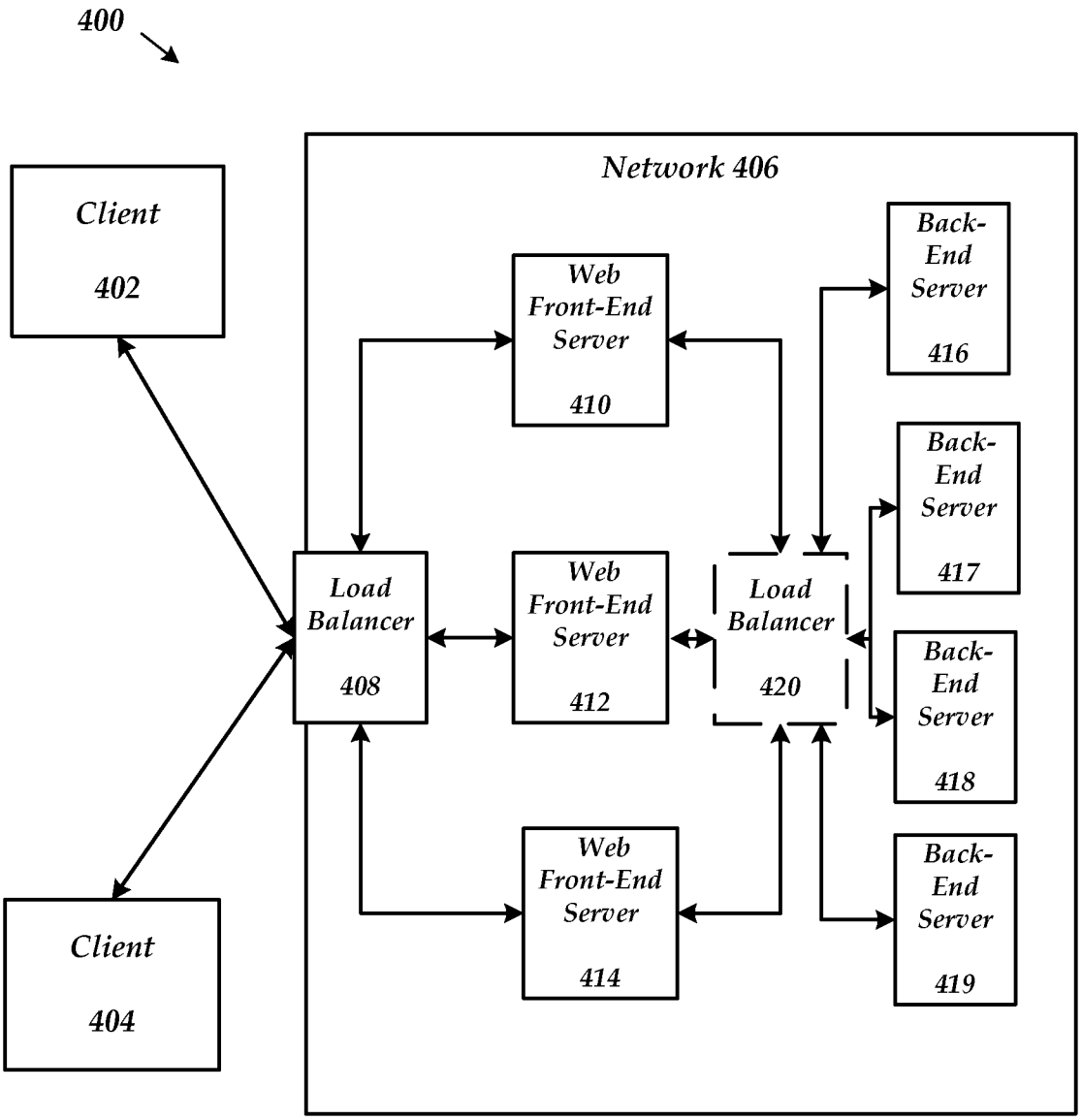
400
Network 406
Client
402
Client
404
Load
Balancer
408
Load
Balancer
420
Web
Front-End
Server
410
Web
Front-End
Server
412
Web
Front-End
Server
414
Back-
End
Server
416
Back-
End
Server
417
Back-
End
Server
418
Back-
End
Server
419

Fig. 4

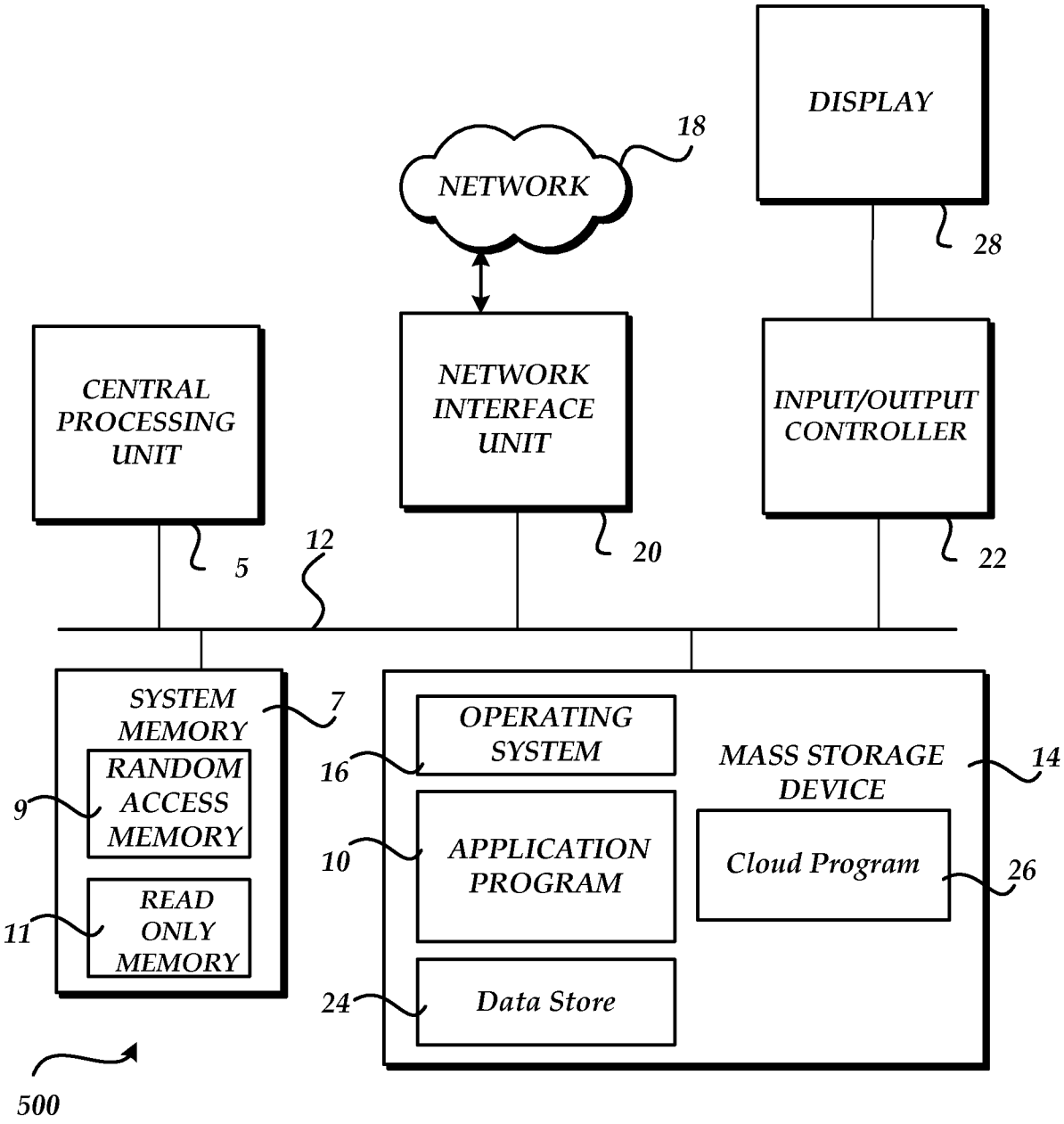
DISPLAY
18
NETWORK
28
CENTRAL PROCESSING UNIT
NETWORK INTERFACE UNIT
INPUT/OUTPUT CONTROLLER
5
12
20
22
SYSTEM MEMORY
7
RANDOM ACCESS MEMORY
9
READ ONLY MEMORY
11
OPERATING SYSTEM
16
MASS STORAGE DEVICE
14
APPLICATION PROGRAM
10
Cloud Program
26
Data Store
24
500

Fig. 5

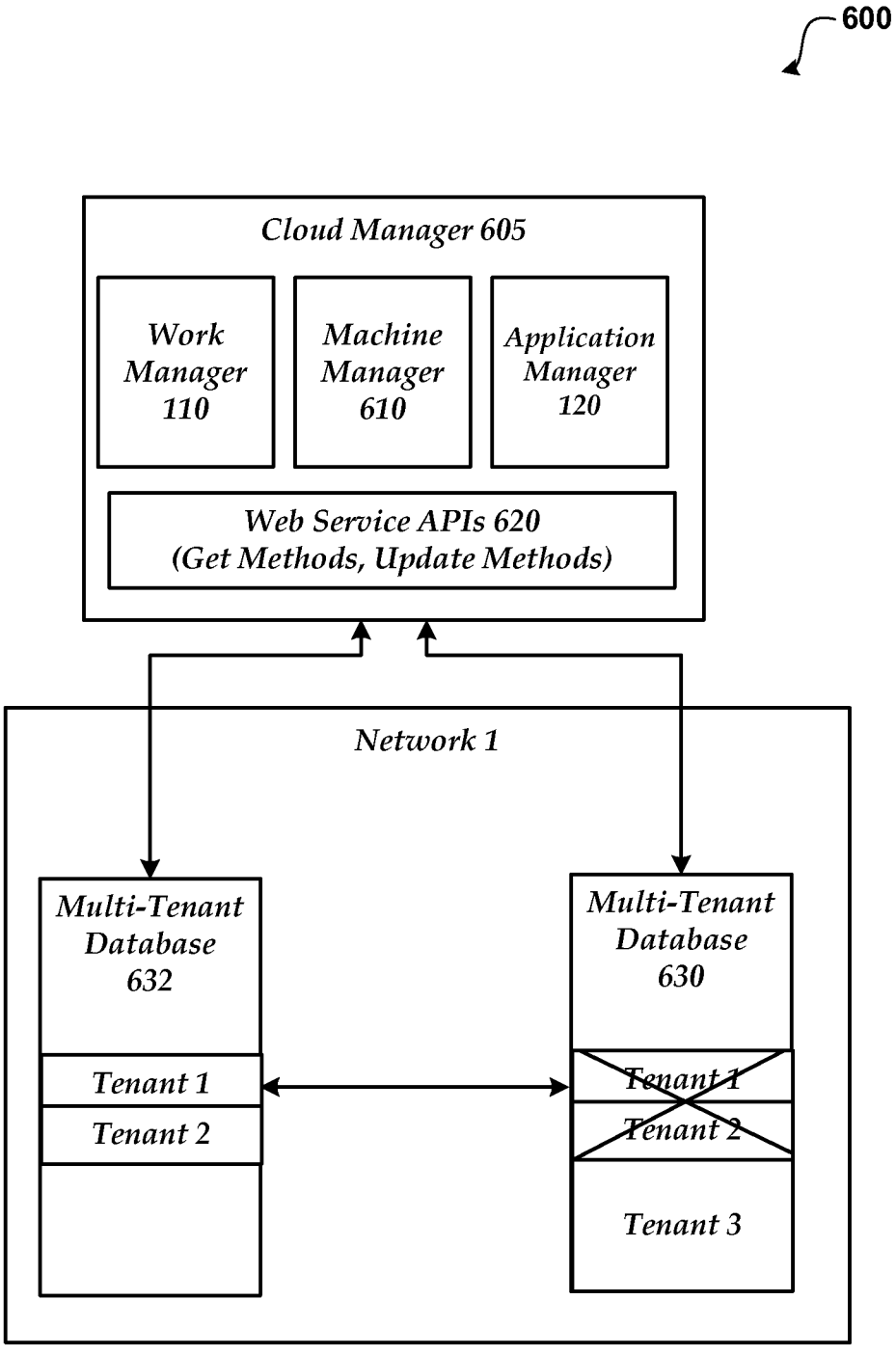
600
Cloud Manager 605
Work Manager 110
Machine Manager 610
Application Manager 120
Web Service APIs 620
(Get Methods, Update Methods)
Network 1
Multi-Tenant Database 632
Tenant 1
Tenant 2
Multi-Tenant Database 630
Tenant 1
Tenant 2
Tenant 3

Fig. 6

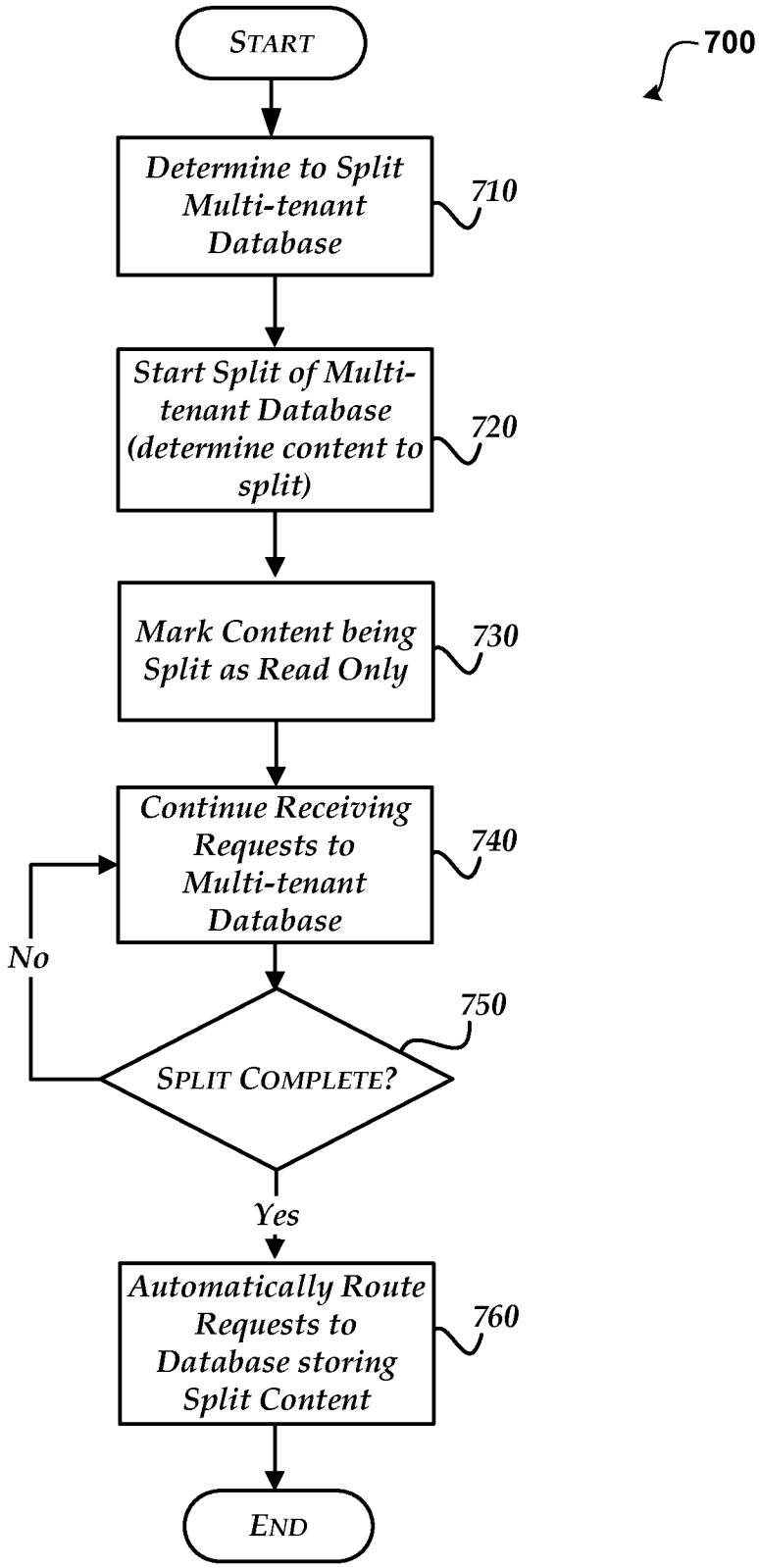
START
700
Determine to Split Multi-tenant Database
710
Start Split of Multi-tenant Database (determine content to split)
720
Mark Content being Split as Read Only
730
Continue Receiving Requests to Multi-tenant Database
740
No
SPLIT COMPLETE?
750
Yes
Automatically Route Requests to Database storing Split Content
760
END

Fig. 7