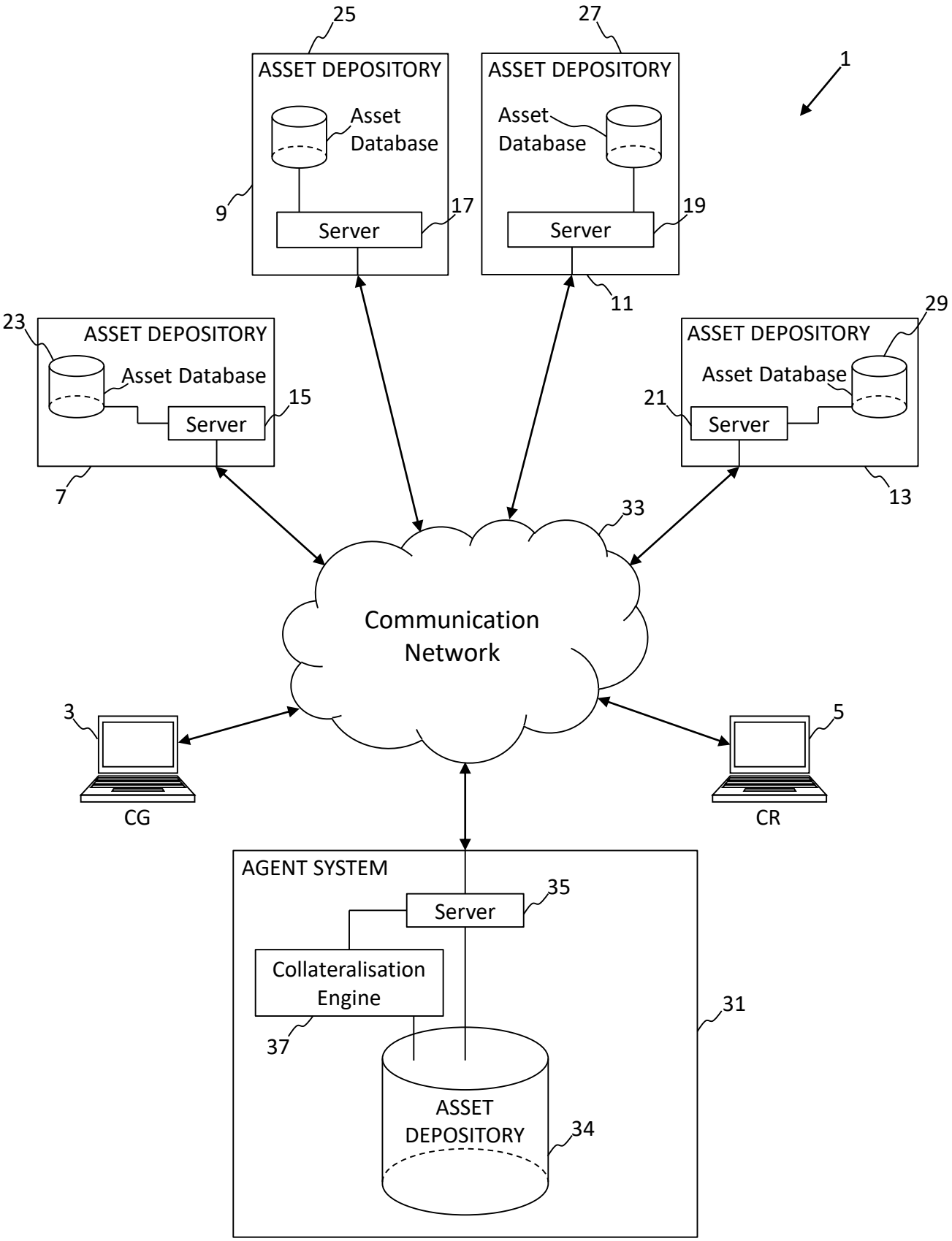

25
ASSET DEPOSITORY
Asset Database
9
Server
17
27
ASSET DEPOSITORY
Asset Database
Server
19
1
11
23
ASSET DEPOSITORY
Asset Database
Server
15
7
29
ASSET DEPOSITORY
Asset Database
21
Server
13
33
Communication Network
3
CG
5
CR
AGENT SYSTEM
Server
35
Collateralisation Engine
37
31
ASSET DEPOSITORY
34

Fig. 1

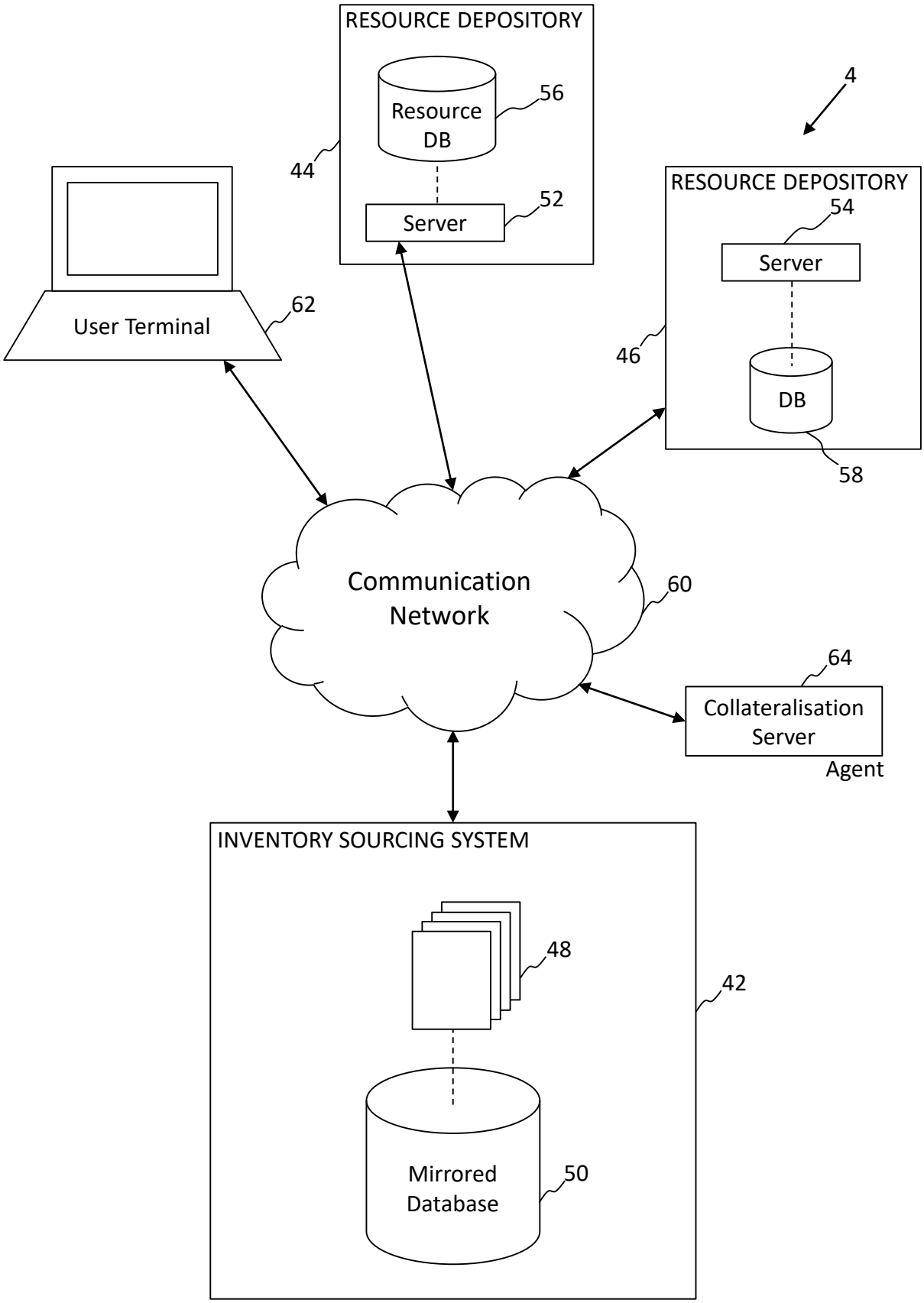

RESOURCE DEPOSITORY
Resource DB
56
44
Server
52
4
RESOURCE DEPOSITORY
54
Server
46
DB
58
User Terminal
62
Communication Network
60
64
Collateralisation Server
Agent
INVENTORY SOURCING SYSTEM
48
42
Mirrored Database
50

Fig. 2

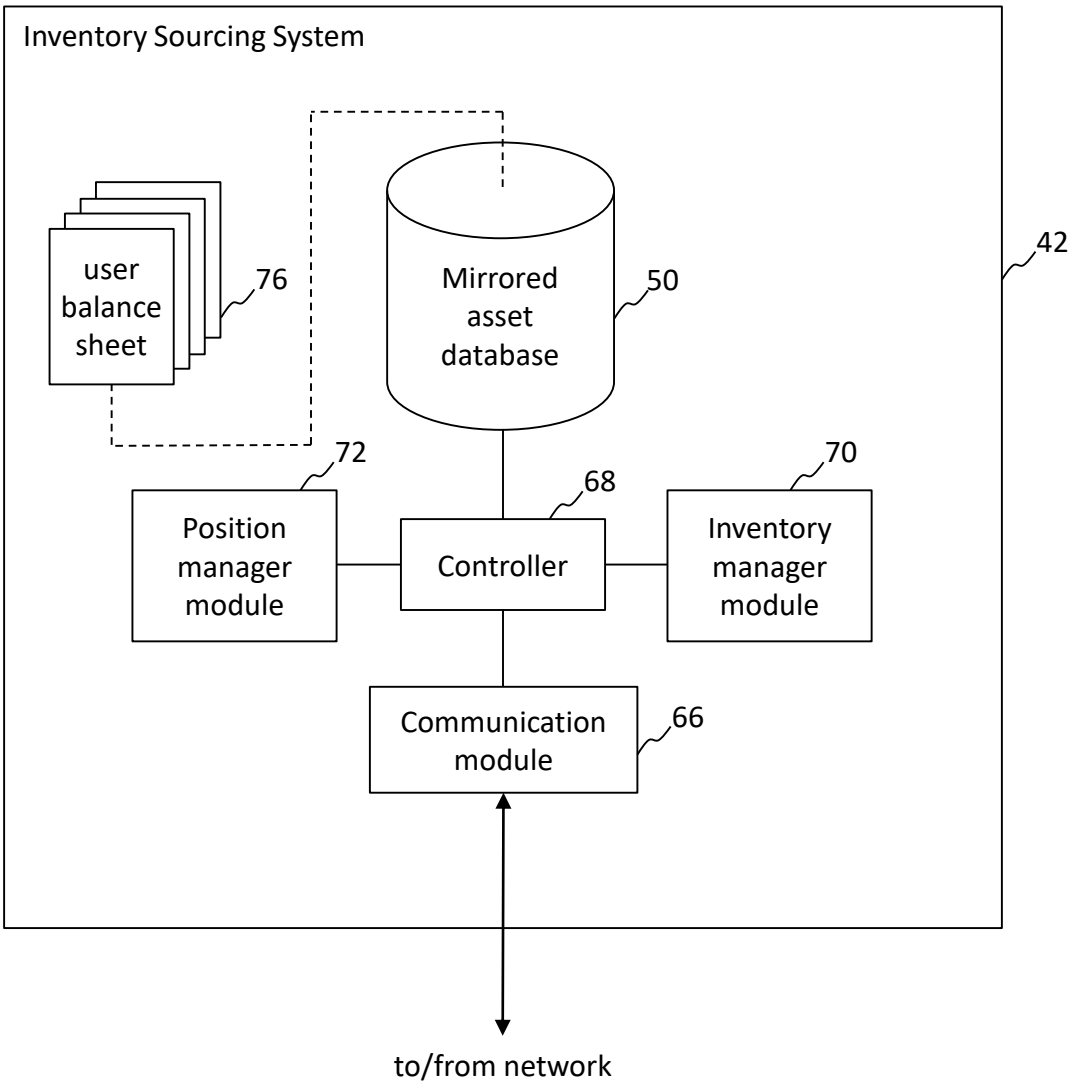

Inventory Sourcing System
user balance sheet
76
Mirrored asset database
50
42
72
68
70
Position manager module
Controller
Inventory manager module
Communication module
66
to/from network

Fig. 3a

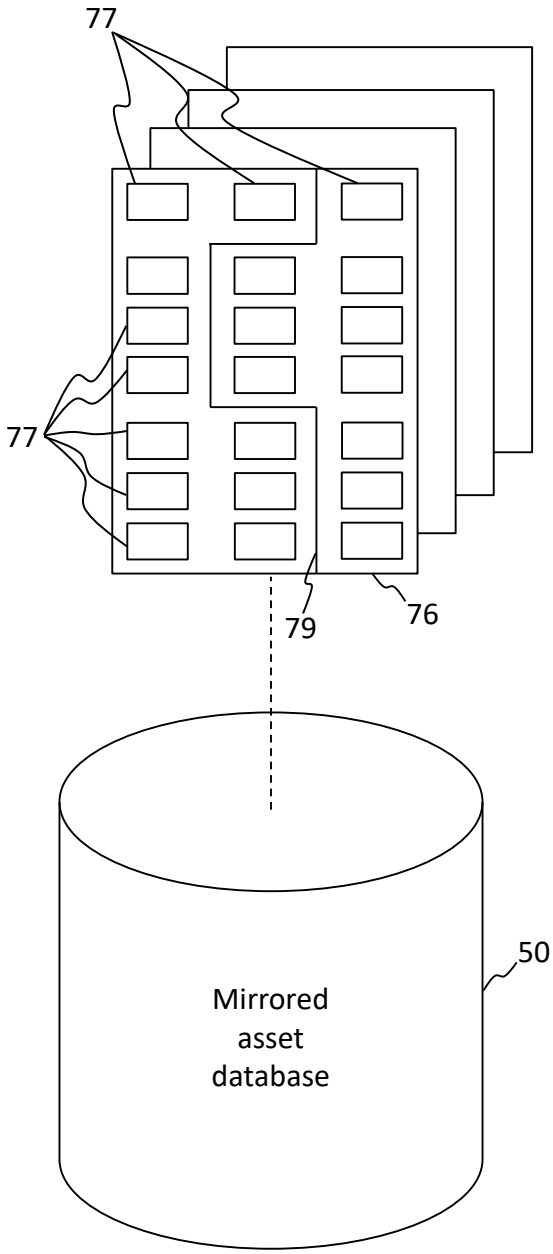


Fig. 3b

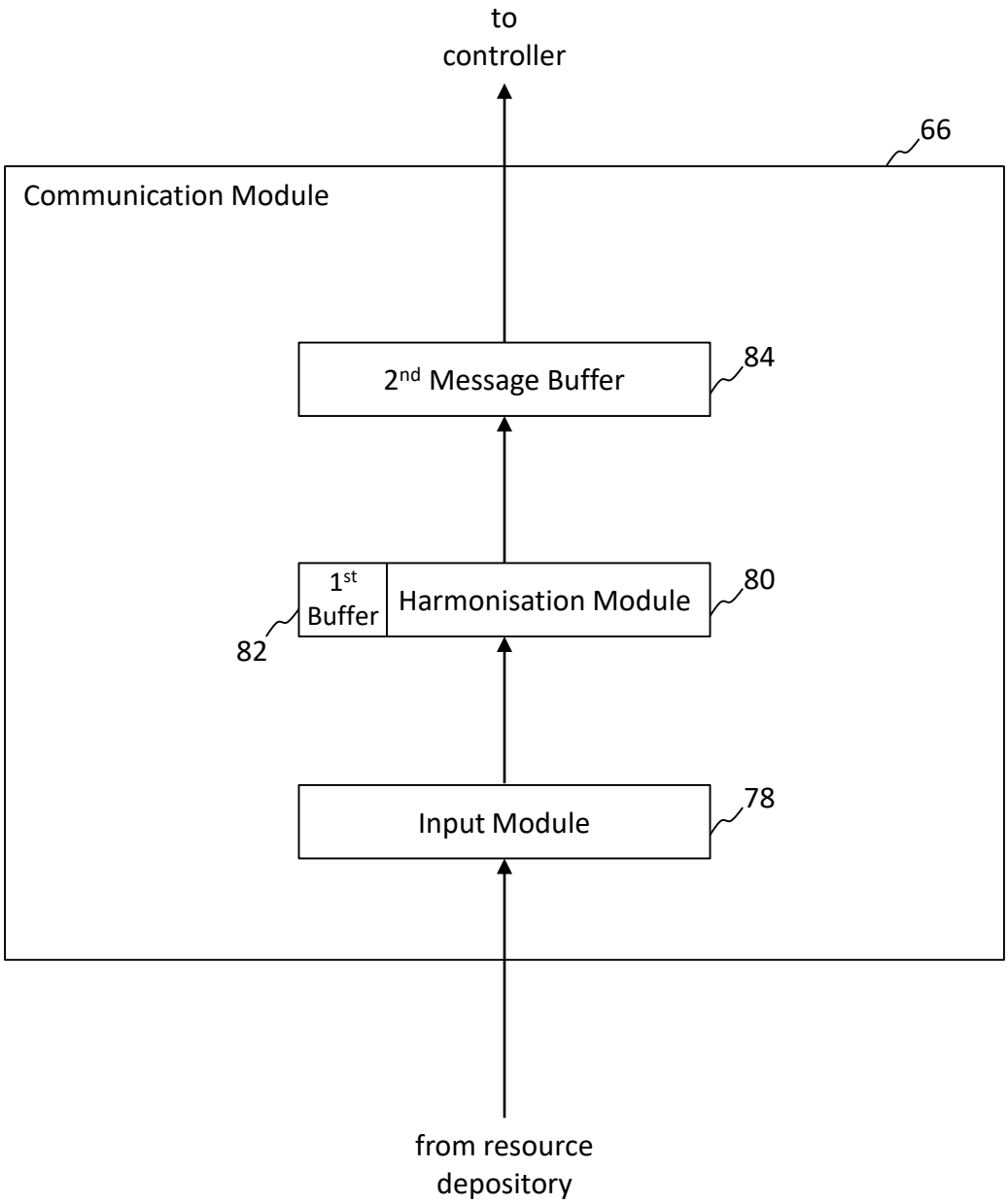

to
controller
66
Communication Module
2nd Message Buffer
84
1st
Buffer
Harmonisation Module
80
82
Input Module
78
from resource
depository

Fig. 4

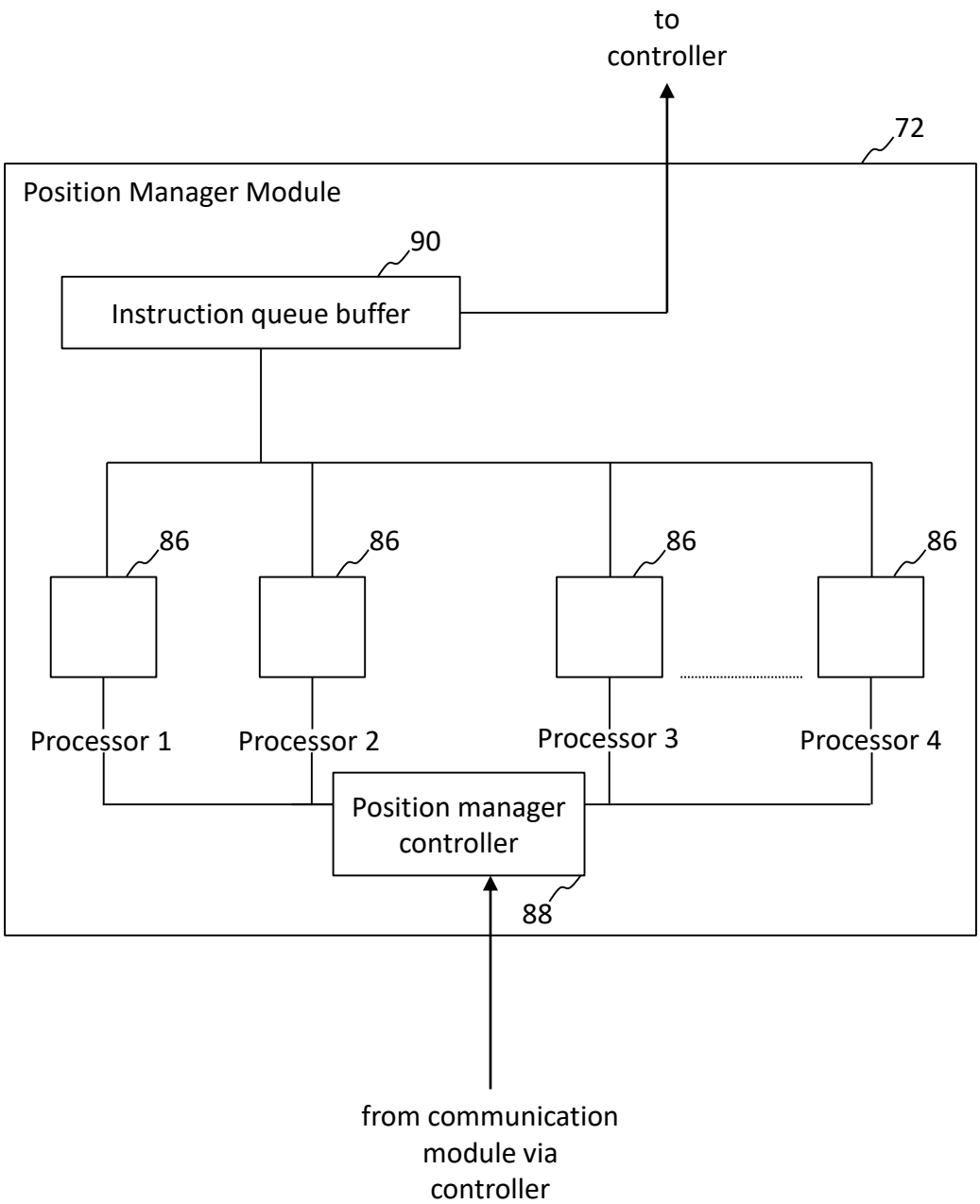

to
controller
72
Position Manager Module
90
Instruction queue buffer
86
86
86
86
Processor 1
Processor 2
Processor 3
Processor 4
Position manager
controller
88
from communication
module via
controller

Fig. 5

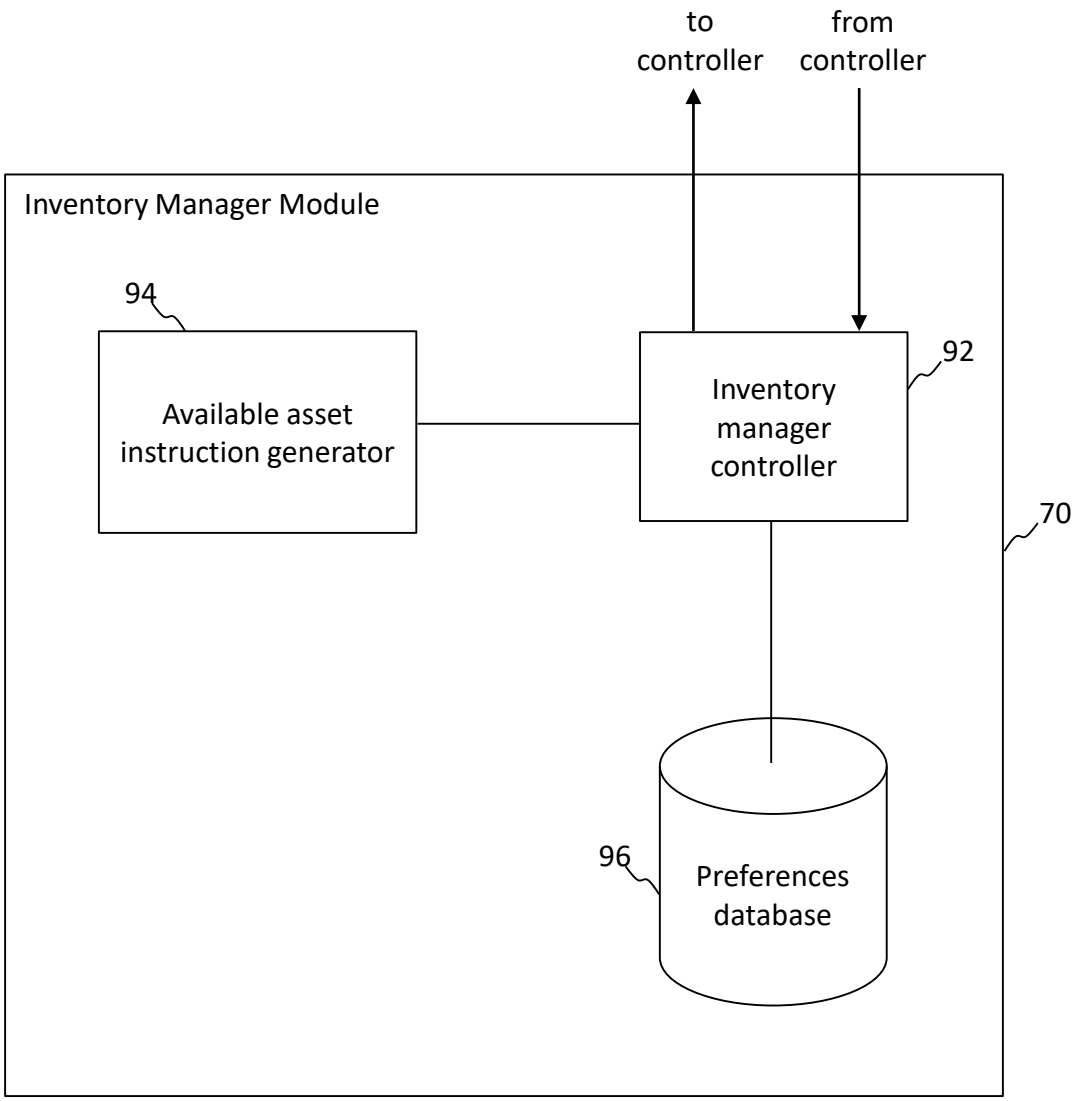

to controller
from controller
Inventory Manager Module
94
Available asset instruction generator
92
Inventory manager controller
70
96
Preferences database

Fig. 6

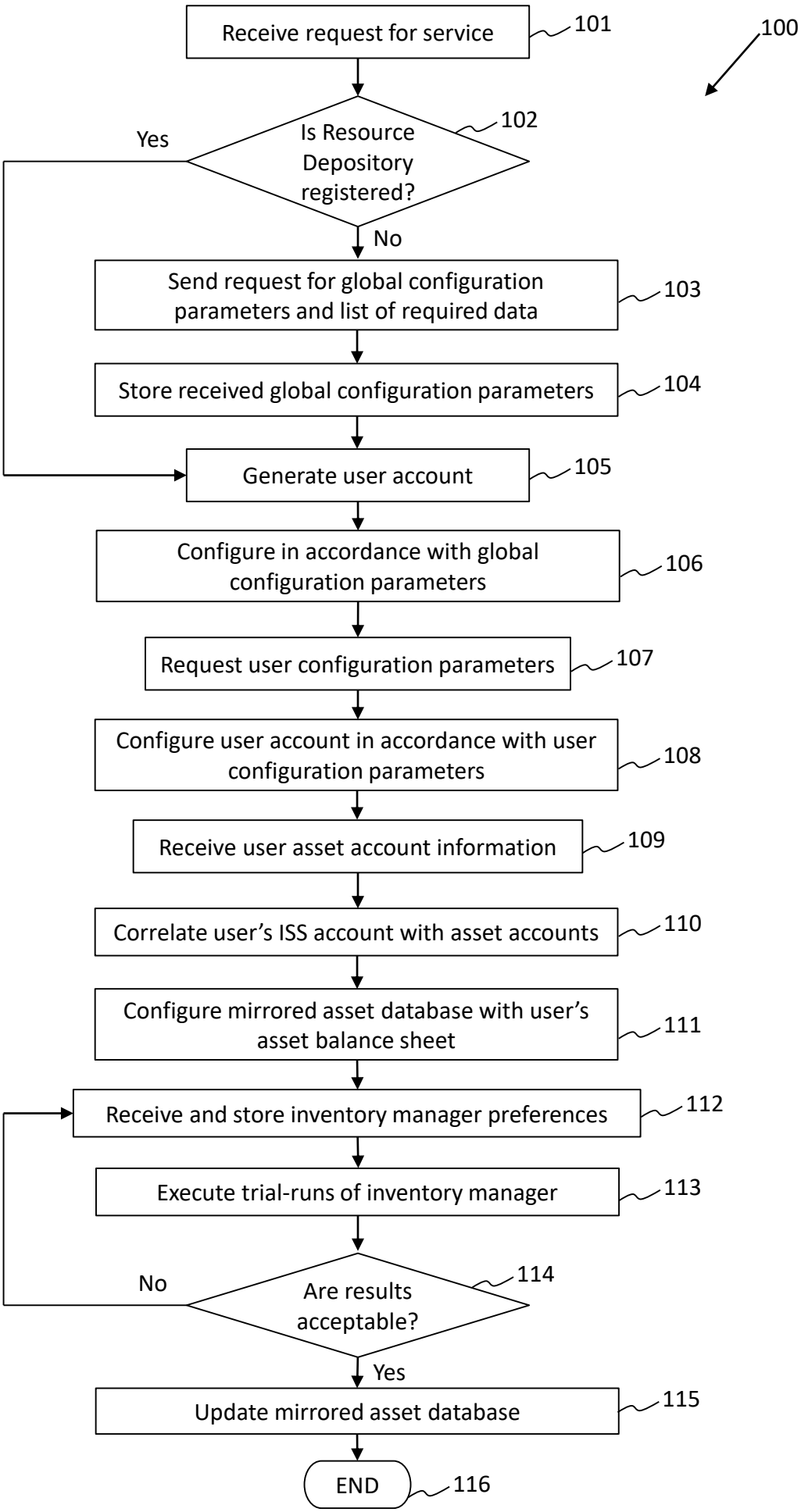

Receive request for service
101
100
Is Resource Depository registered?
102
Yes
No
Send request for global configuration parameters and list of required data
103
Store received global configuration parameters
104
Generate user account
105
Configure in accordance with global configuration parameters
106
Request user configuration parameters
107
Configure user account in accordance with user configuration parameters
108
Receive user asset account information
109
Correlate user's ISS account with asset accounts
110
Configure mirrored asset database with user's asset balance sheet
111
Receive and store inventory manager preferences
112
Execute trial-runs of inventory manager
113
Are results acceptable?
114
No
Yes
Update mirrored asset database
115
END
116

Fig. 7

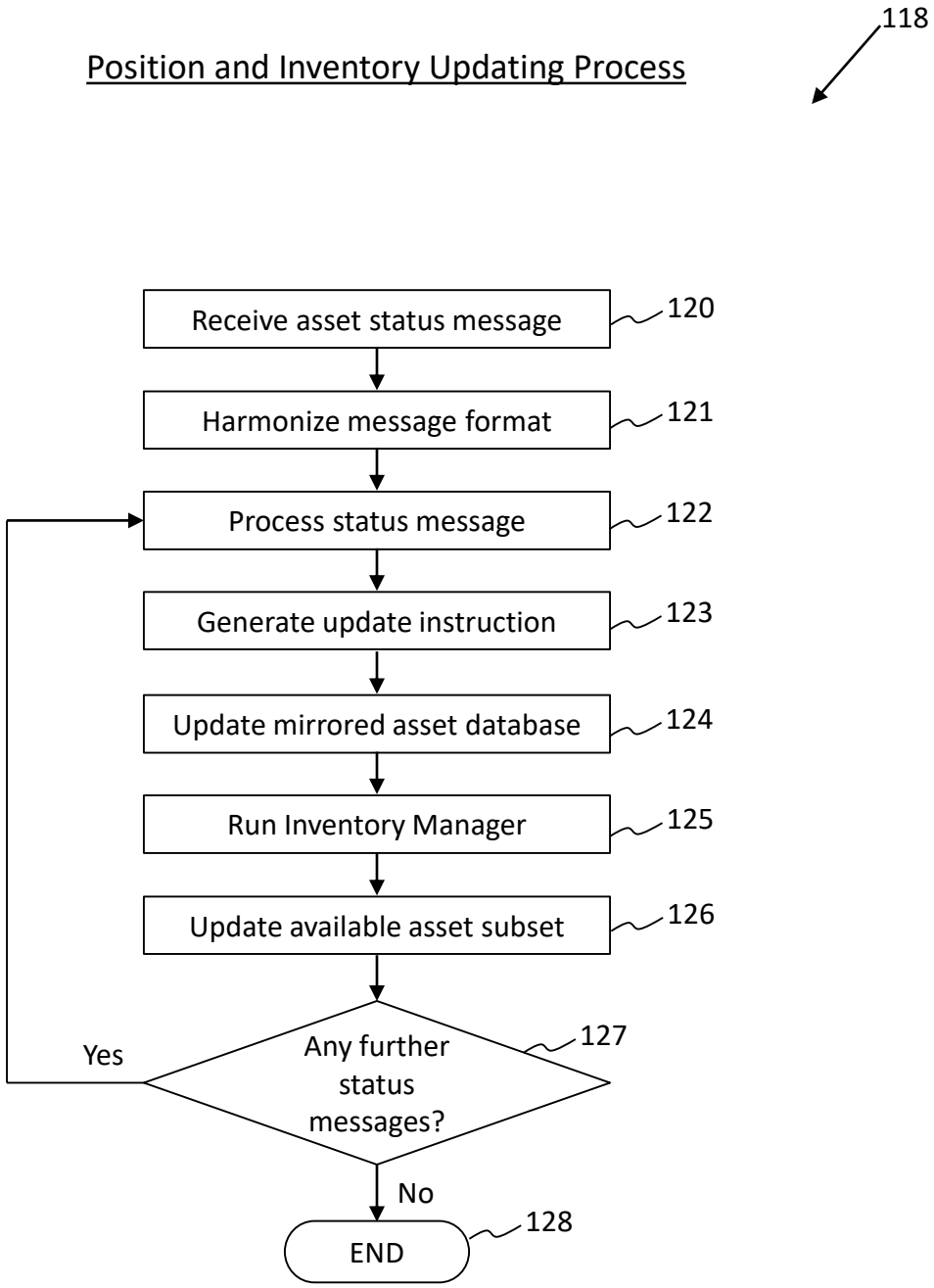

118
Position and Inventory Updating Process
Receive asset status message
120
Harmonize message format
121
Process status message
122
Generate update instruction
123
Update mirrored asset database
124
Run Inventory Manager
125
Update available asset subset
126
Any further status messages?
127
Yes
No
END
128

Fig. 8