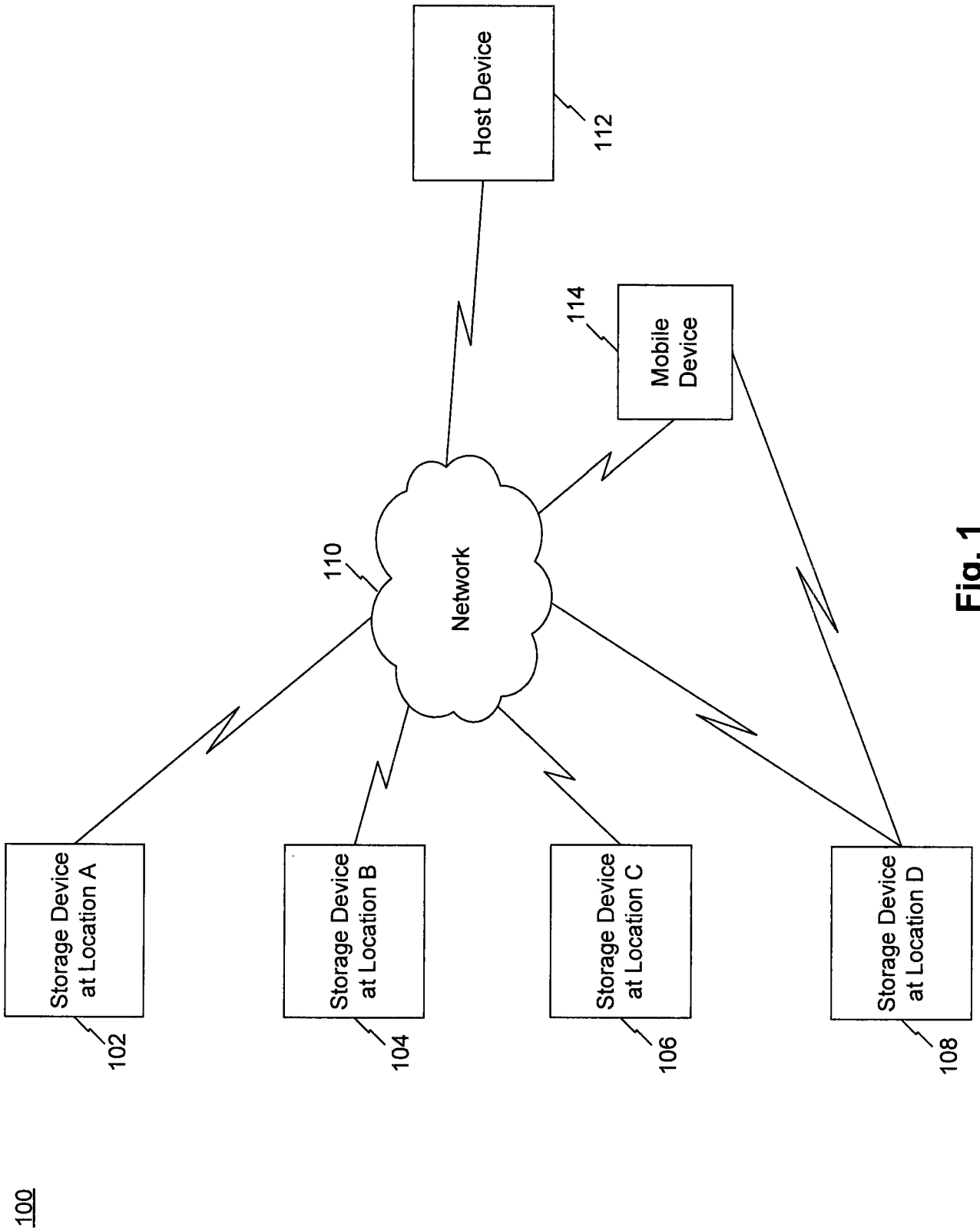
Host Device
112
114
Mobile Device
Network
110
Storage Device at Location A
102
Storage Device at Location B
104
Storage Device at Location C
106
Storage Device at Location D
108
100

Fig. 1

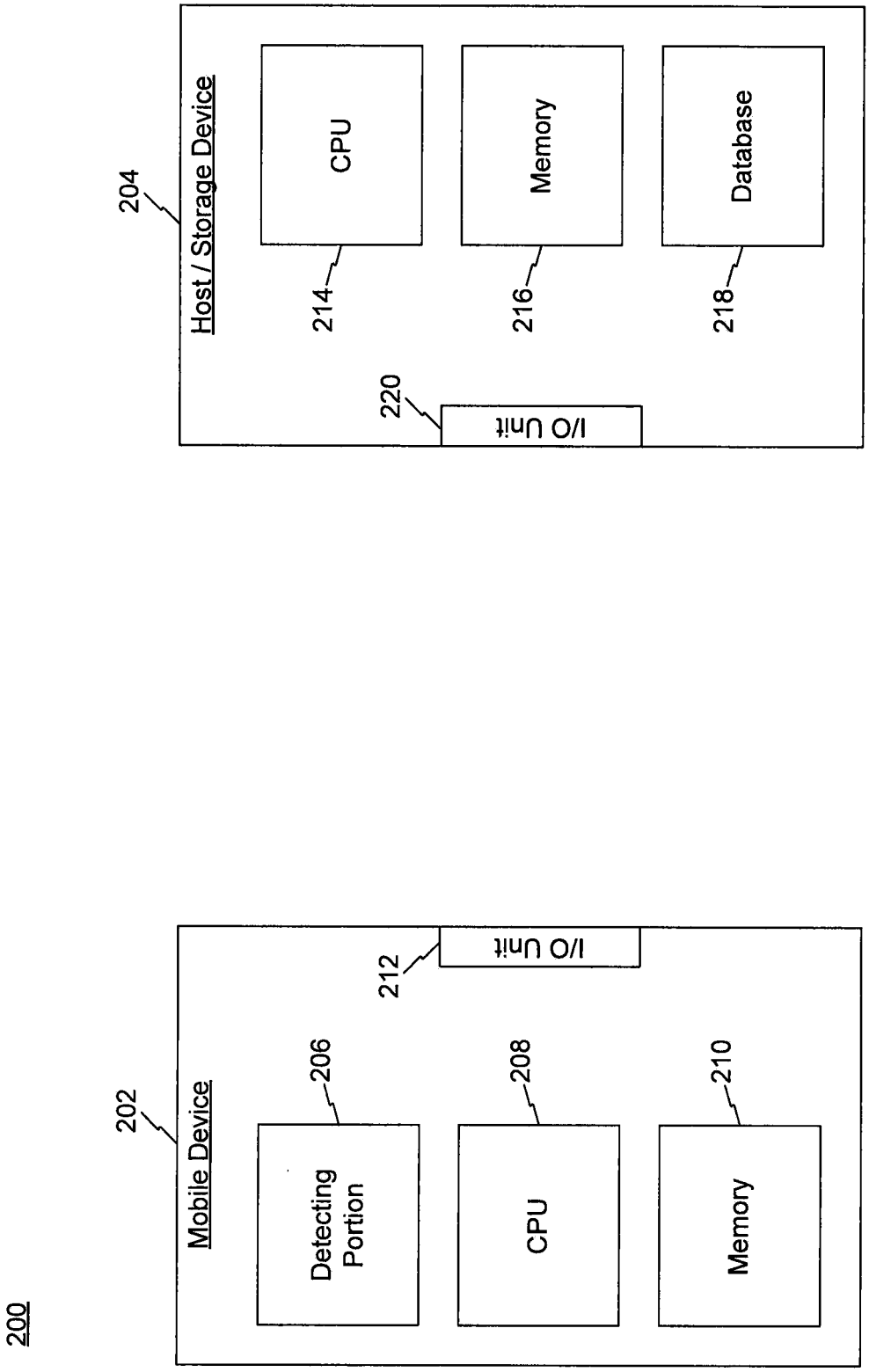
200
Mobile Device
202
Detecting Portion
206
CPU
208
Memory
210
I/O Unit
212
Host / Storage Device
204
CPU
214
Memory
216
Database
218
I/O Unit
220

Fig. 2

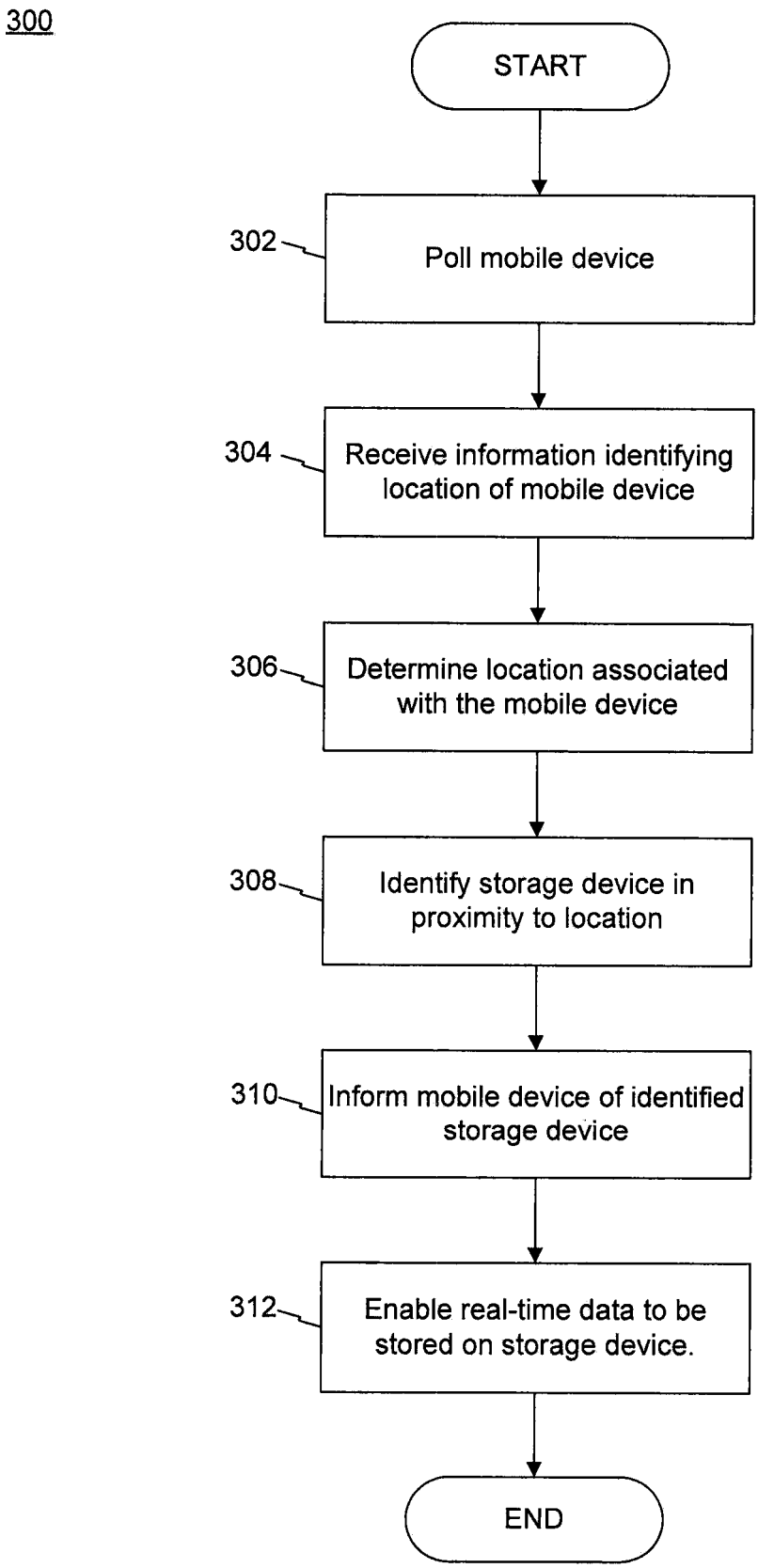
300
START
302
Poll mobile device
304
Receive information identifying location of mobile device
306
Determine location associated with the mobile device
308
Identify storage device in proximity to location
310
Inform mobile device of identified storage device
312
Enable real-time data to be stored on storage device.
END

Fig. 3

400

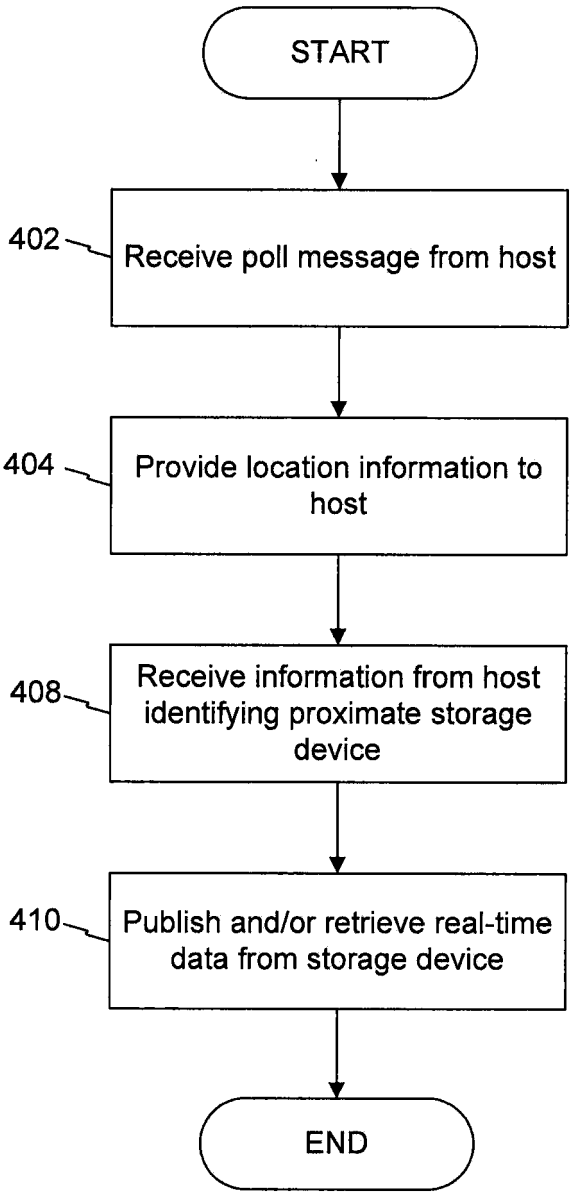
START
402
Receive poll message from host
404
Provide location information to host
408
Receive information from host identifying proximate storage device
410
Publish and/or retrieve real-time data from storage device
END

Fig. 4

500

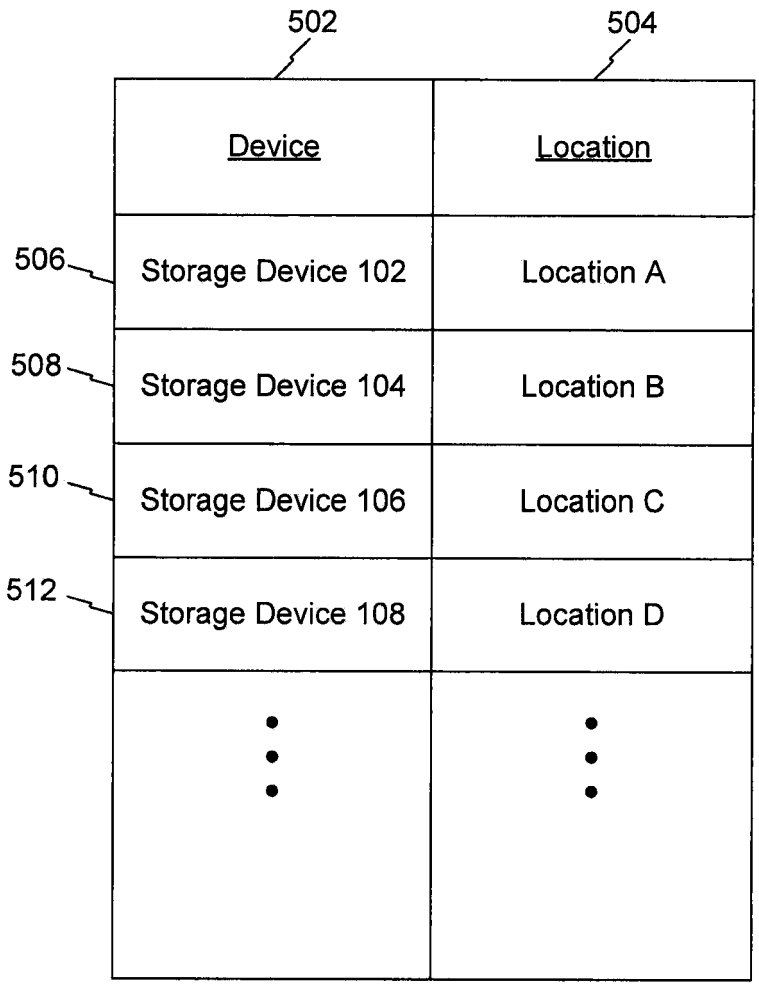
502
504
Device
Location
506
Storage Device 102
Location A
508
Storage Device 104
Location B
510
Storage Device 106
Location C
512
Storage Device 108
Location D

Fig. 5

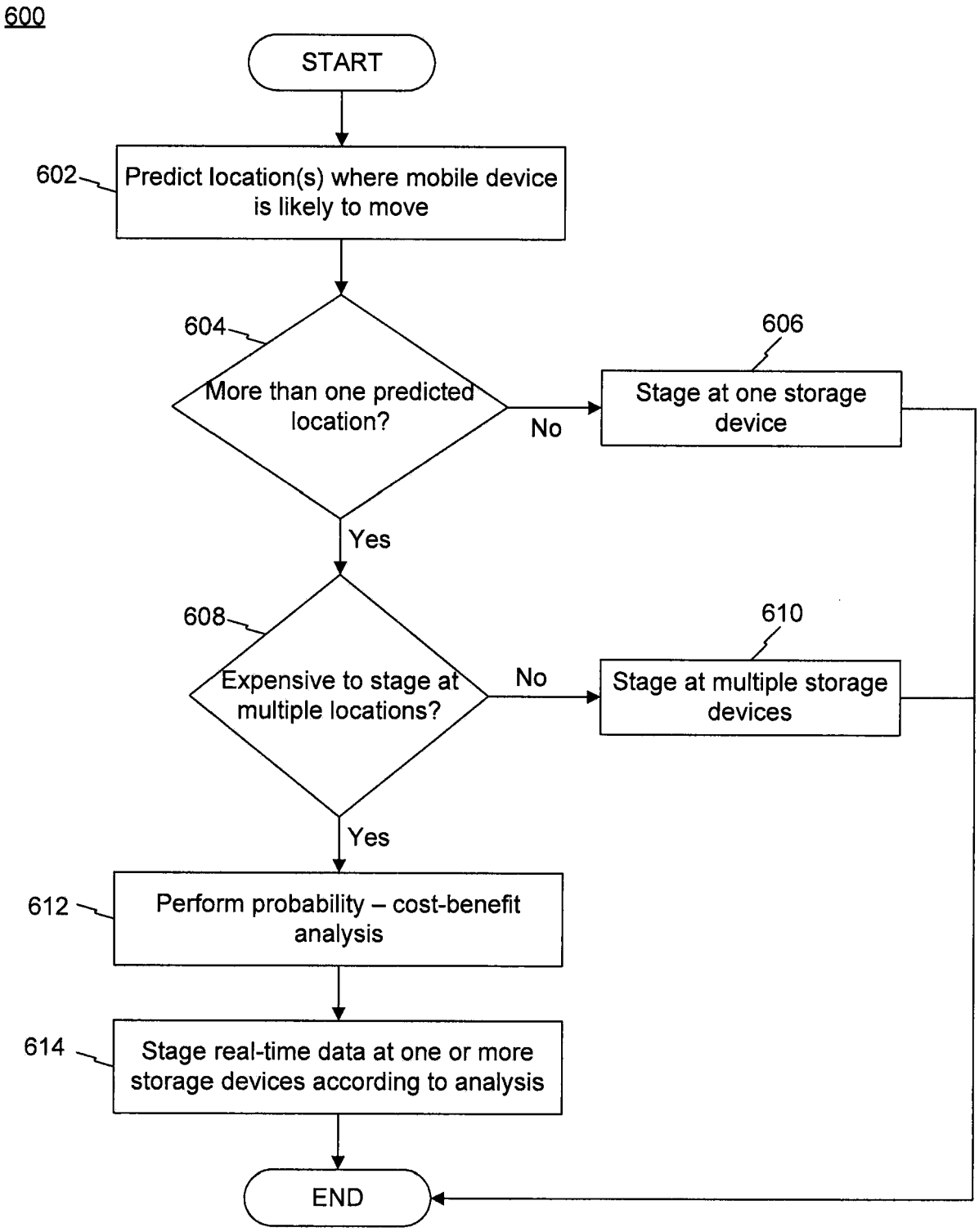
600
START
602
Predict location(s) where mobile device is likely to move
604
More than one predicted location?
No
606
Stage at one storage device
Yes
608
Expensive to stage at multiple locations?
No
610
Stage at multiple storage devices
Yes
612
Perform probability – cost-benefit analysis
614
Stage real-time data at one or more storage devices according to analysis
END

Fig. 6