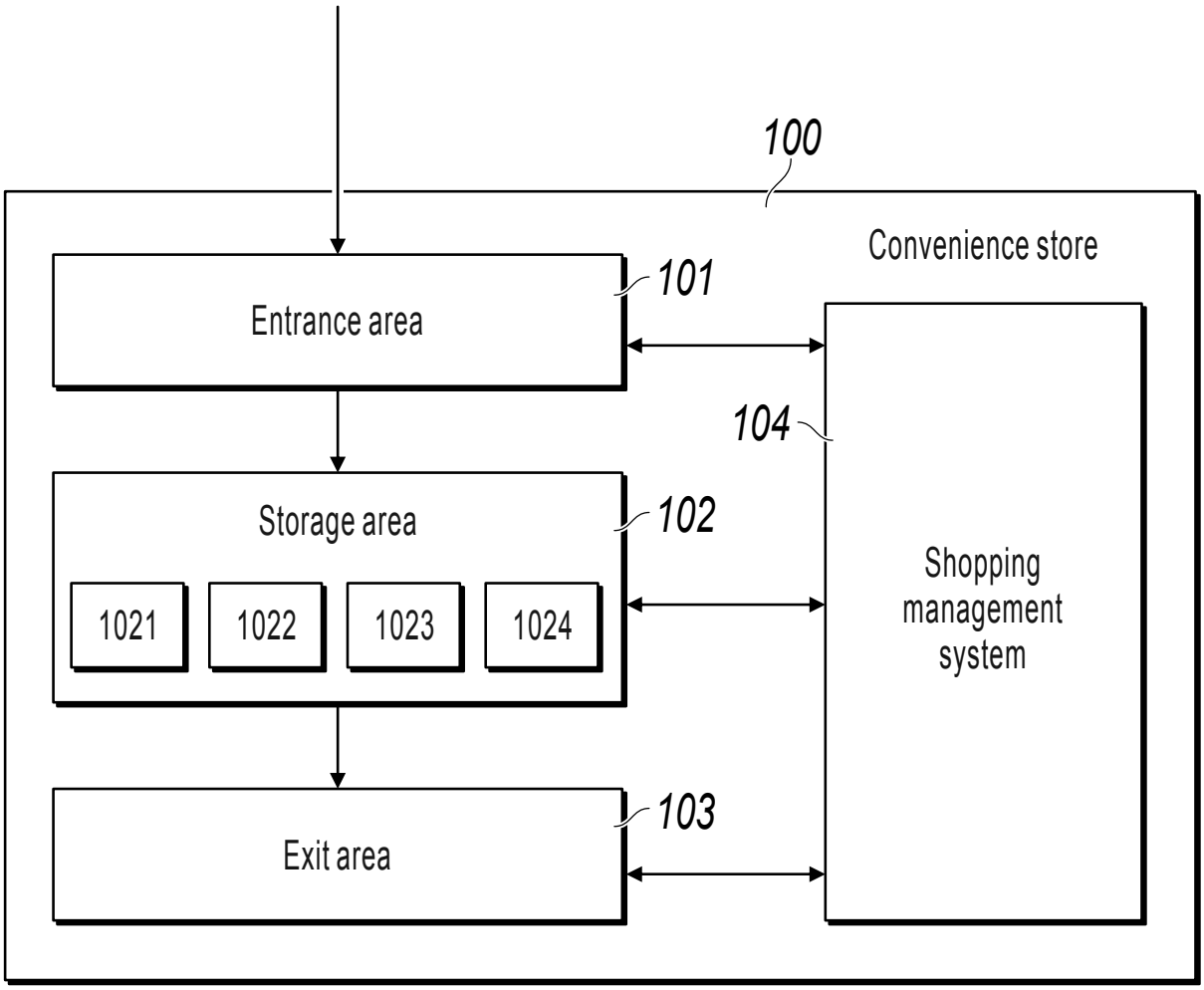
100
Convenience store
101
Entrance area
104
Shopping
management
system
Storage area
102
1021
1022
1023
1024
103
Exit area

FIG. 1

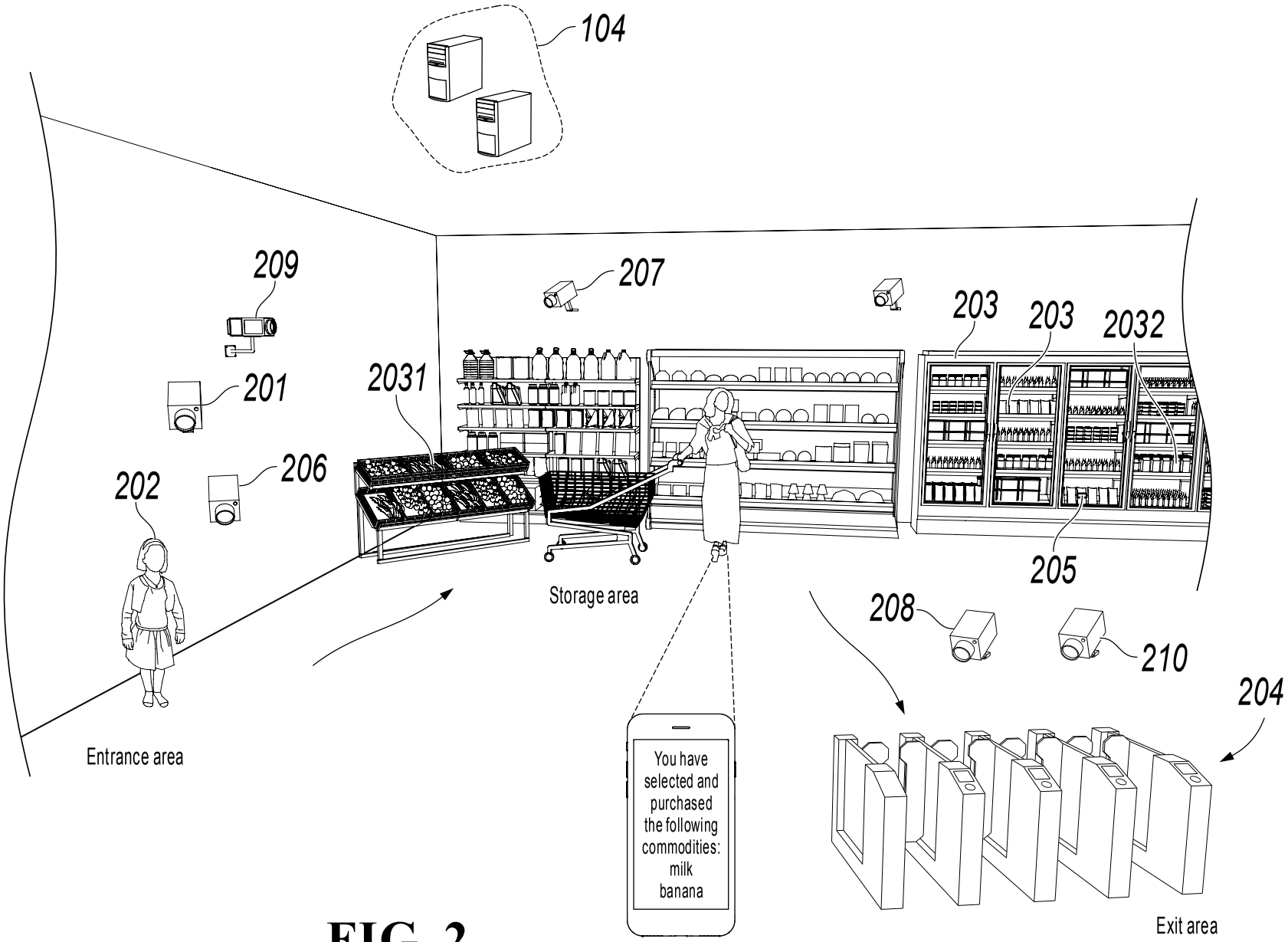
104
209
207
203
203
2032
201
2031
206
202
205
Storage area
208
210
204
Entrance area
You have selected and purchased the following commodities: milk banana
Exit area

FIG. 2

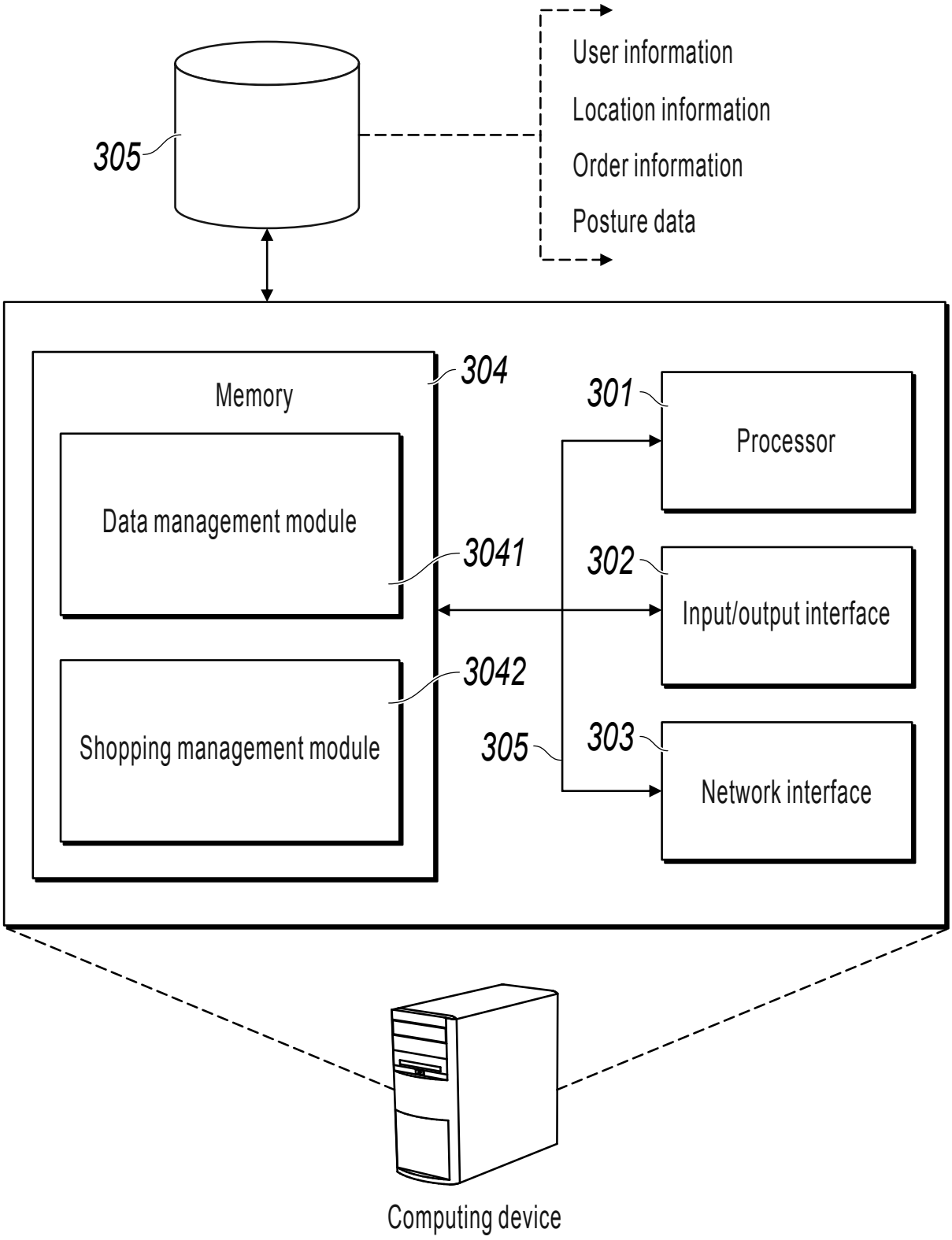
User information
Location information
Order information
Posture data
305
Memory
304
Data management module
3041
Shopping management module
3042
301
Processor
302
Input/output interface
305
303
Network interface
Computing device

FIG. 3

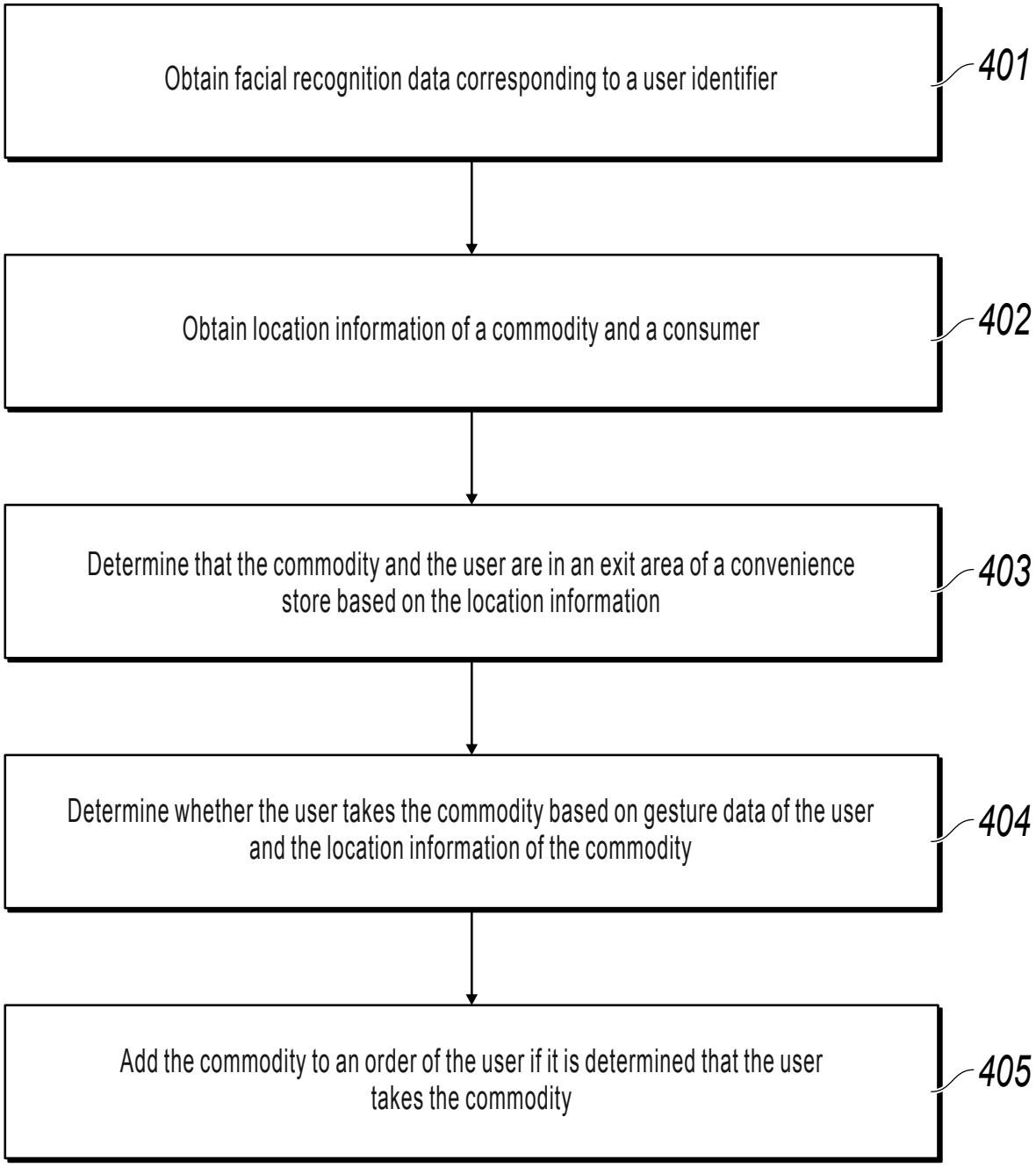
Obtain facial recognition data corresponding to a user identifier
401
Obtain location information of a commodity and a consumer
402
Determine that the commodity and the user are in an exit area of a convenience store based on the location information
403
Determine whether the user takes the commodity based on gesture data of the user and the location information of the commodity
404
Add the commodity to an order of the user if it is determined that the user takes the commodity
405

FIG. 4

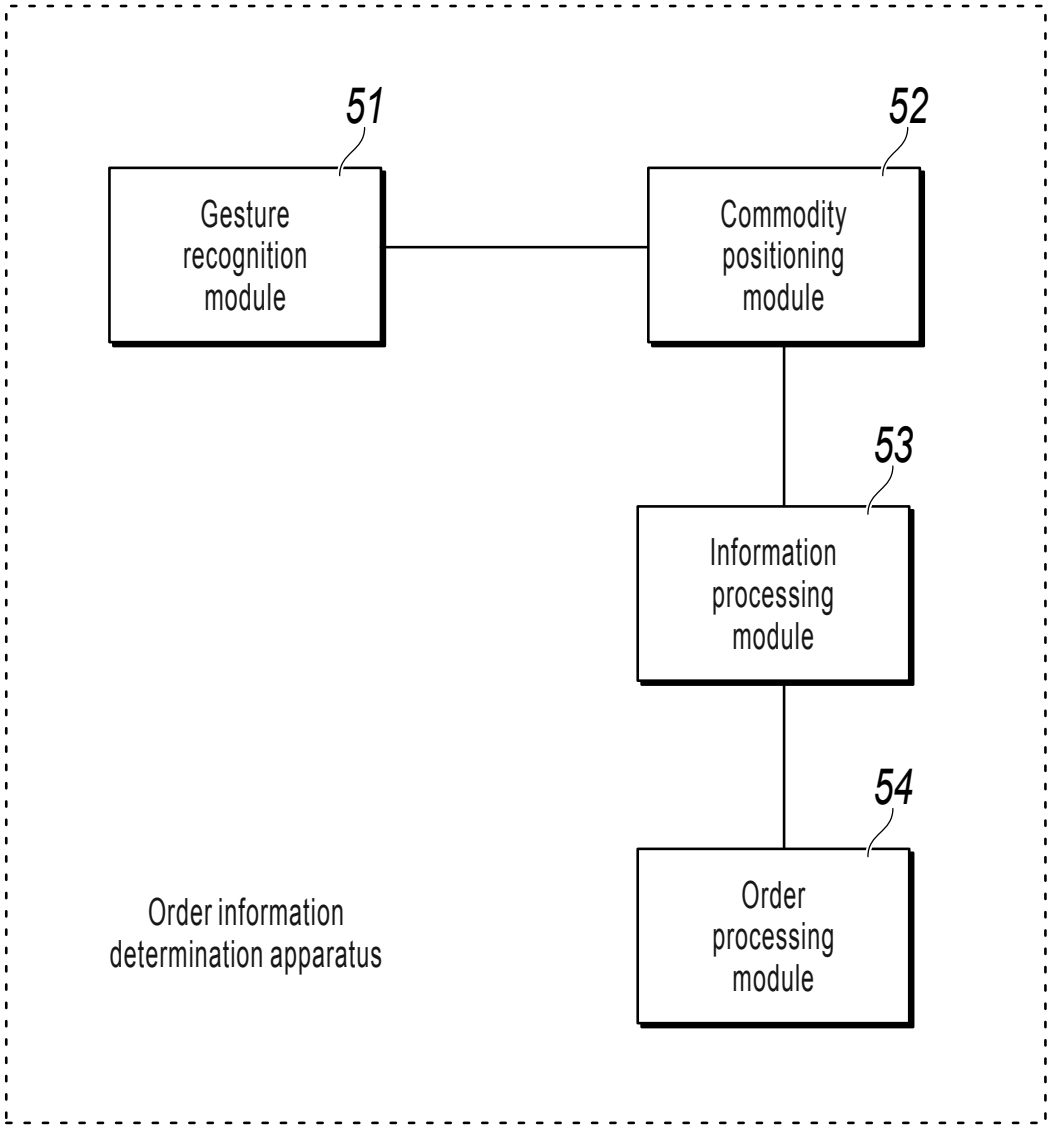
51
52
Gesture recognition module
Commodity positioning module
53
Information processing module
54
Order processing module
Order information determination apparatus

FIG. 5