100

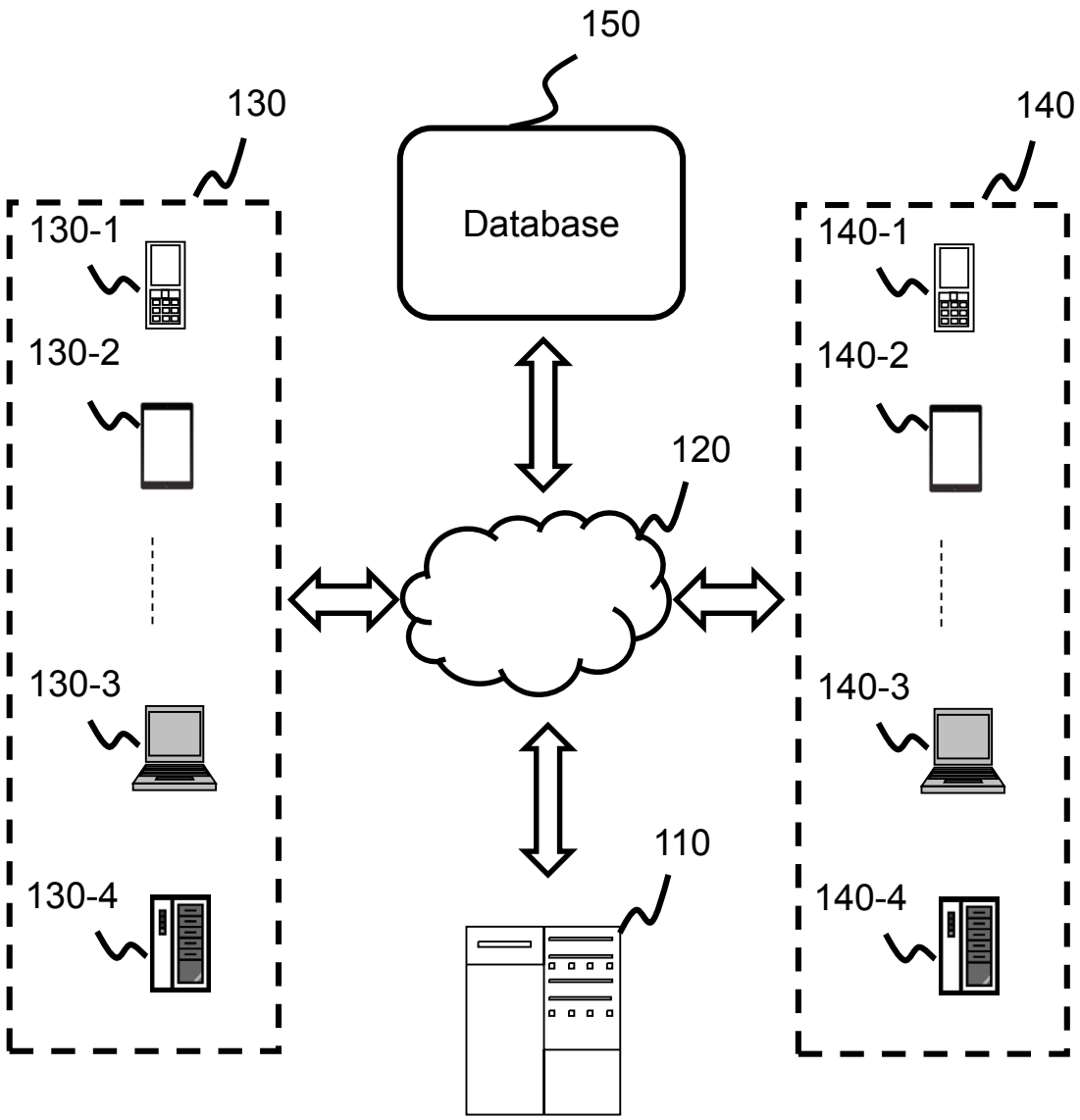

150
130
140
Database
130-1
130-2
130-3
130-4
140-1
140-2
140-3
140-4
120
110

FIG. 1

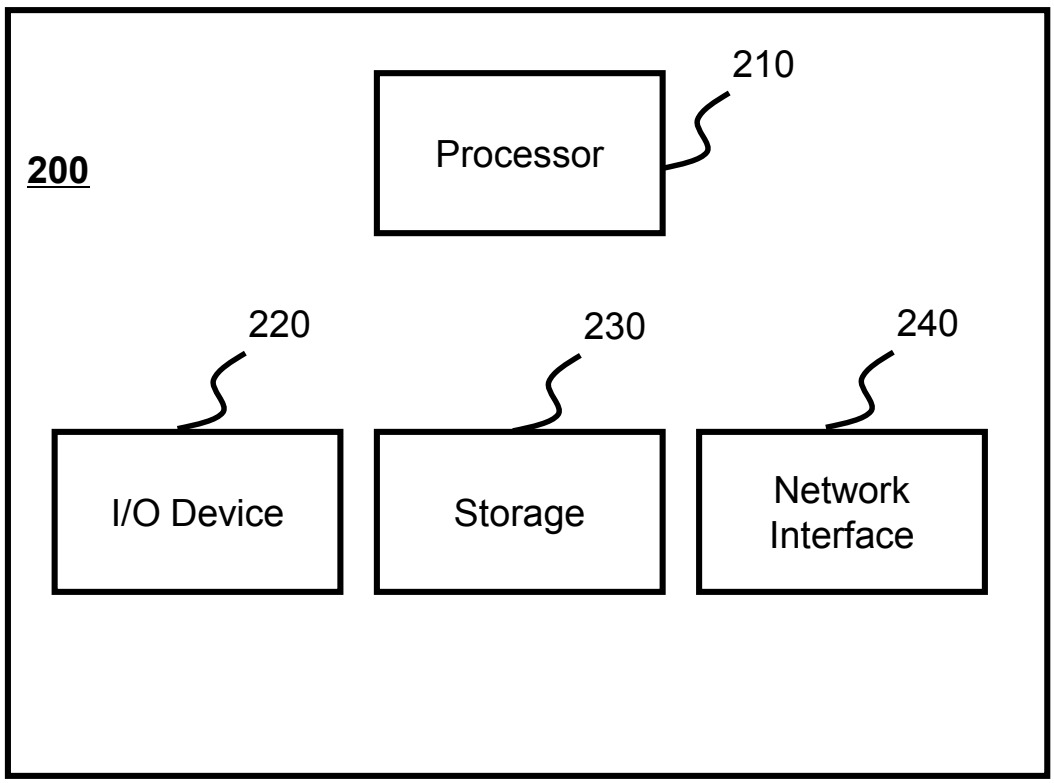

200
Processor
210
220
I/O Device
230
Storage
240
Network
Interface

FIG. 2

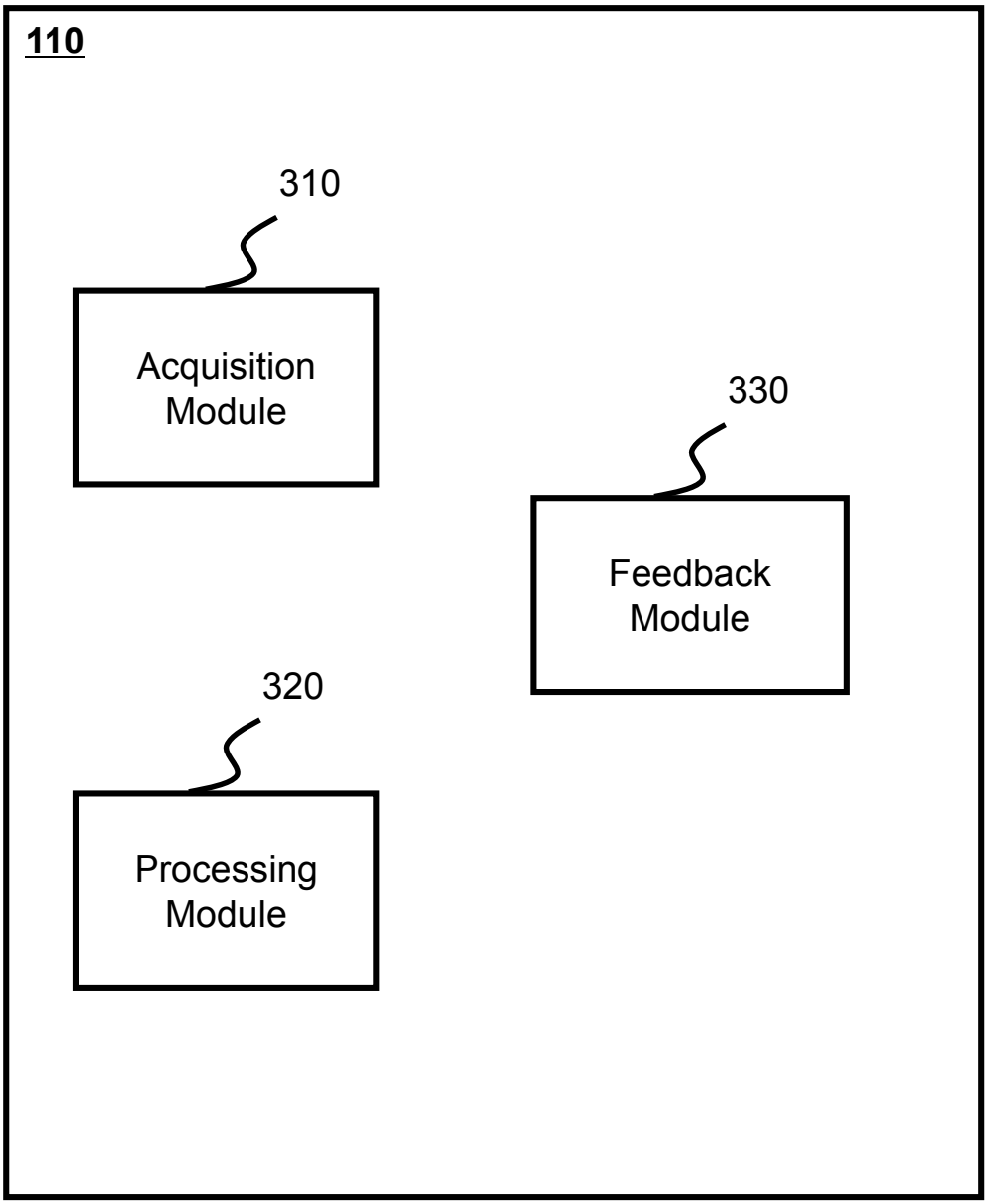

110
310
Acquisition Module
330
Feedback Module
320
Processing Module

FIG. 3

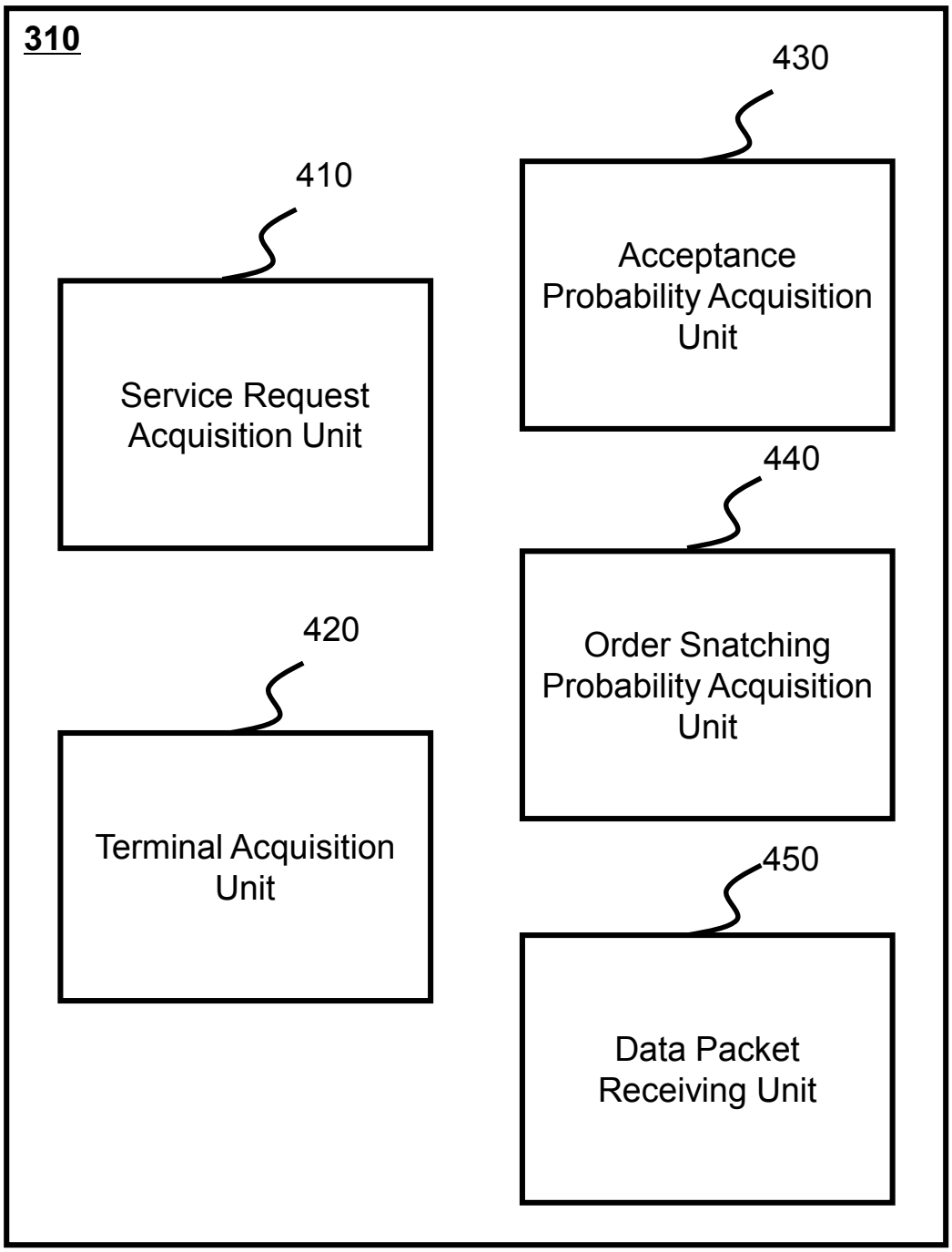

310
410
Service Request Acquisition Unit
420
Terminal Acquisition Unit
430
Acceptance Probability Acquisition Unit
440
Order Snatching Probability Acquisition Unit
450
Data Packet Receiving Unit

FIG. 4

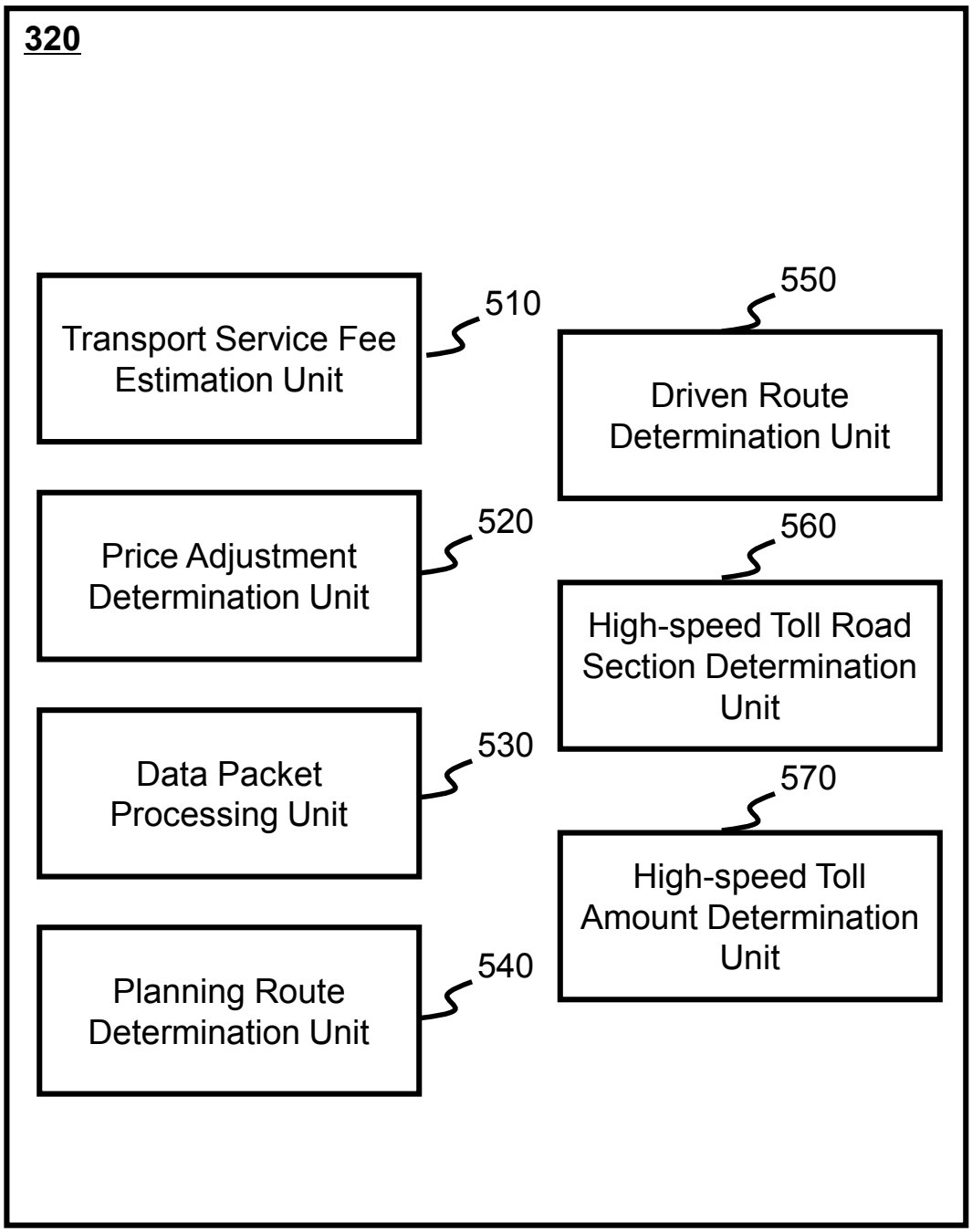

320
Transport Service Fee Estimation Unit
510
Price Adjustment Determination Unit
520
Data Packet Processing Unit
530
Planning Route Determination Unit
540
Driven Route Determination Unit
550
High-speed Toll Road Section Determination Unit
560
High-speed Toll Amount Determination Unit
570

FIG. 5

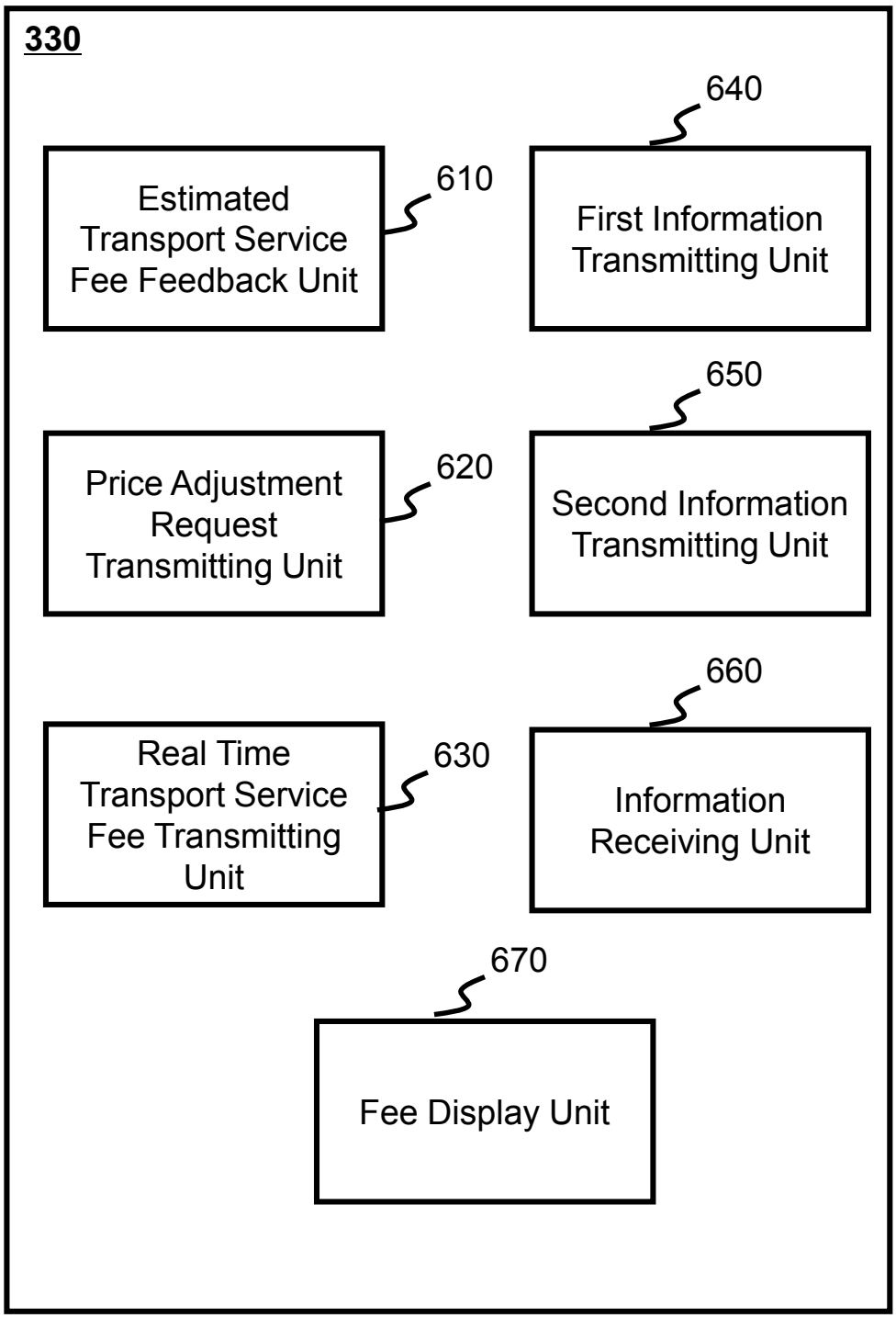

330
640
Estimated Transport Service Fee Feedback Unit
610
First Information Transmitting Unit
650
Price Adjustment Request Transmitting Unit
620
Second Information Transmitting Unit
660
Real Time Transport Service Fee Transmitting Unit
630
Information Receiving Unit
670
Fee Display Unit

FIG. 6

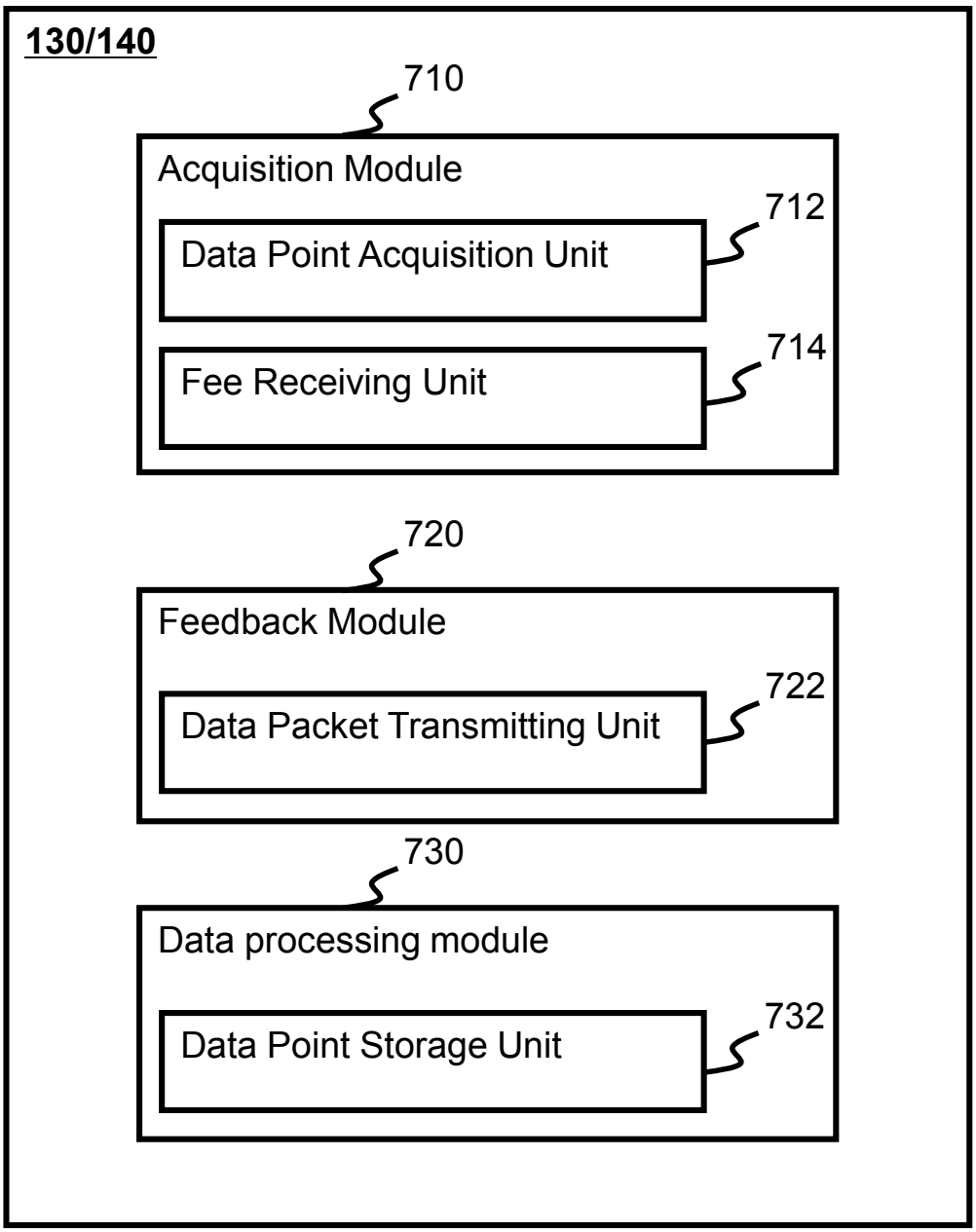

130/140
710
Acquisition Module
712
Data Point Acquisition Unit
714
Fee Receiving Unit
720
Feedback Module
722
Data Packet Transmitting Unit
730
Data processing module
732
Data Point Storage Unit

FIG. 7

800

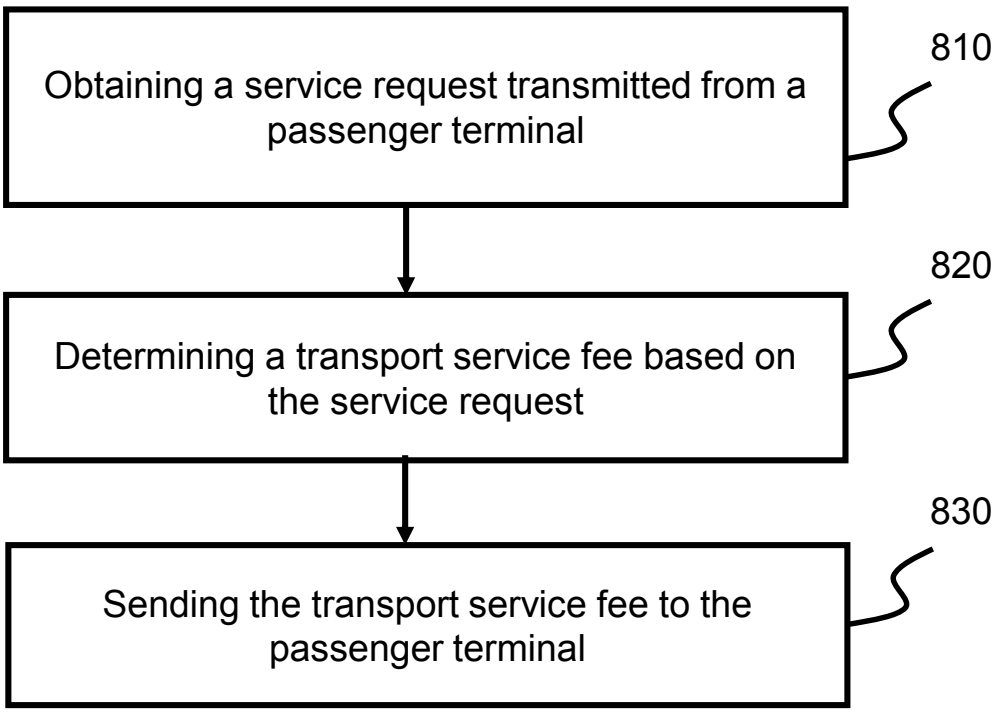

Obtaining a service request transmitted from a passenger terminal
810
Determining a transport service fee based on the service request
820
Sending the transport service fee to the passenger terminal
830

FIG. 8

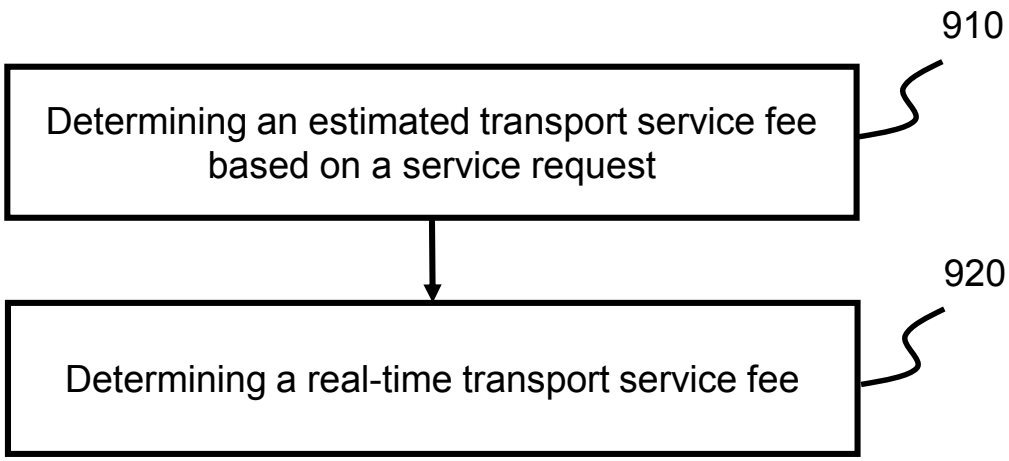

900
910
Determining an estimated transport service fee based on a service request
920
Determining a real-time transport service fee

FIG. 9

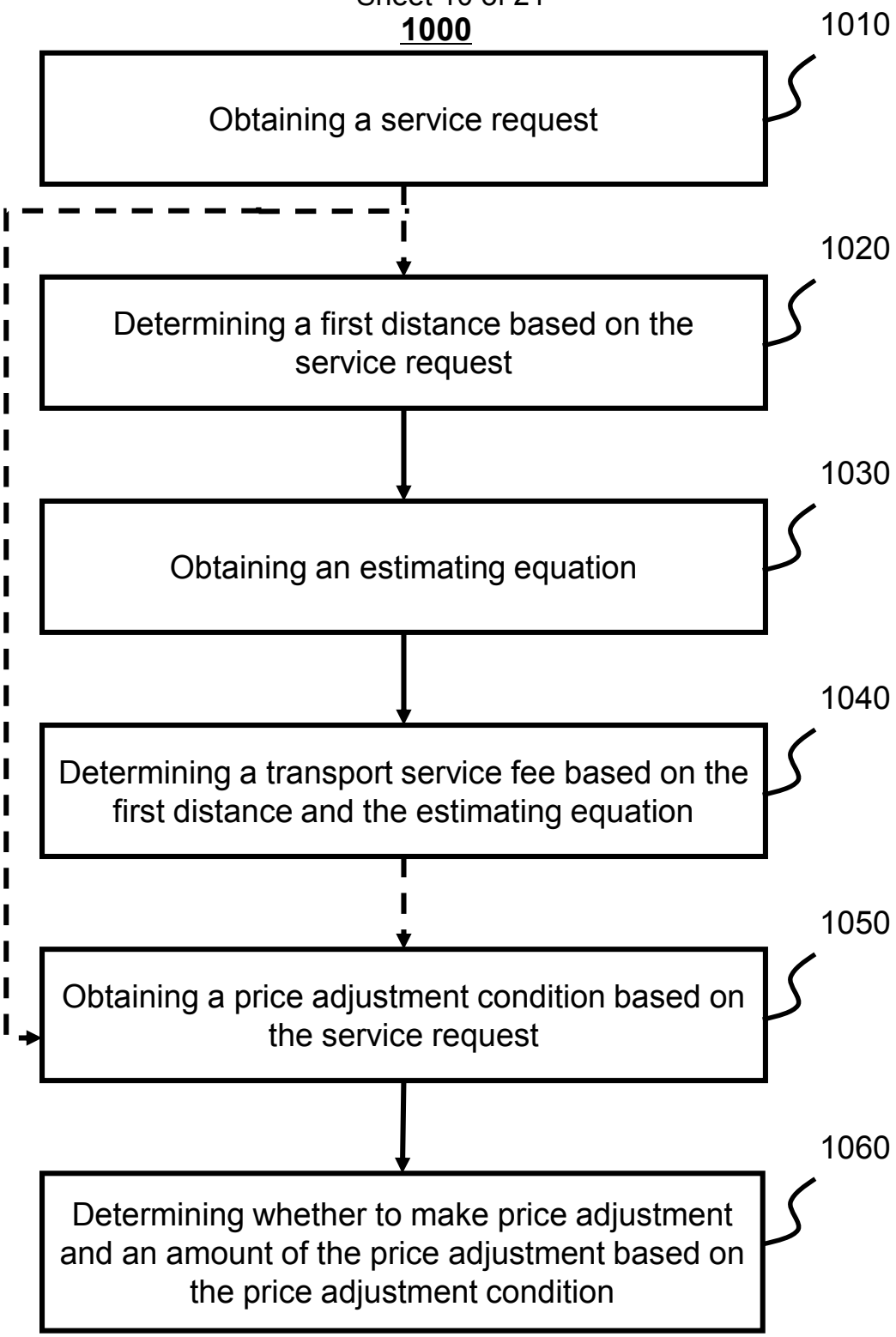

1000
1010
Obtaining a service request
1020
Determining a first distance based on the service request
1030
Obtaining an estimating equation
1040
Determining a transport service fee based on the first distance and the estimating equation
1050
Obtaining a price adjustment condition based on the service request
1060
Determining whether to make price adjustment and an amount of the price adjustment based on the price adjustment condition

FIG. 10

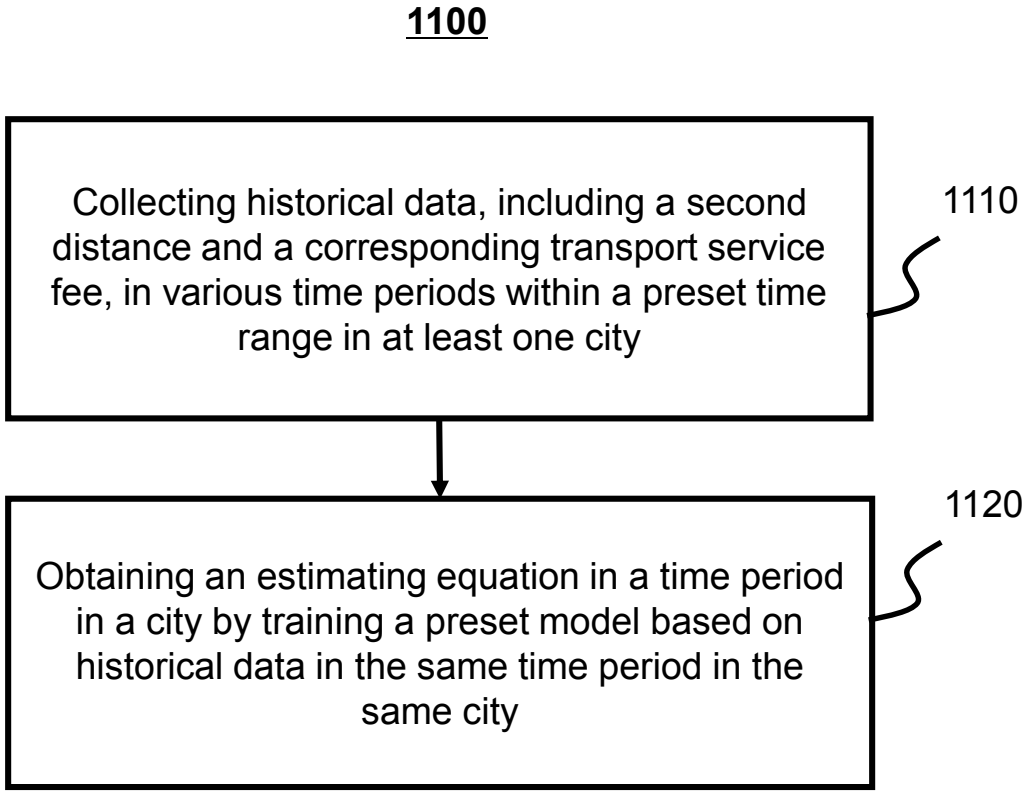

1100
Collecting historical data, including a second distance and a corresponding transport service fee, in various time periods within a preset time range in at least one city
1110
Obtaining an estimating equation in a time period in a city by training a preset model based on historical data in the same time period in the same city
1120

FIG. 11

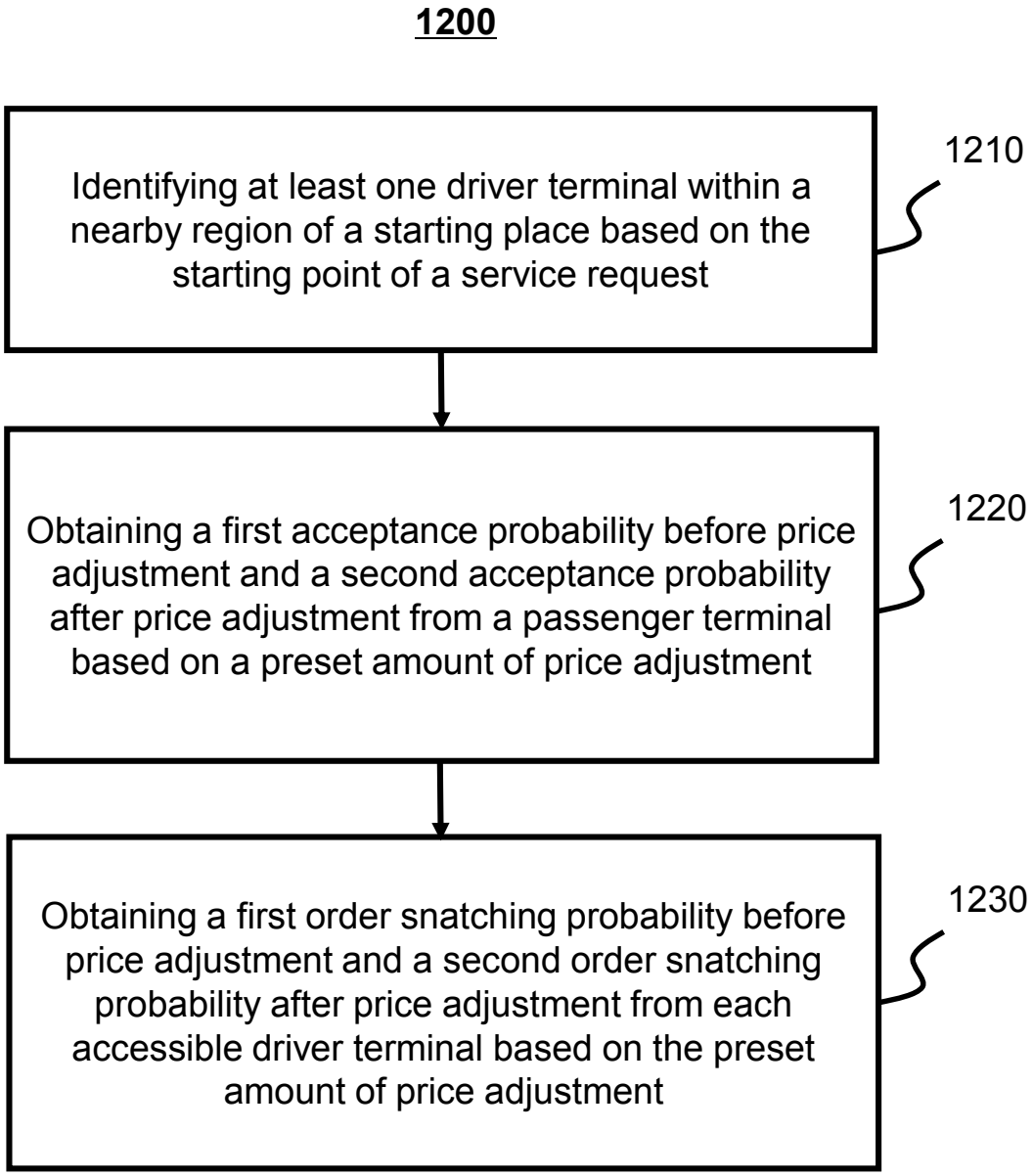

1200
Identifying at least one driver terminal within a nearby region of a starting place based on the starting point of a service request
1210
Obtaining a first acceptance probability before price adjustment and a second acceptance probability after price adjustment from a passenger terminal based on a preset amount of price adjustment
1220
Obtaining a first order snatching probability before price adjustment and a second order snatching probability after price adjustment from each accessible driver terminal based on the preset amount of price adjustment
1230

FIG. 12

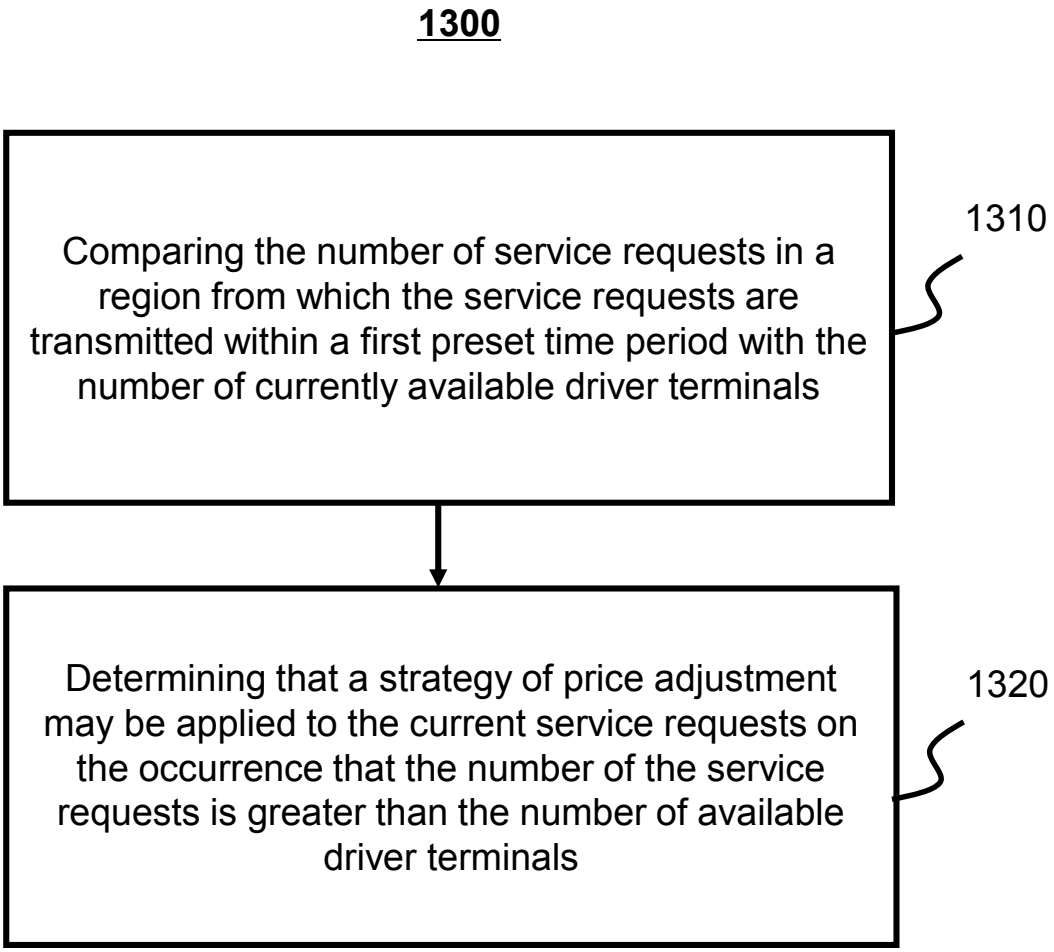

1300
Comparing the number of service requests in a region from which the service requests are transmitted within a first preset time period with the number of currently available driver terminals
1310
Determining that a strategy of price adjustment may be applied to the current service requests on the occurrence that the number of the service requests is greater than the number of available driver terminals
1320

FIG. 13

1400

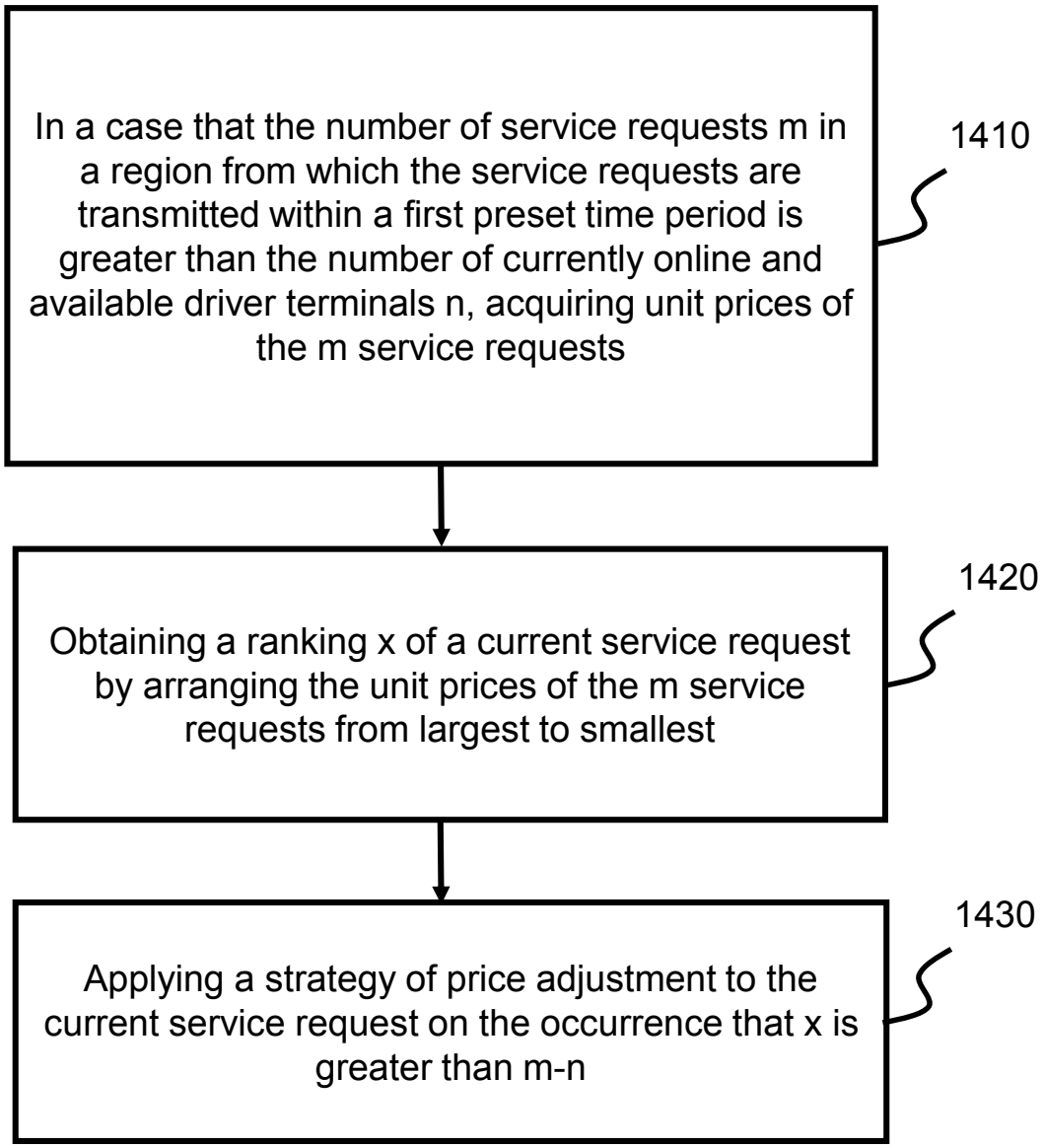

In a case that the number of service requests m in a region from which the service requests are transmitted within a first preset time period is greater than the number of currently online and available driver terminals n, acquiring unit prices of the m service requests
1410
Obtaining a ranking x of a current service request by arranging the unit prices of the m service requests from largest to smallest
1420
Applying a strategy of price adjustment to the current service request on the occurrence that x is greater than m-n
1430

FIG. 14

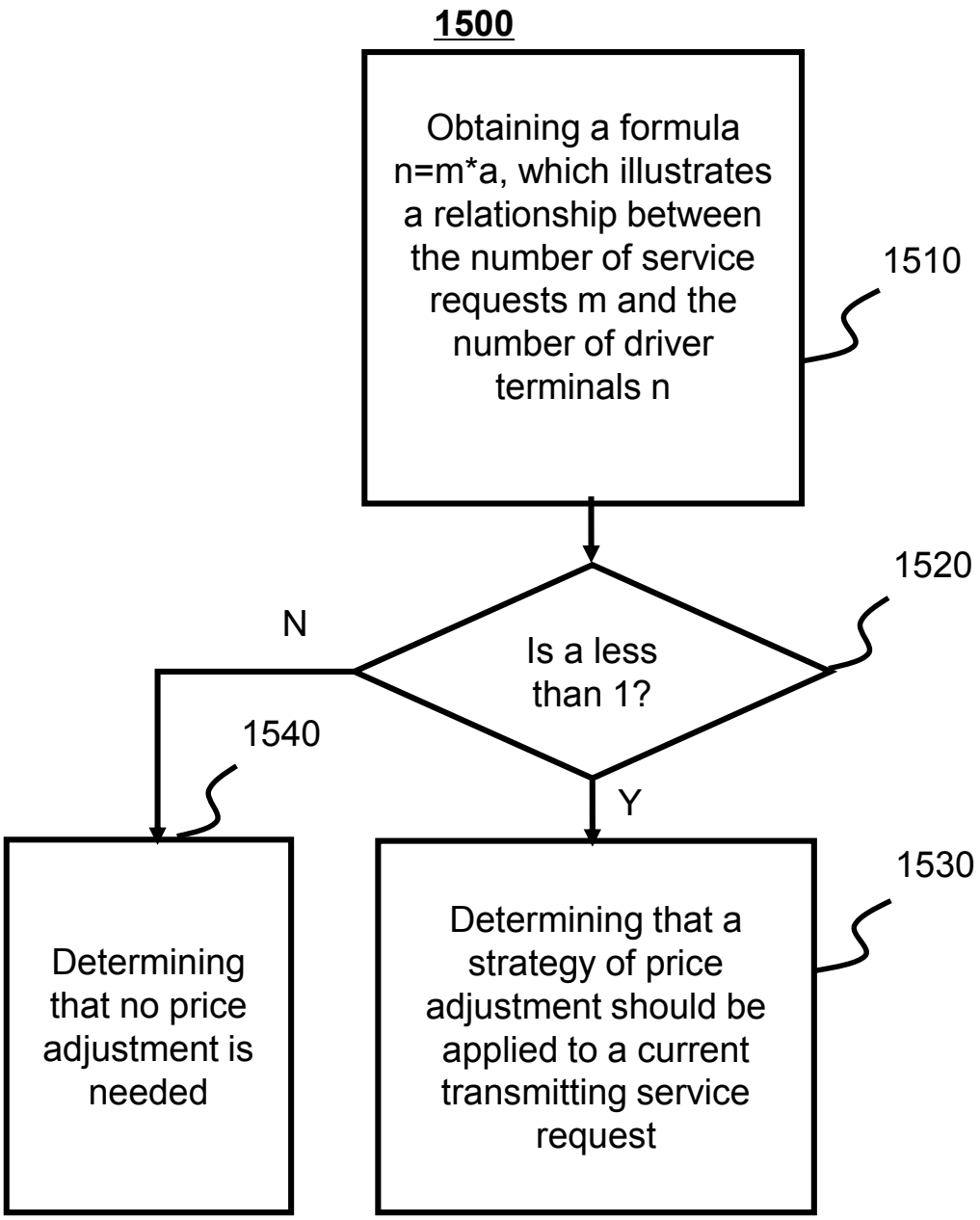

1500
Obtaining a formula n=m*a, which illustrates a relationship between the number of service requests m and the number of driver terminals n
1510
Is a less than 1?
1520
N
Y
1540
Determining that no price adjustment is needed
Determining that a strategy of price adjustment should be applied to a current transmitting service request
1530

FIG. 15

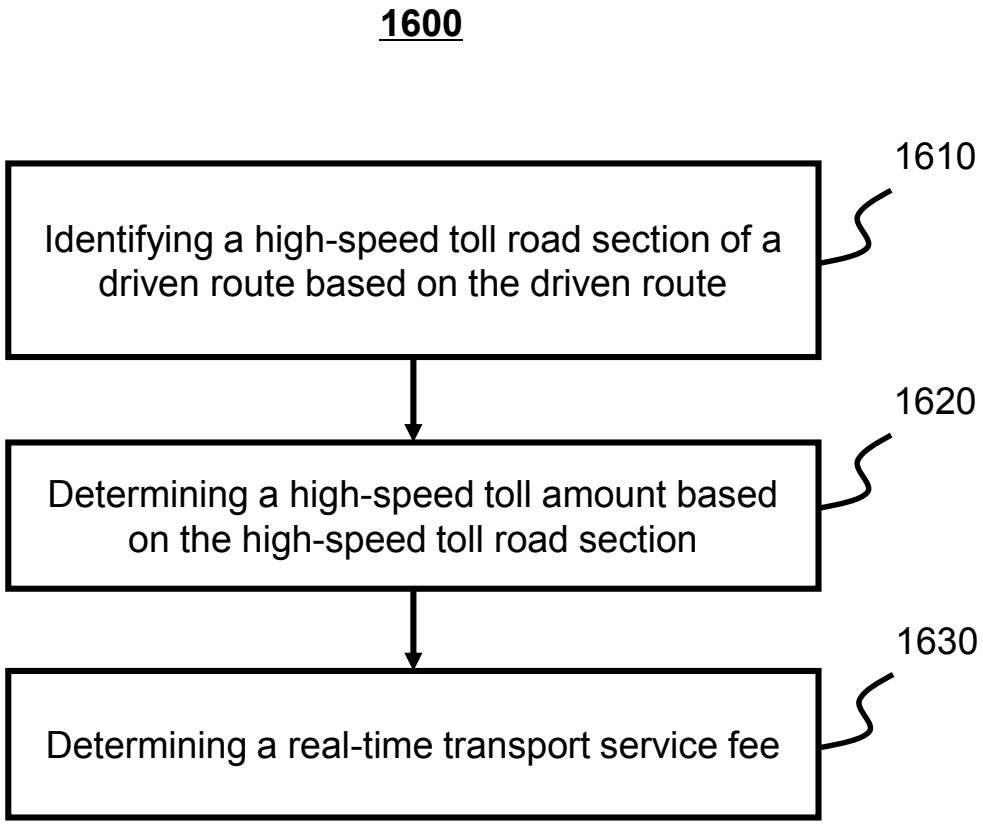

1600
1610
Identifying a high-speed toll road section of a driven route based on the driven route
1620
Determining a high-speed toll amount based on the high-speed toll road section
1630
Determining a real-time transport service fee

FIG. 16

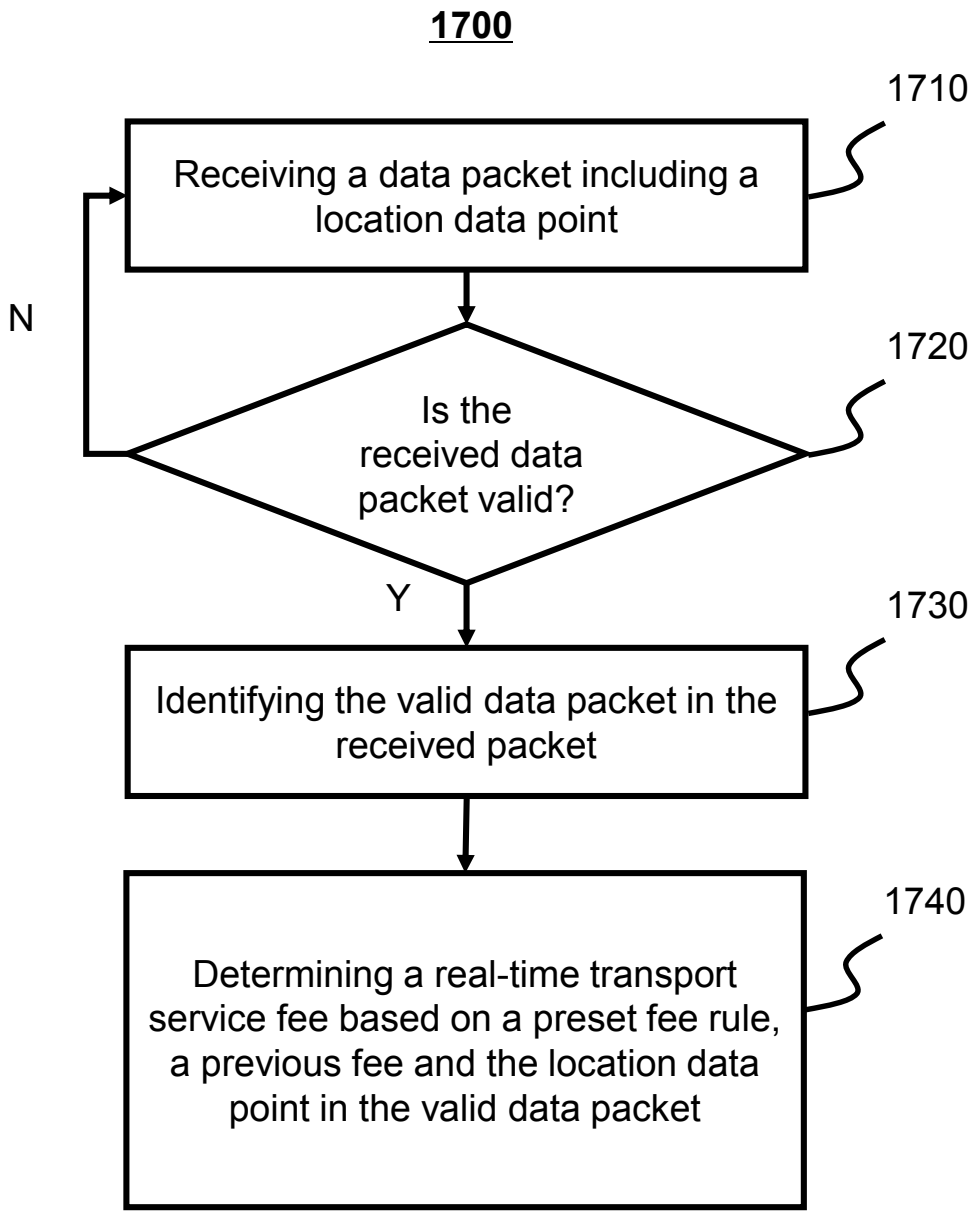

1700
1710
Receiving a data packet including a location data point
N
1720
Is the received data packet valid?
Y
1730
Identifying the valid data packet in the received packet
1740
Determining a real-time transport service fee based on a preset fee rule, a previous fee and the location data point in the valid data packet

FIG. 17

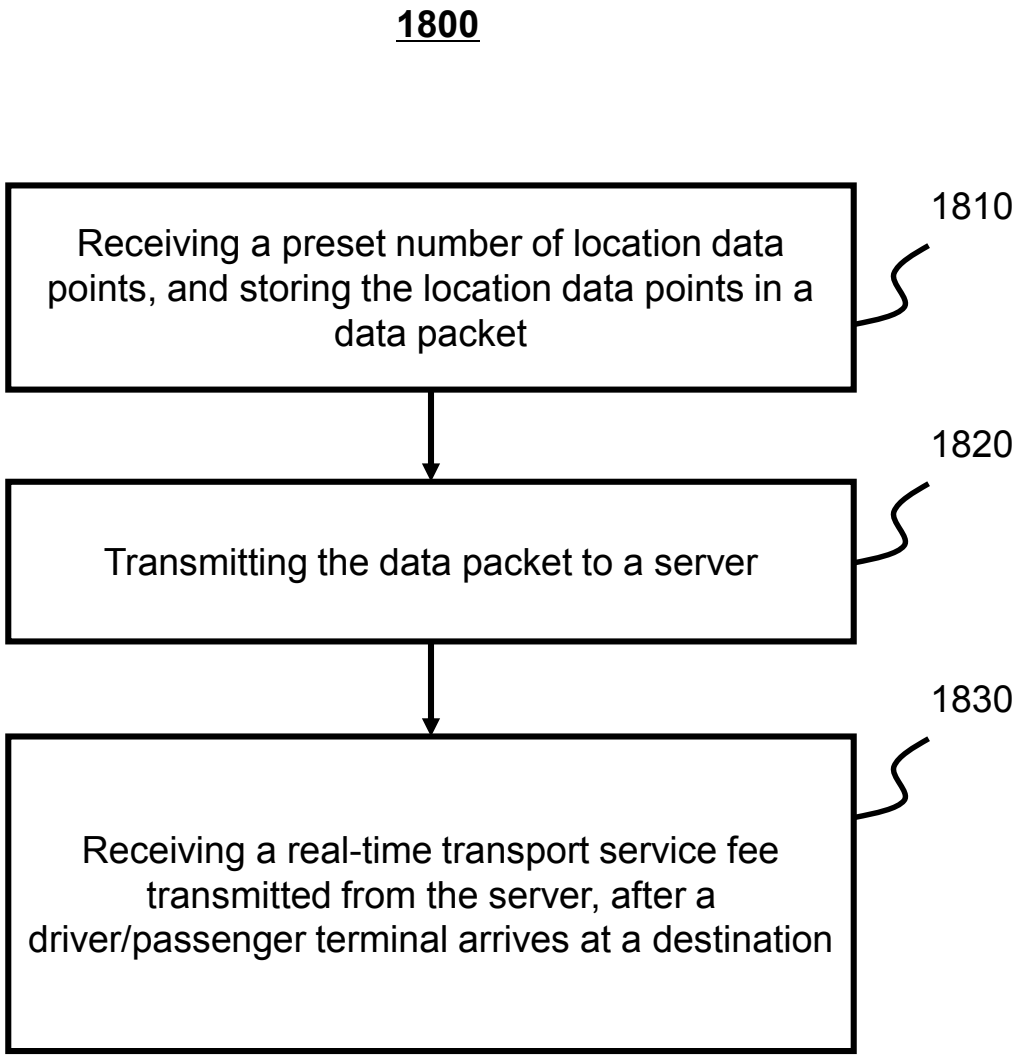

1800
Receiving a preset number of location data points, and storing the location data points in a data packet
1810
Transmitting the data packet to a server
1820
Receiving a real-time transport service fee transmitted from the server, after a driver/passenger terminal arrives at a destination
1830

FIG. 18

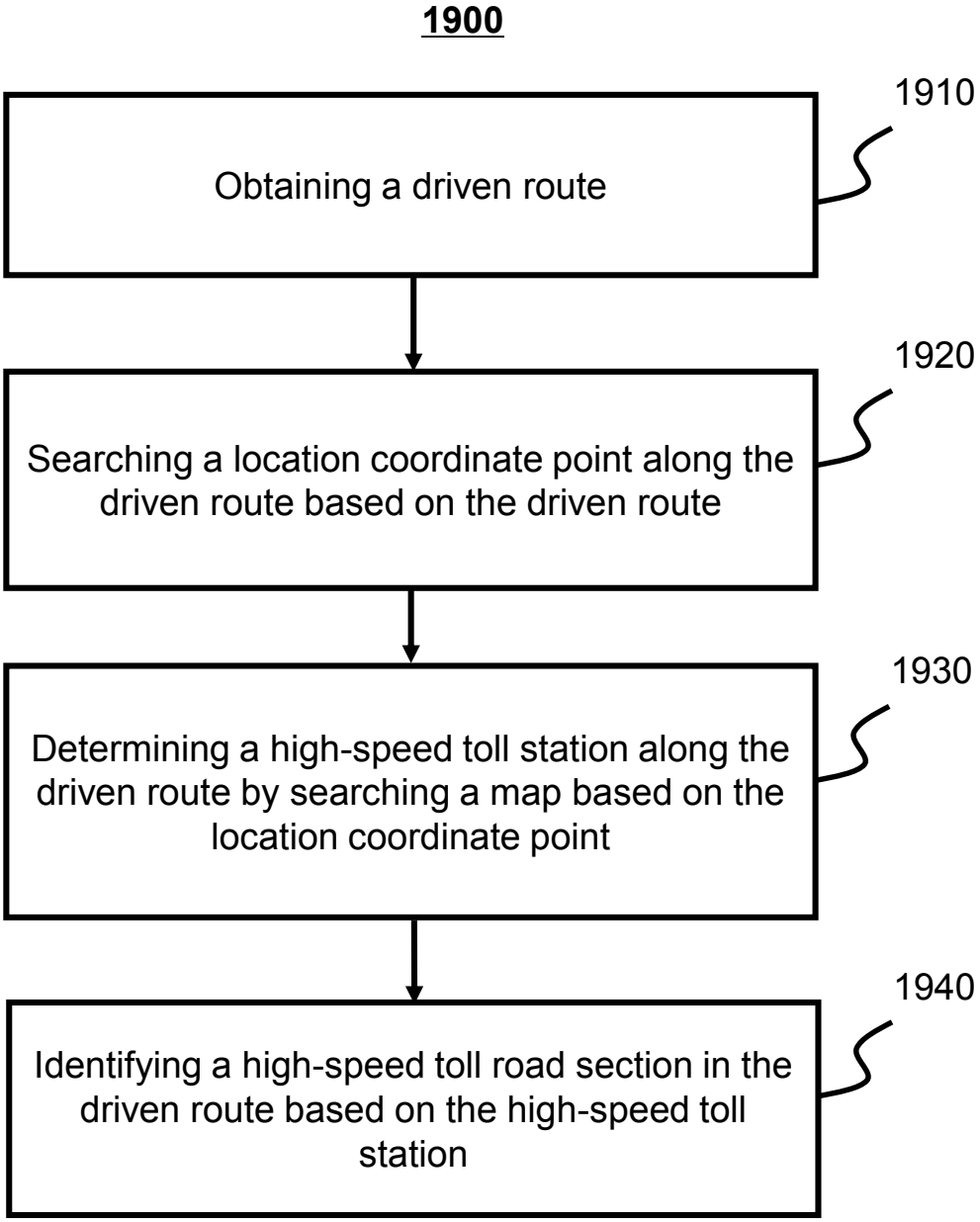

1900
1910
Obtaining a driven route
1920
Searching a location coordinate point along the driven route based on the driven route
1930
Determining a high-speed toll station along the driven route by searching a map based on the location coordinate point
1940
Identifying a high-speed toll road section in the driven route based on the high-speed toll station

FIG. 19

2000

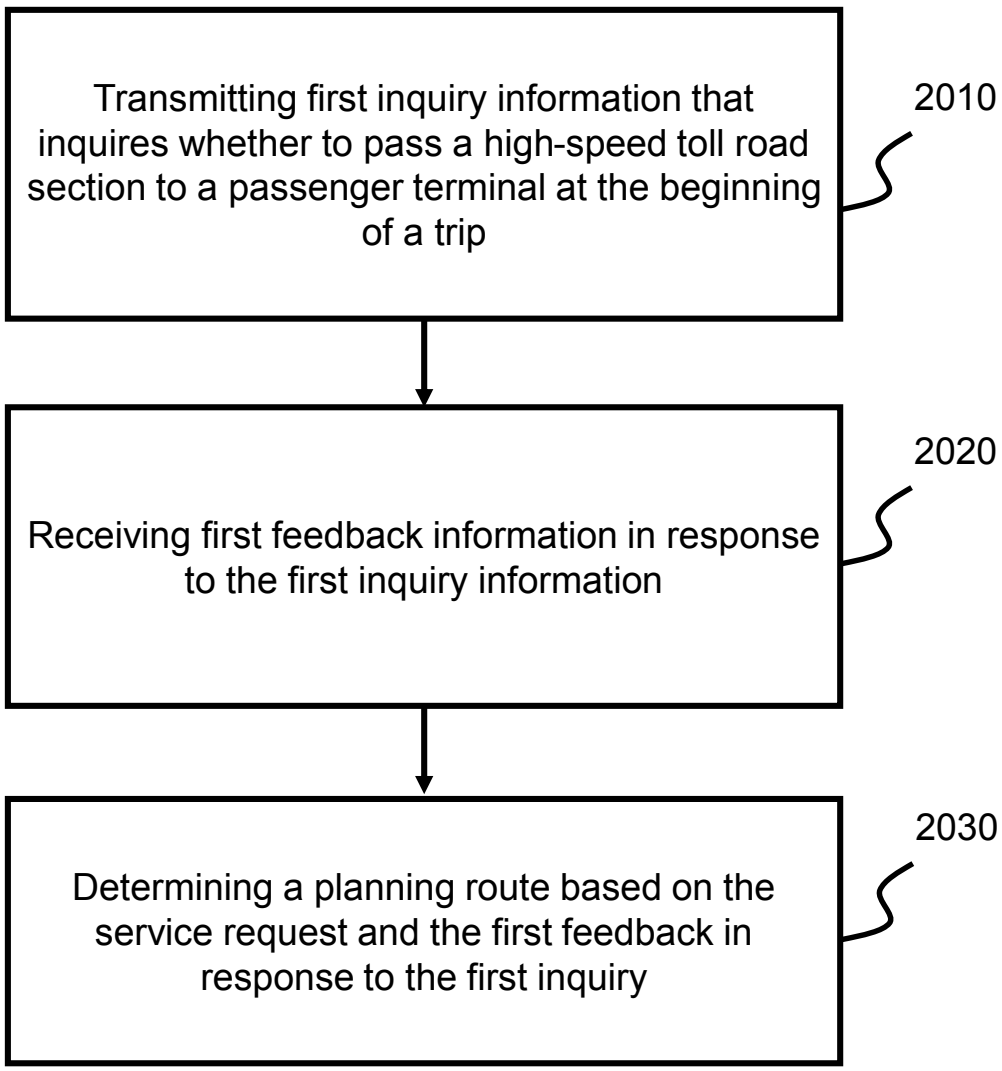

Transmitting first inquiry information that inquires whether to pass a high-speed toll road section to a passenger terminal at the beginning of a trip
2010
Receiving first feedback information in response to the first inquiry information
2020
Determining a planning route based on the service request and the first feedback in response to the first inquiry
2030

FIG. 20

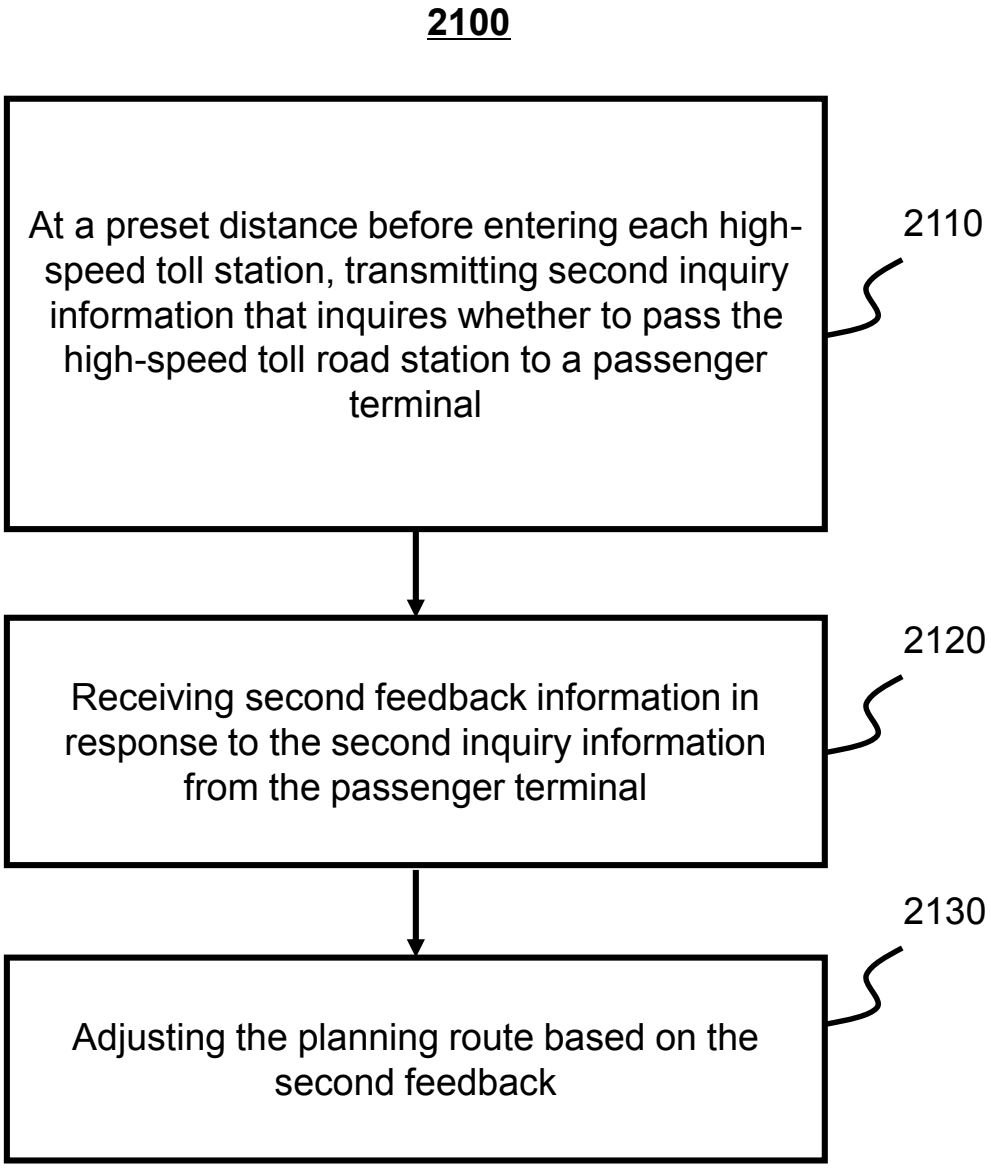

2100
At a preset distance before entering each high-speed toll station, transmitting second inquiry information that inquires whether to pass the high-speed toll road station to a passenger terminal
2110
Receiving second feedback information in response to the second inquiry information from the passenger terminal
2120
Adjusting the planning route based on the second feedback
2130

FIG. 21