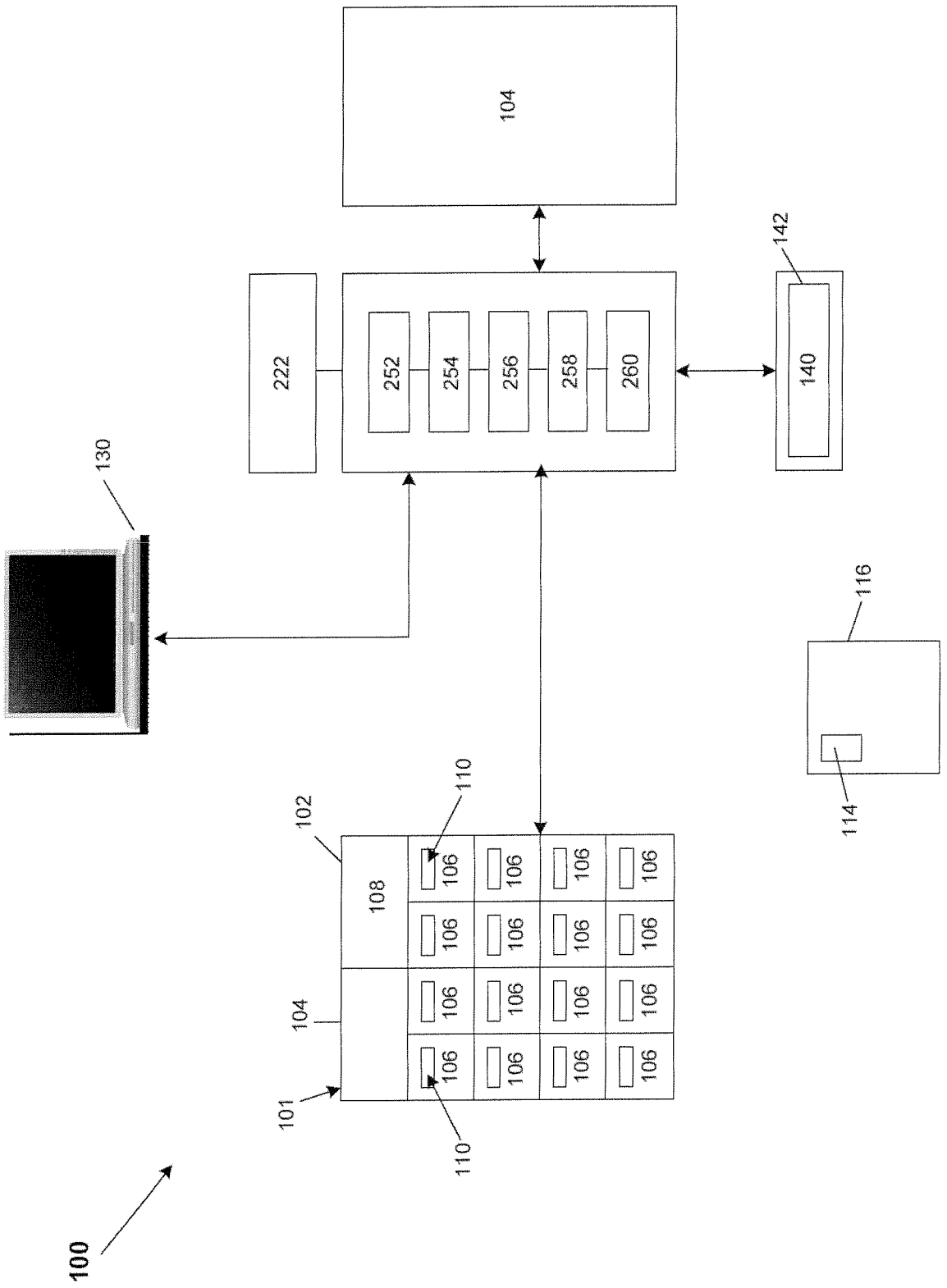

100
101
102
104
106
108
110
114
116
130
140
142
222
252
254
256
258
260

FIGURE 1

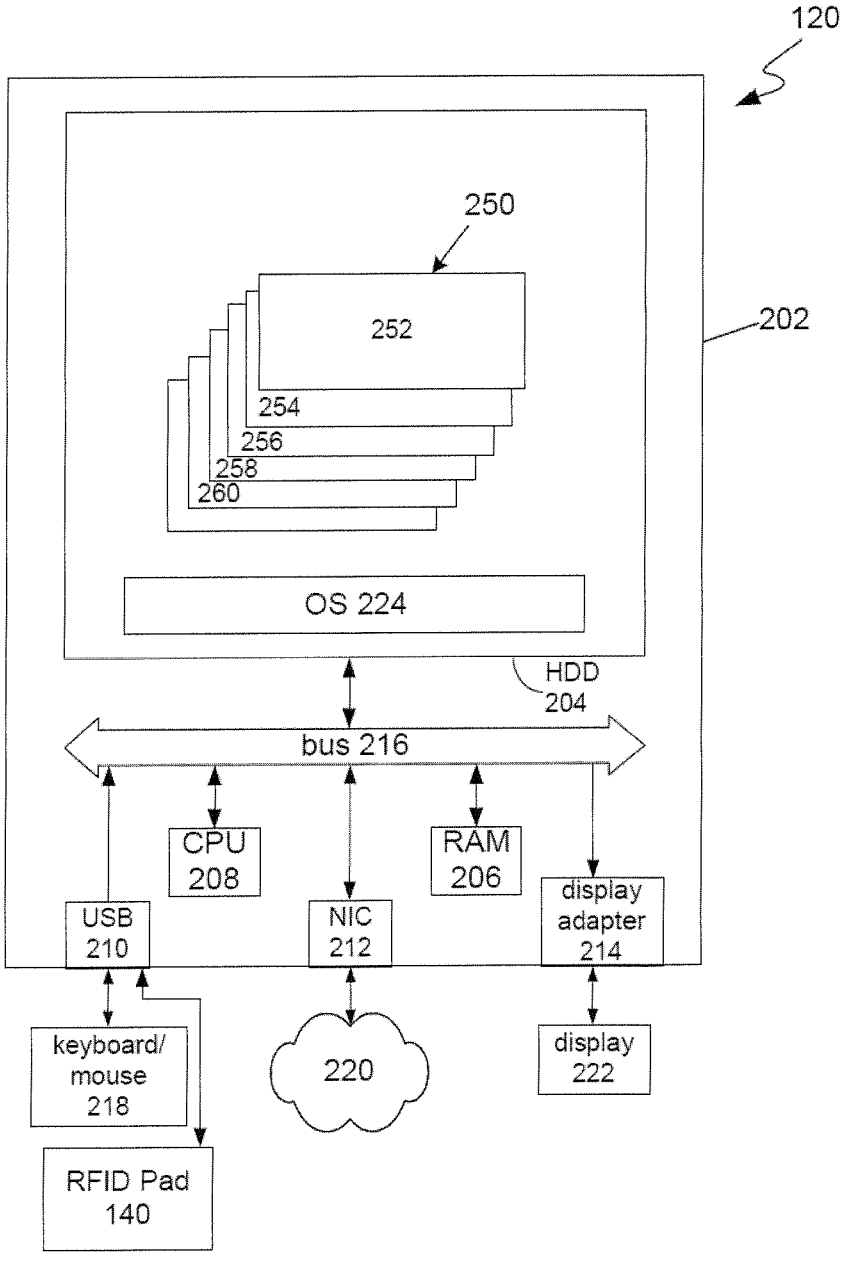

120
250
252
254
256
258
260
202
OS 224
HDD
204
bus 216
CPU
208
RAM
206
display
adapter
214
USB
210
NIC
212
keyboard/
mouse
218
220
display
222
RFID Pad
140

FIGURE 2

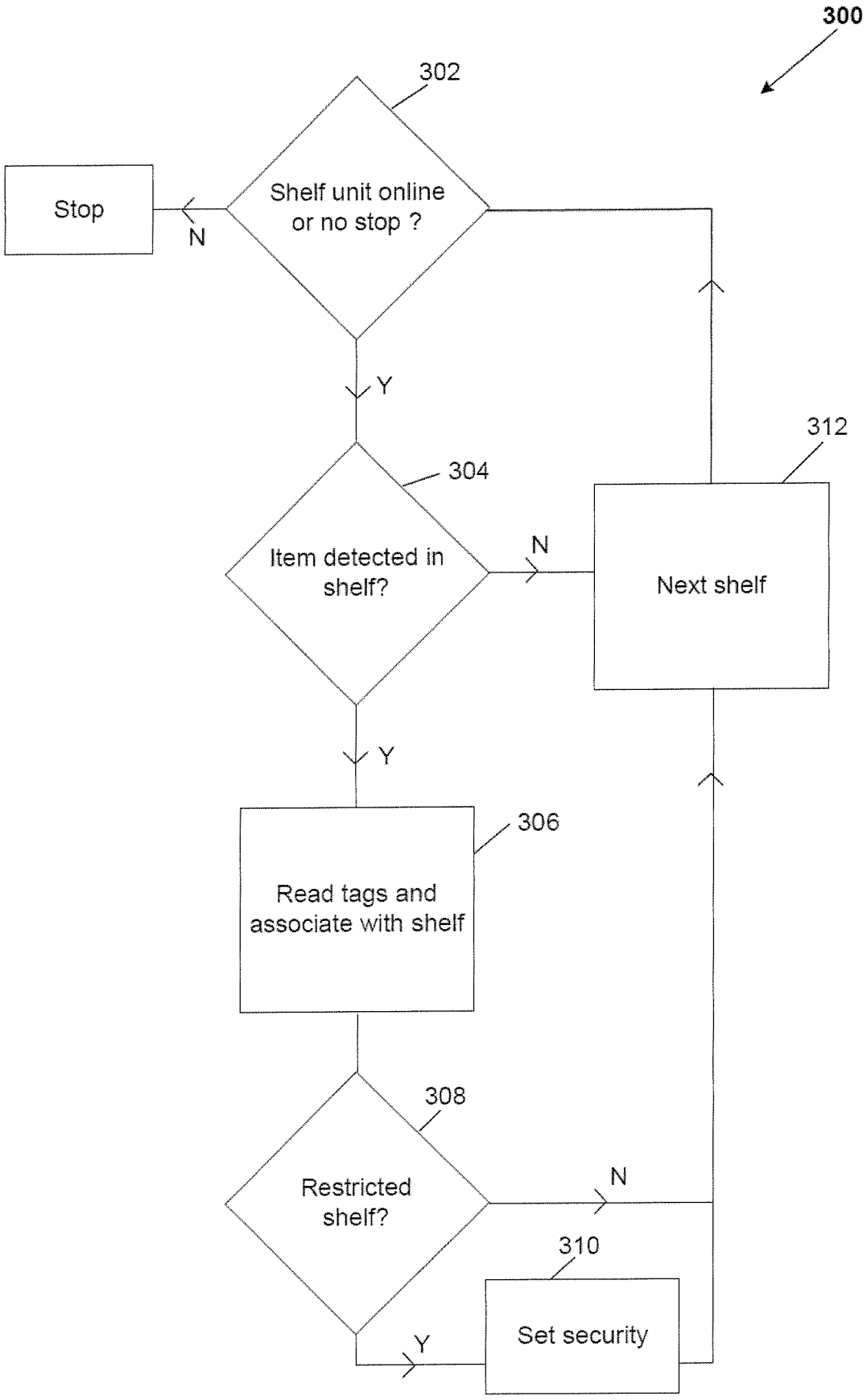

300
302
Shelf unit online or no stop ?
Stop
N
Y
304
Item detected in shelf?
N
312
Next shelf
Y
306
Read tags and associate with shelf
308
Restricted shelf?
N
310
Set security
Y

FIGURE 3

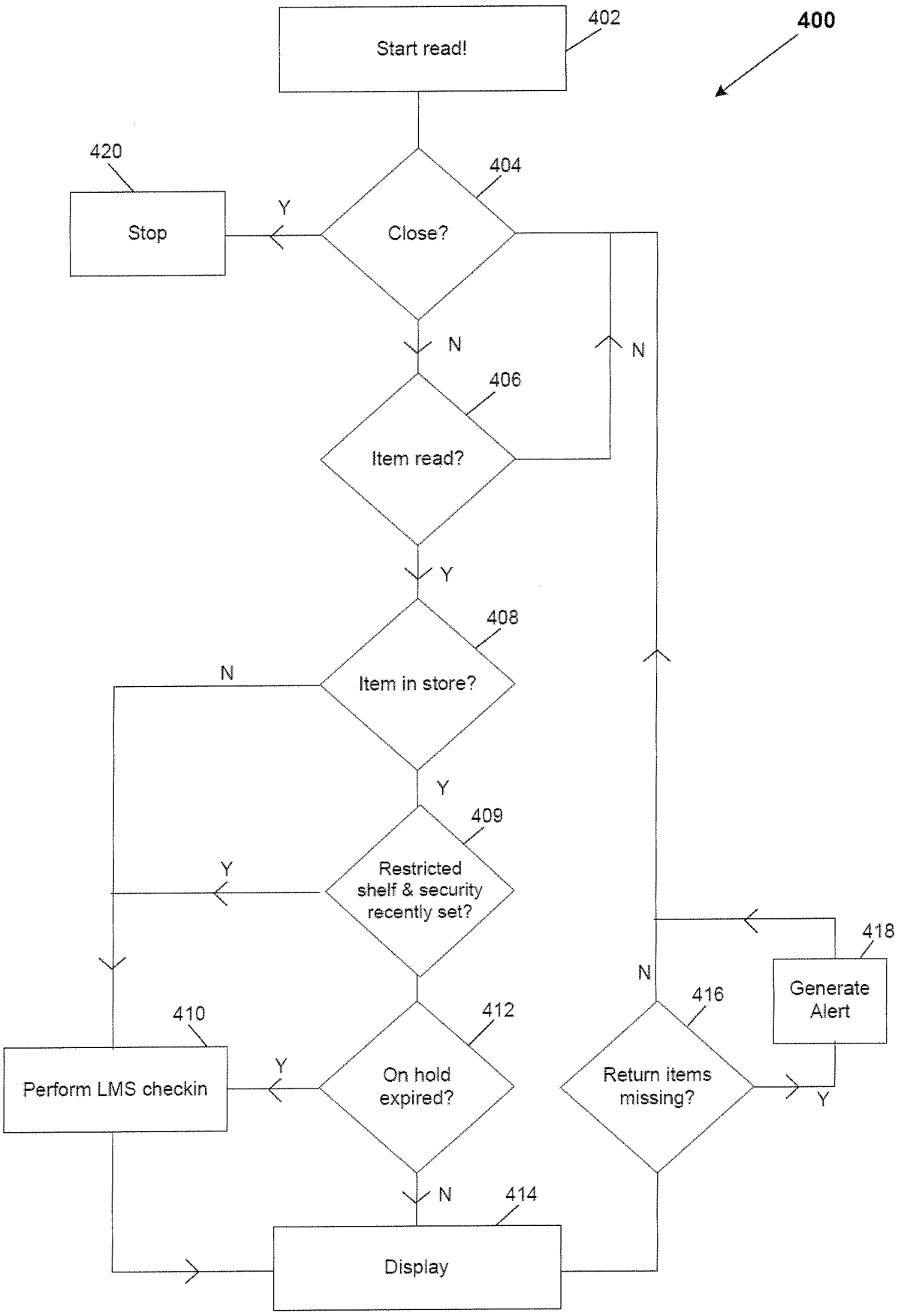

400
Start read!
402
Close?
404
Stop
420
Y
N
Item read?
406
Y
N
Item in store?
408
N
Y
Restricted shelf & security recently set?
409
Y
Perform LMS checkin
410
On hold expired?
412
Y
N
Return items missing?
416
N
Y
Generate Alert
418
Display
414

FIGURE 4

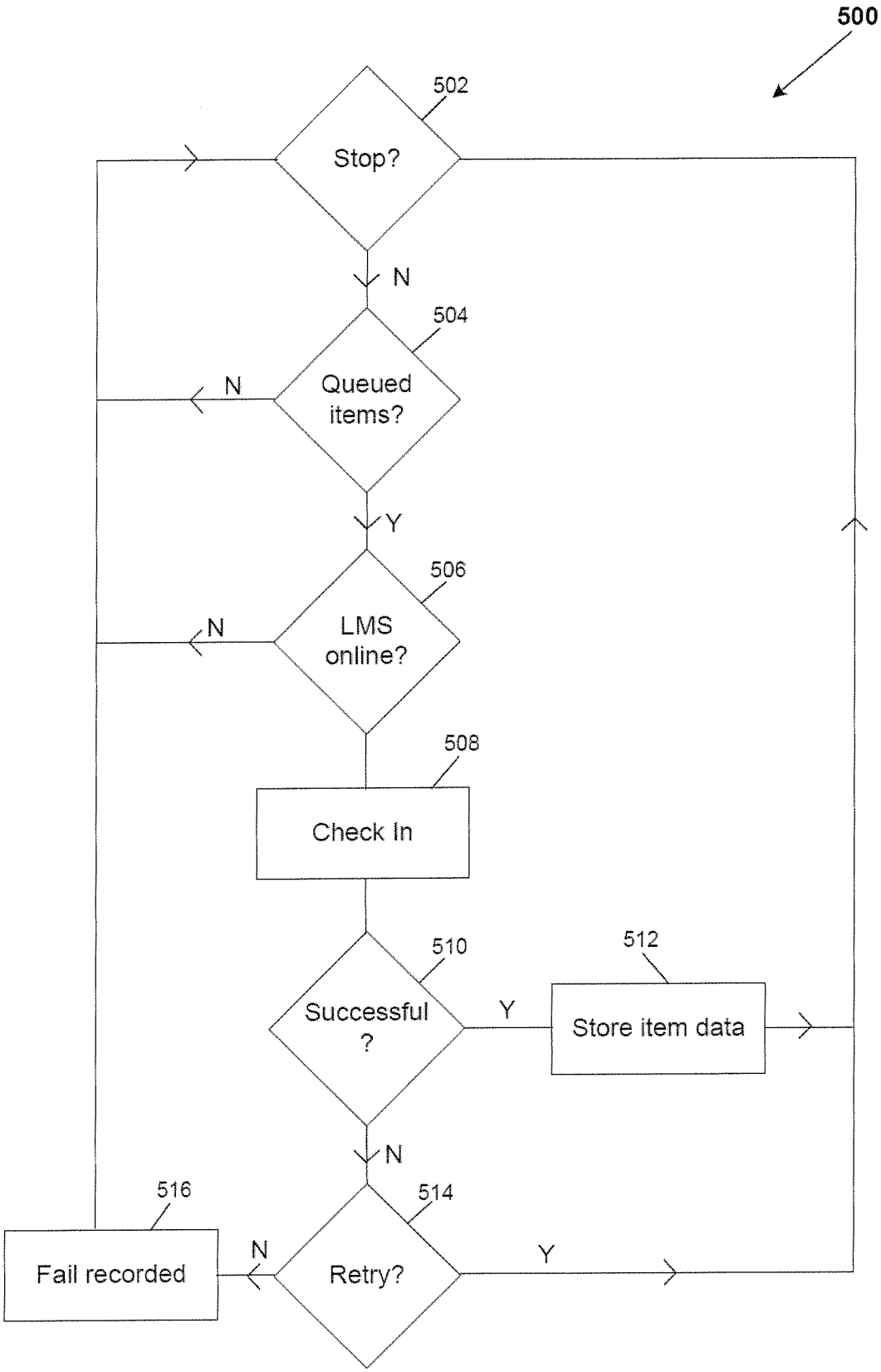

500
502
Stop?
N
504
Queued items?
N
Y
506
LMS online?
N
508
Check In
510
Successful ?
512
Y
Store item data
N
516
Fail recorded
N
514
Retry?
Y

FIGURE 5

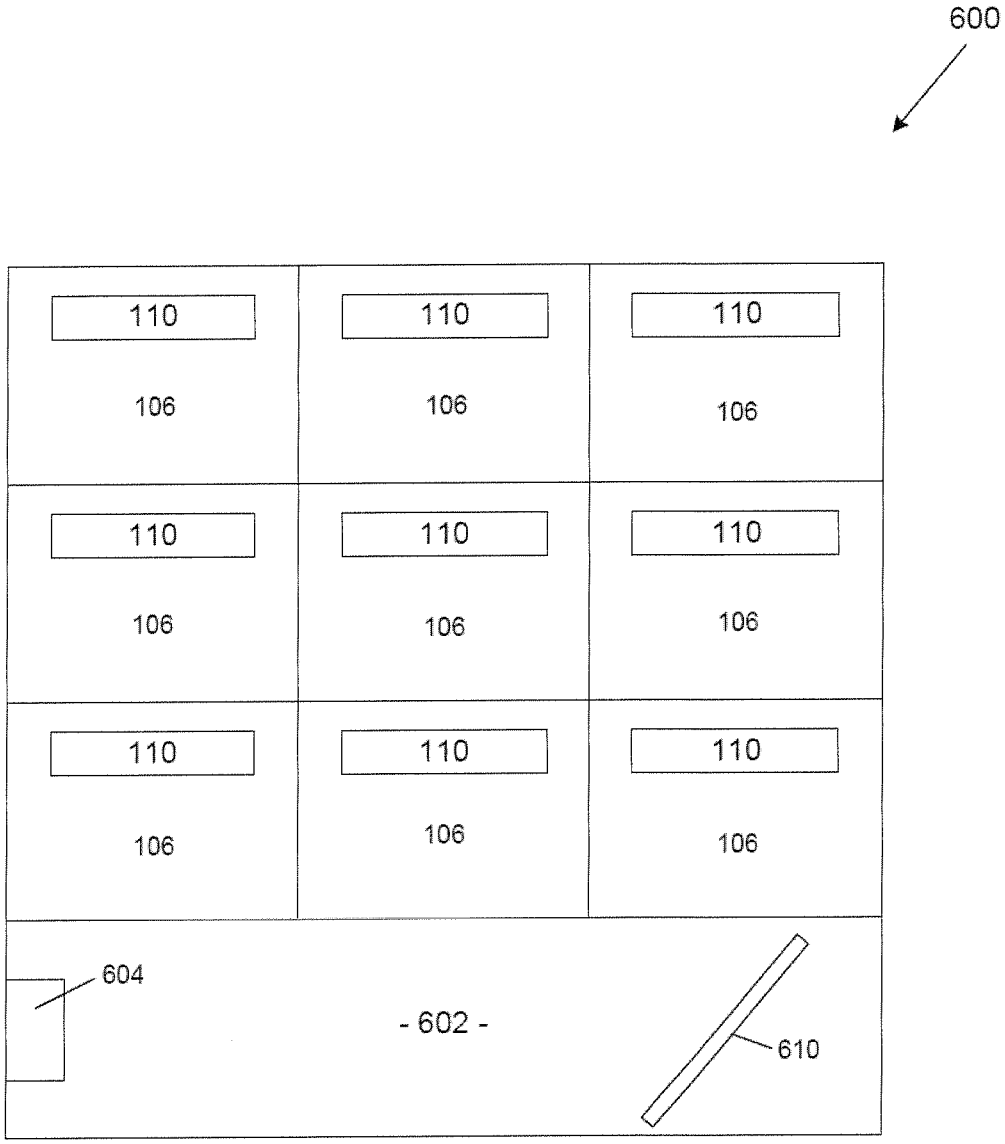

600
110
106
110
106
110
106
110
106
110
106
110
106
110
106
110
106
110
106
604
- 602 -
610

FIGURE 6