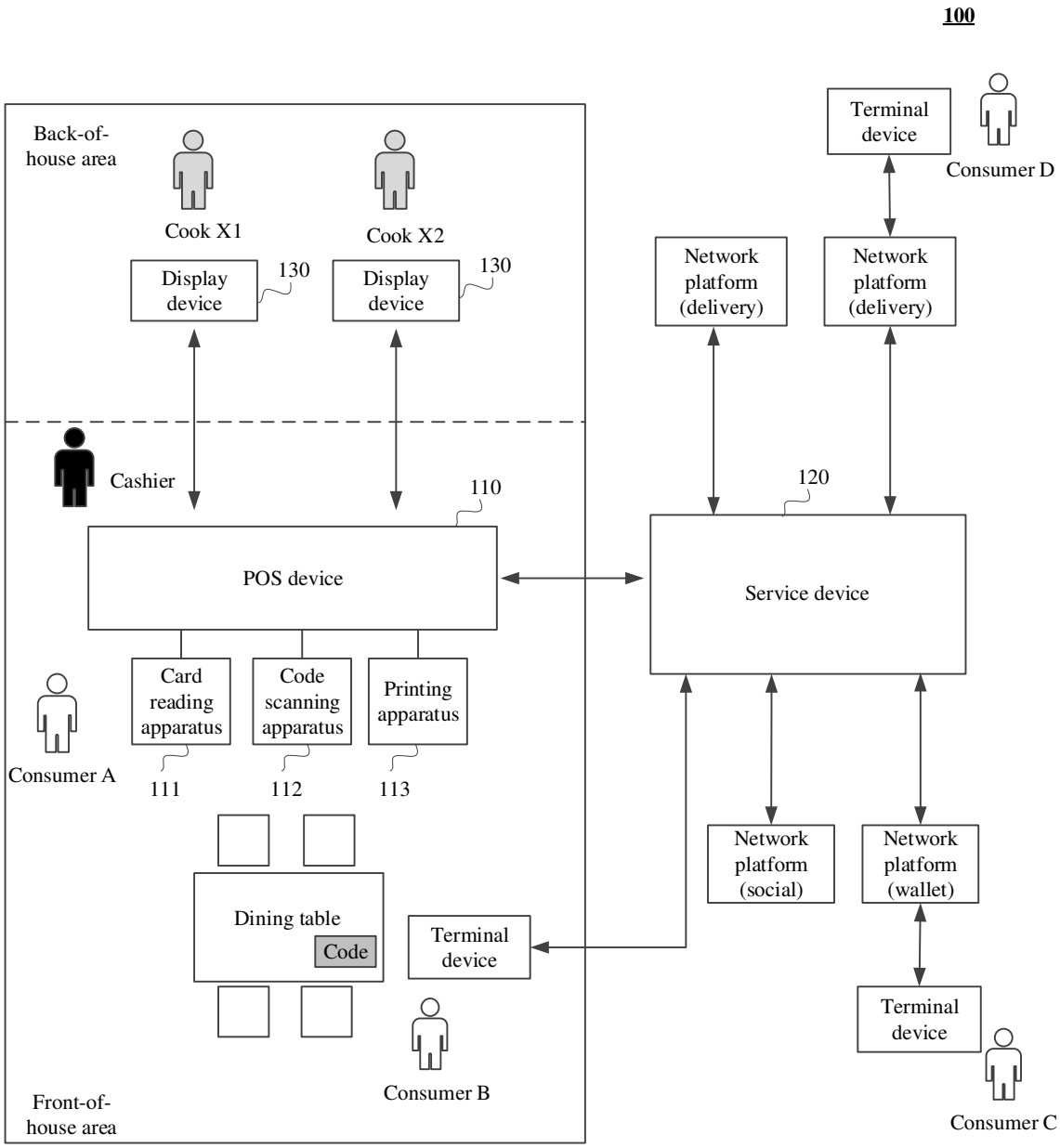
100
Back-of-house area
Cook X1
Cook X2
Display device
130
Display device
130
Cashier
110
POS device
Card reading apparatus
Code scanning apparatus
Printing apparatus
111
112
113
Consumer A
Dining table
Code
Terminal device
Consumer B
Front-of-house area
Terminal device
Consumer D
Network platform (delivery)
Network platform (delivery)
120
Service device
Network platform (social)
Network platform (wallet)
Terminal device
Consumer C

FIG. 1

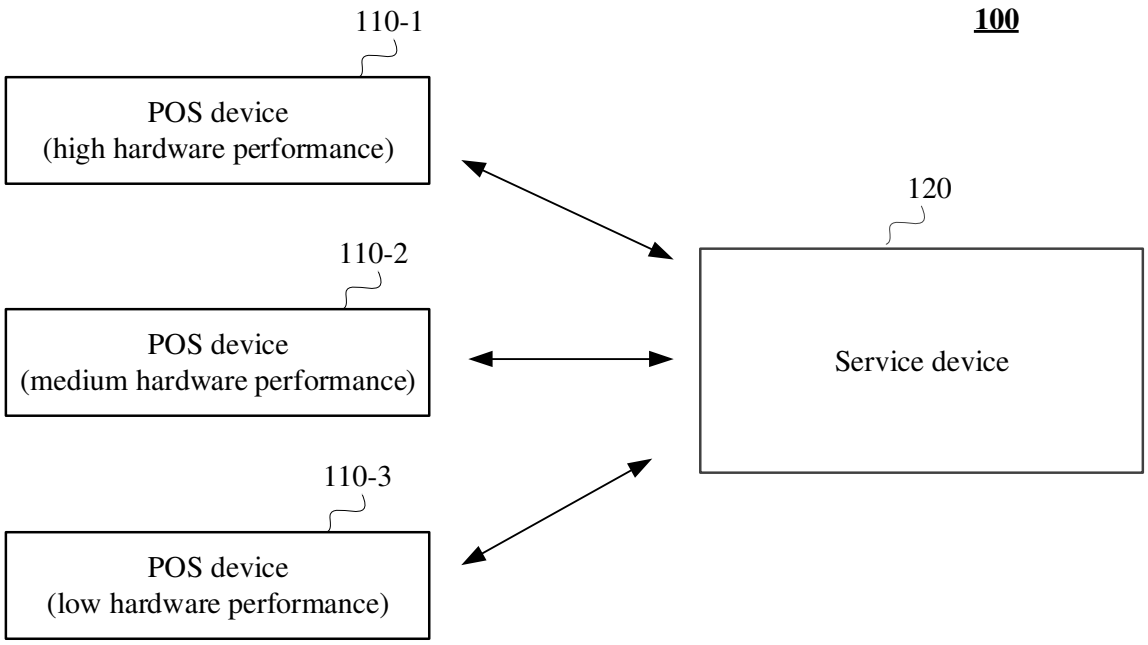
110-1
100
POS device
(high hardware performance)
120
110-2
POS device
(medium hardware performance)
Service device
110-3
POS device
(low hardware performance)

FIG. 2

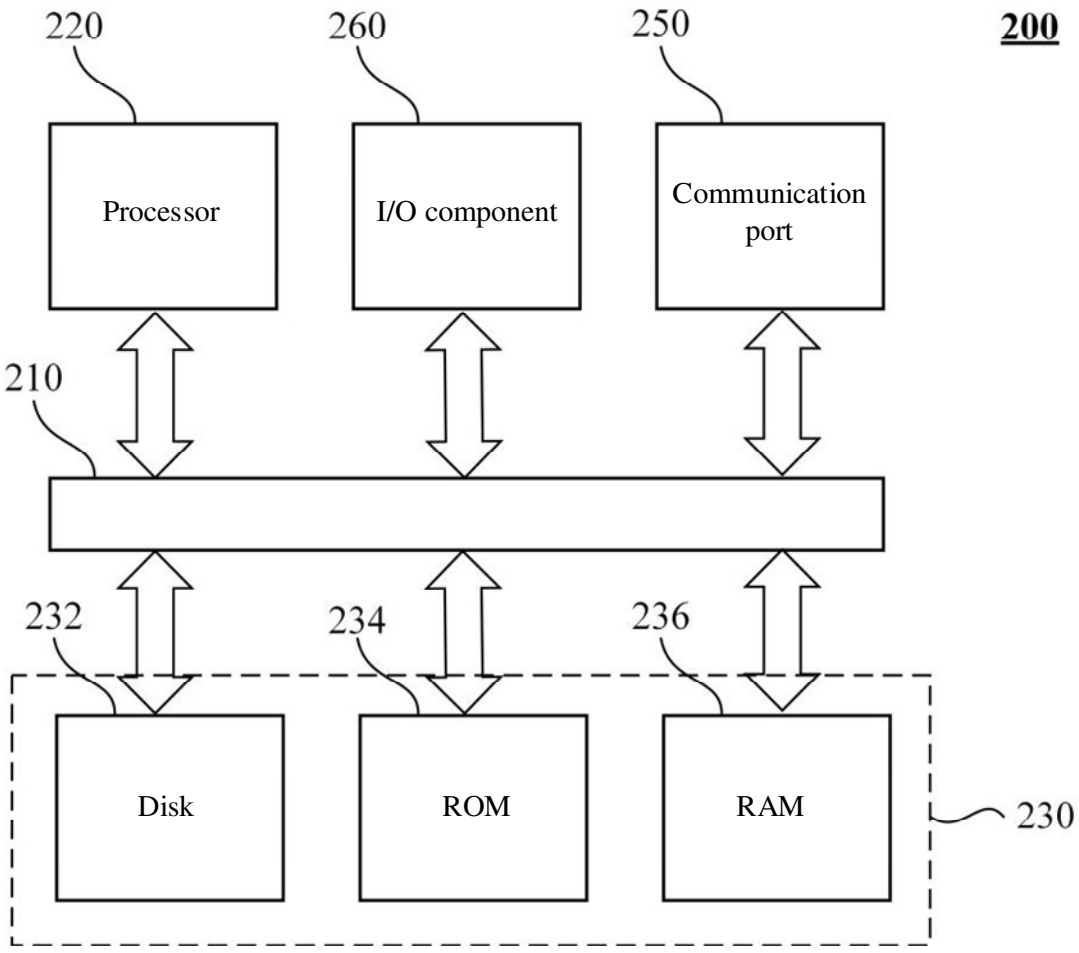
220
260
250
200
Processor
I/O component
Communication port
210
232
234
236
Disk
ROM
RAM
230

FIG. 3

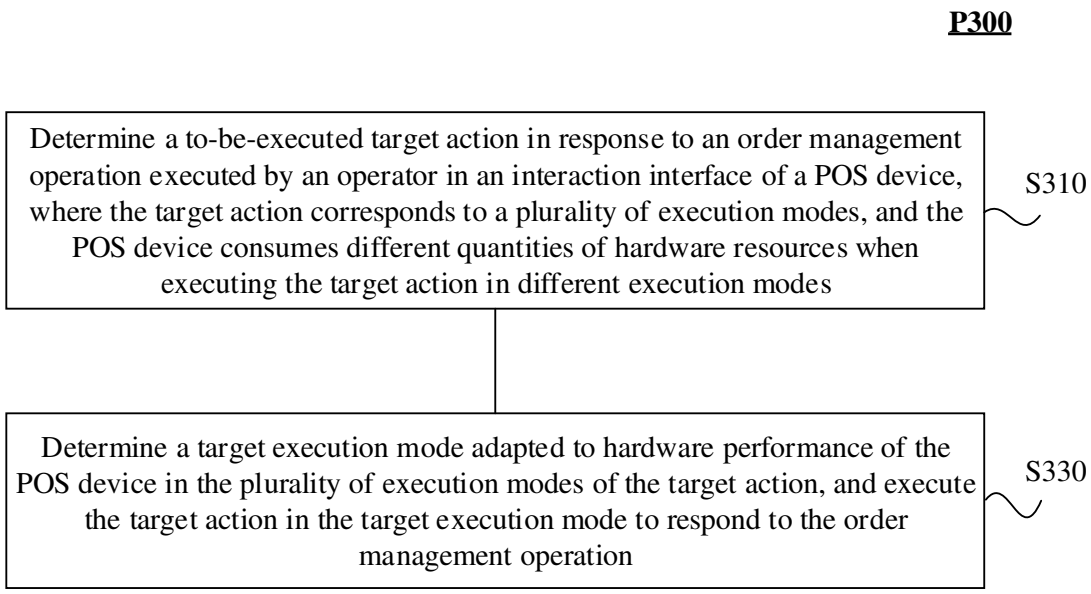
P300
Determine a to-be-executed target action in response to an order management operation executed by an operator in an interaction interface of a POS device, where the target action corresponds to a plurality of execution modes, and the POS device consumes different quantities of hardware resources when executing the target action in different execution modes
S310
Determine a target execution mode adapted to hardware performance of the POS device in the plurality of execution modes of the target action, and execute the target action in the target execution mode to respond to the order management operation
S330

FIG. 4

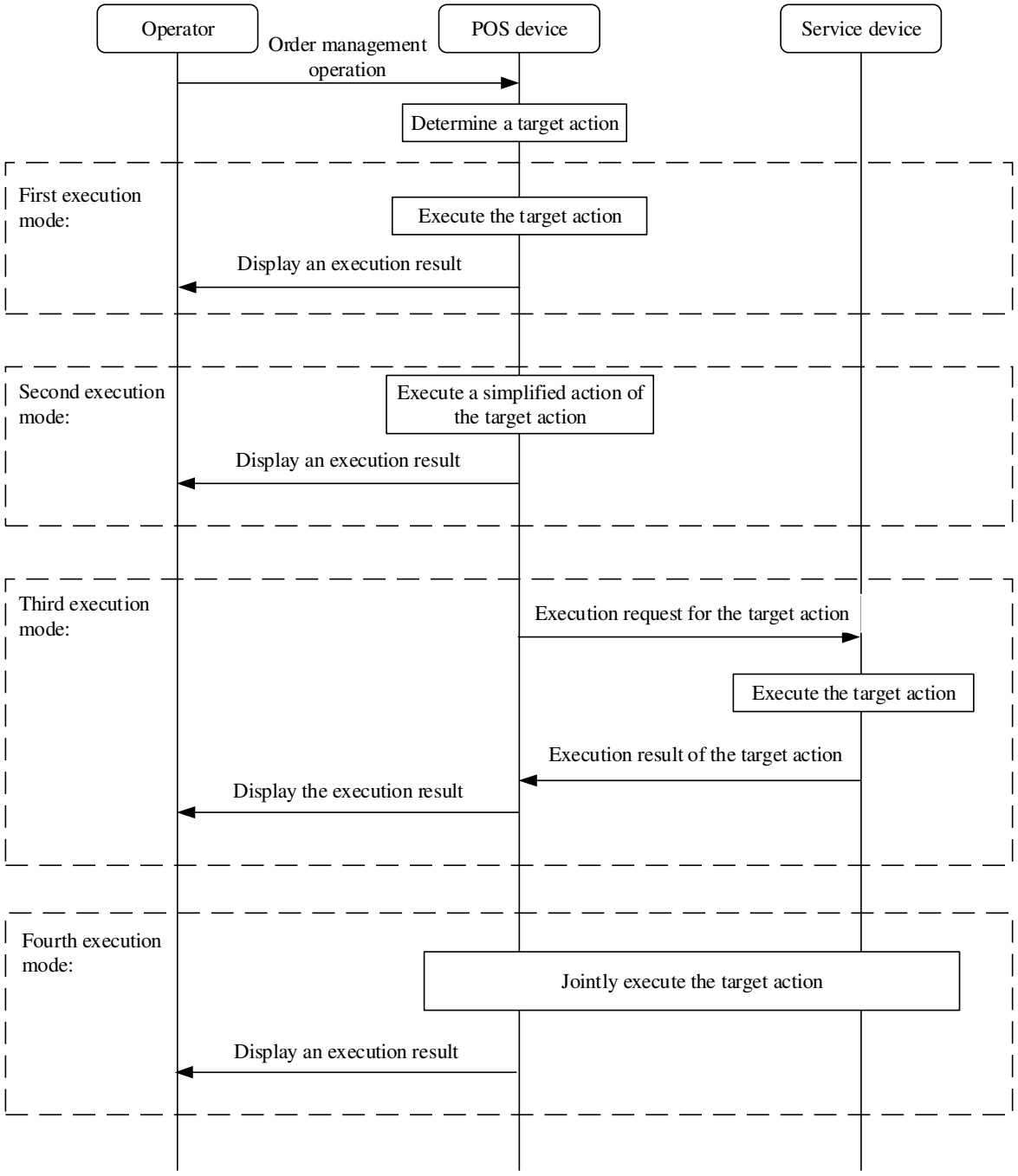
Operator
POS device
Service device
Order management operation
Determine a target action
First execution mode:
Execute the target action
Display an execution result
Second execution mode:
Execute a simplified action of the target action
Display an execution result
Third execution mode:
Execution request for the target action
Execute the target action
Execution result of the target action
Display the execution result
Fourth execution mode:
Jointly execute the target action
Display an execution result

FIG. 5

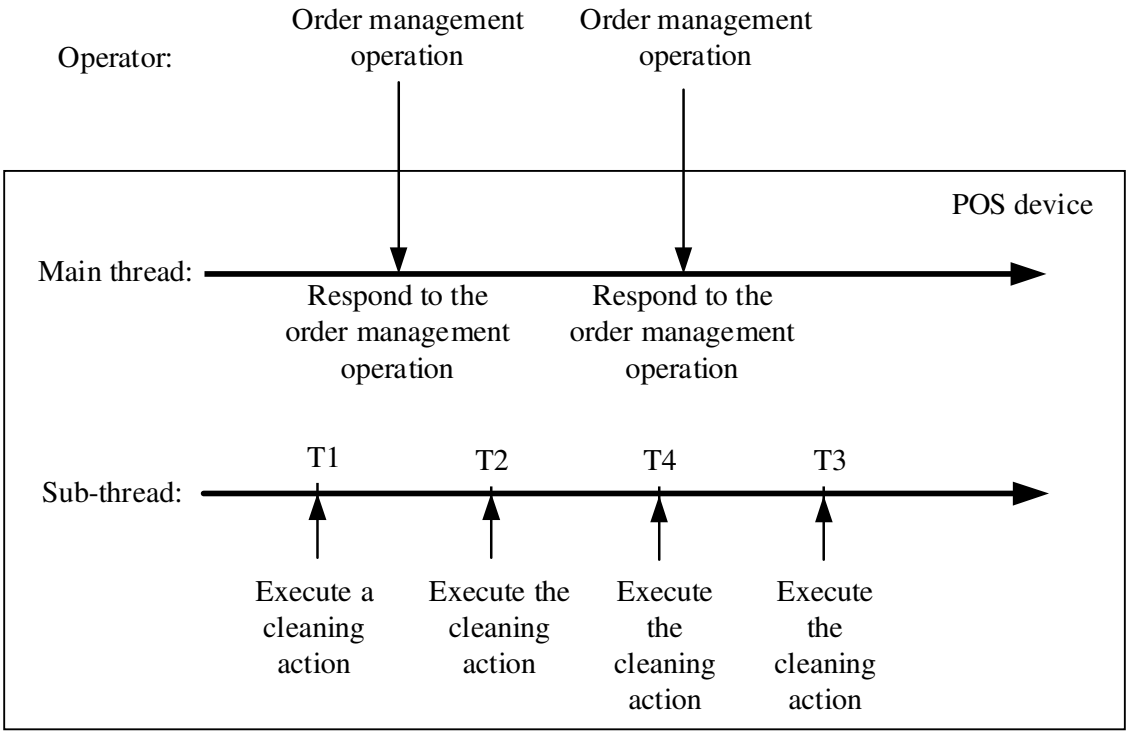
Operator:
Order management operation
Order management operation
POS device
Main thread:
Respond to the order management operation
Respond to the order management operation
Sub-thread:
T1
T2
T4
T3
Execute a cleaning action
Execute the cleaning action
Execute the cleaning action
Execute the cleaning action

FIG. 6

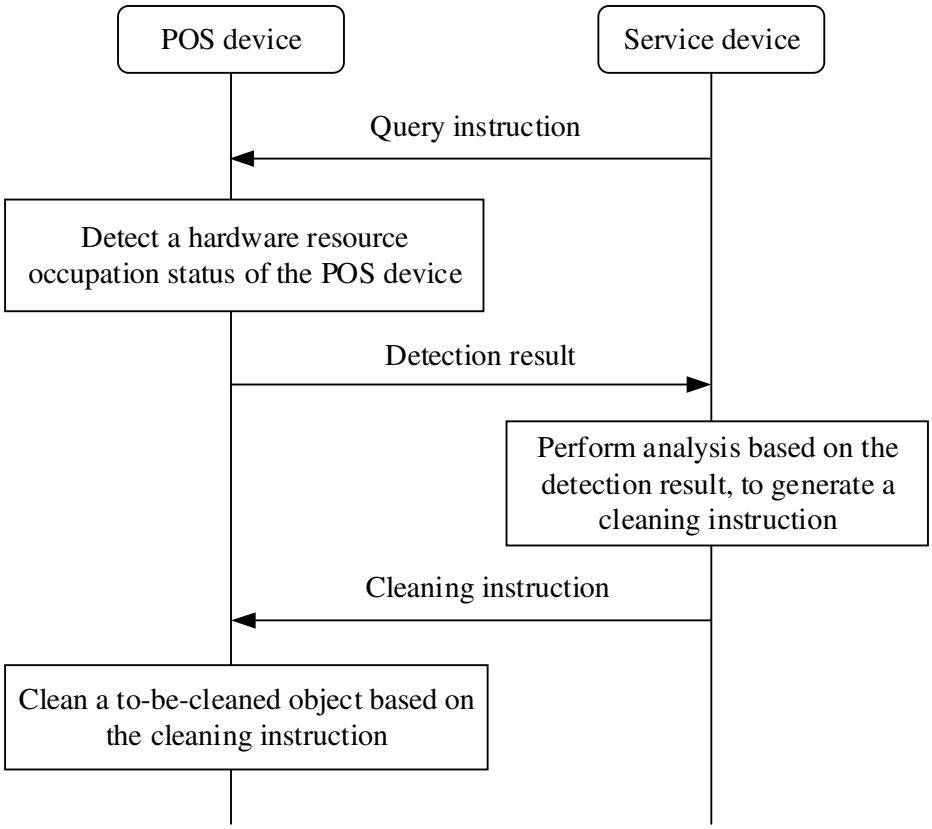
POS device
Service device
Query instruction
Detect a hardware resource occupation status of the POS device
Detection result
Perform analysis based on the detection result, to generate a cleaning instruction
Cleaning instruction
Clean a to-be-cleaned object based on the cleaning instruction

FIG. 7