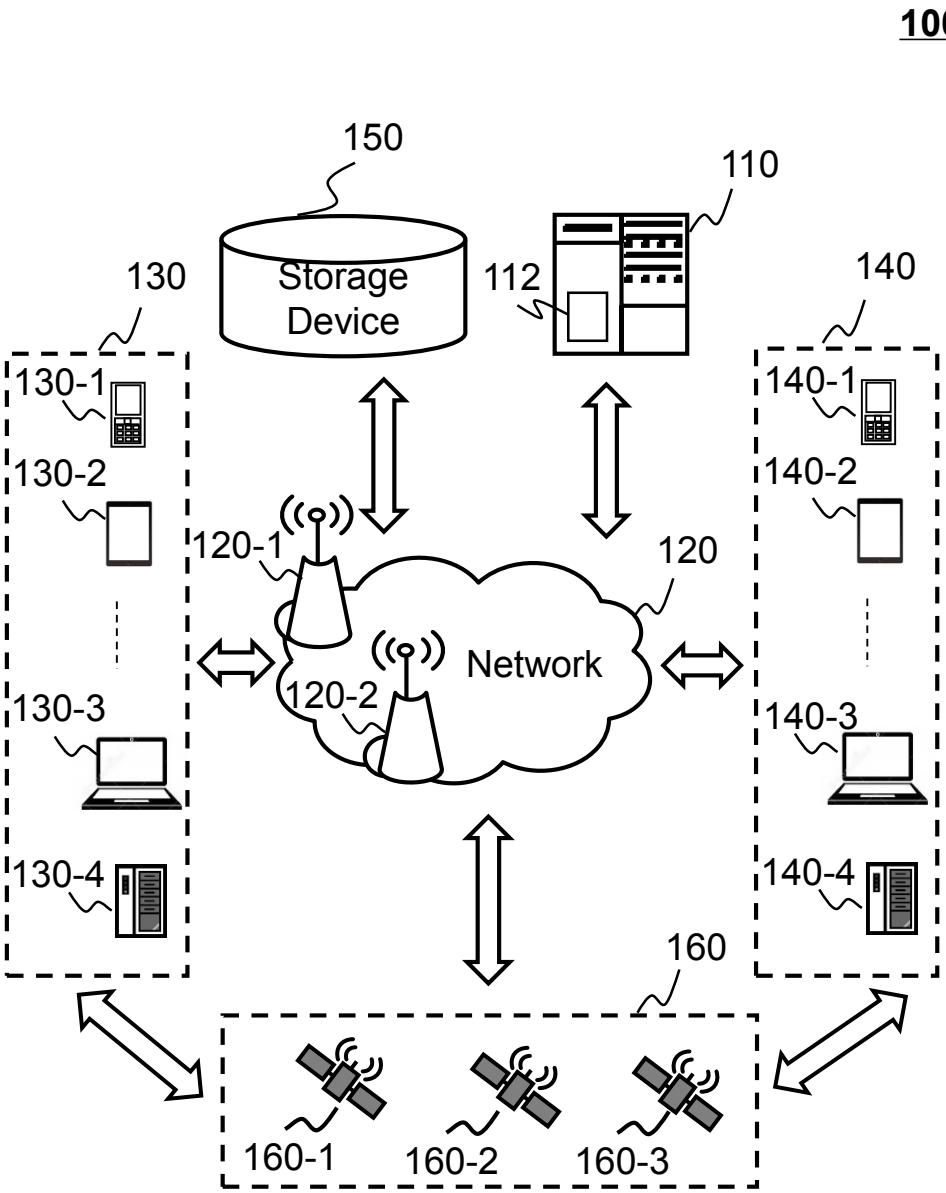

100
150
Storage Device
110
112
130
140
130-1
130-2
130-3
130-4
140-1
140-2
140-3
140-4
120-1
120-2
120
Network
160
160-1
160-2
160-3

FIG. 1

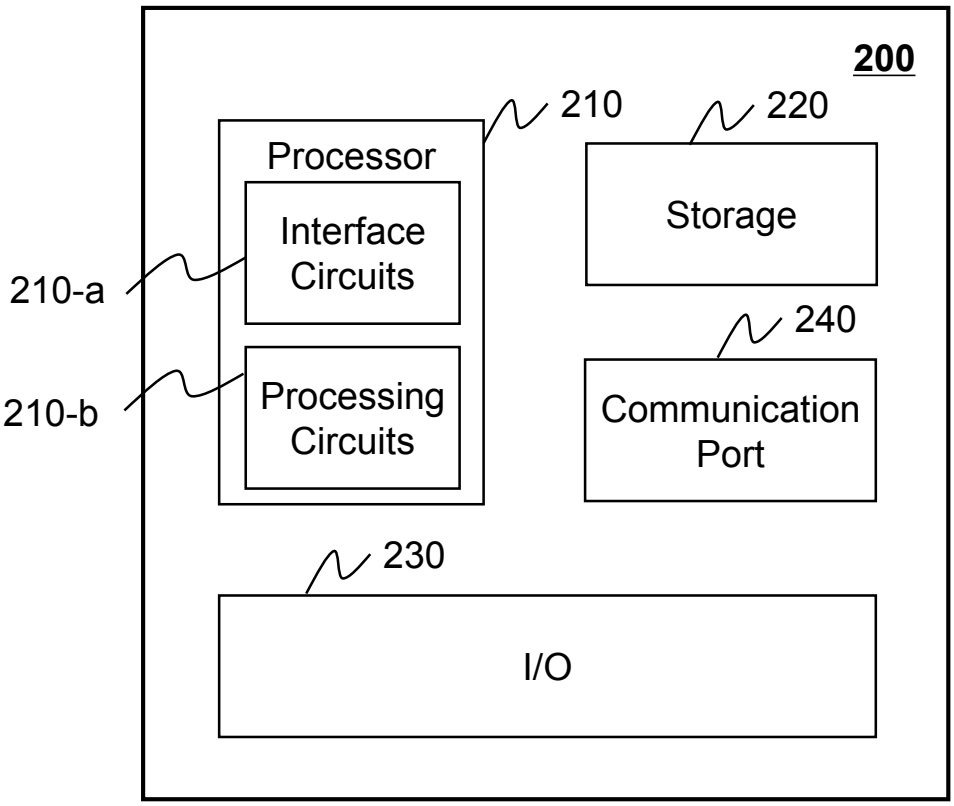

200
210
220
Processor
Interface Circuits
Storage
210-a
240
210-b
Processing Circuits
Communication Port
230
I/O

FIG. 2

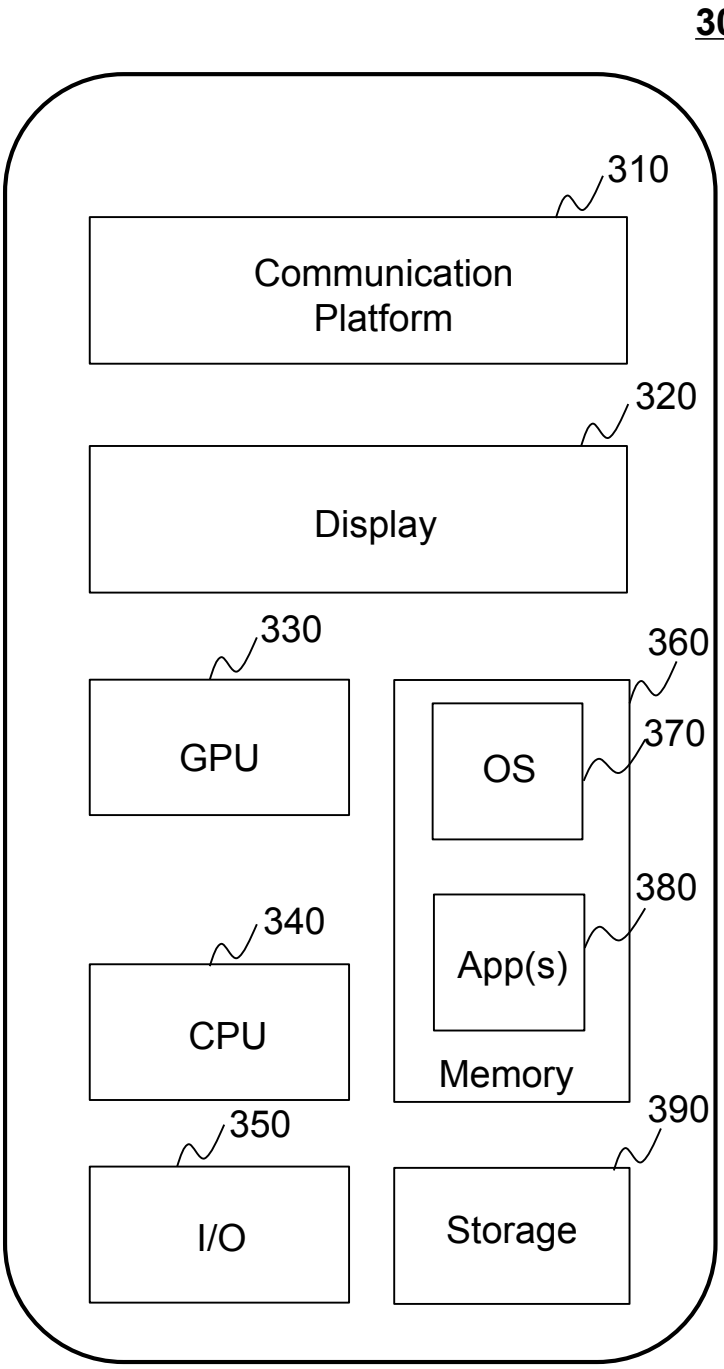

300
310
Communication Platform
320
Display
330
GPU
360
370
OS
380
App(s)
340
CPU
Memory
390
350
I/O
Storage

FIG. 3

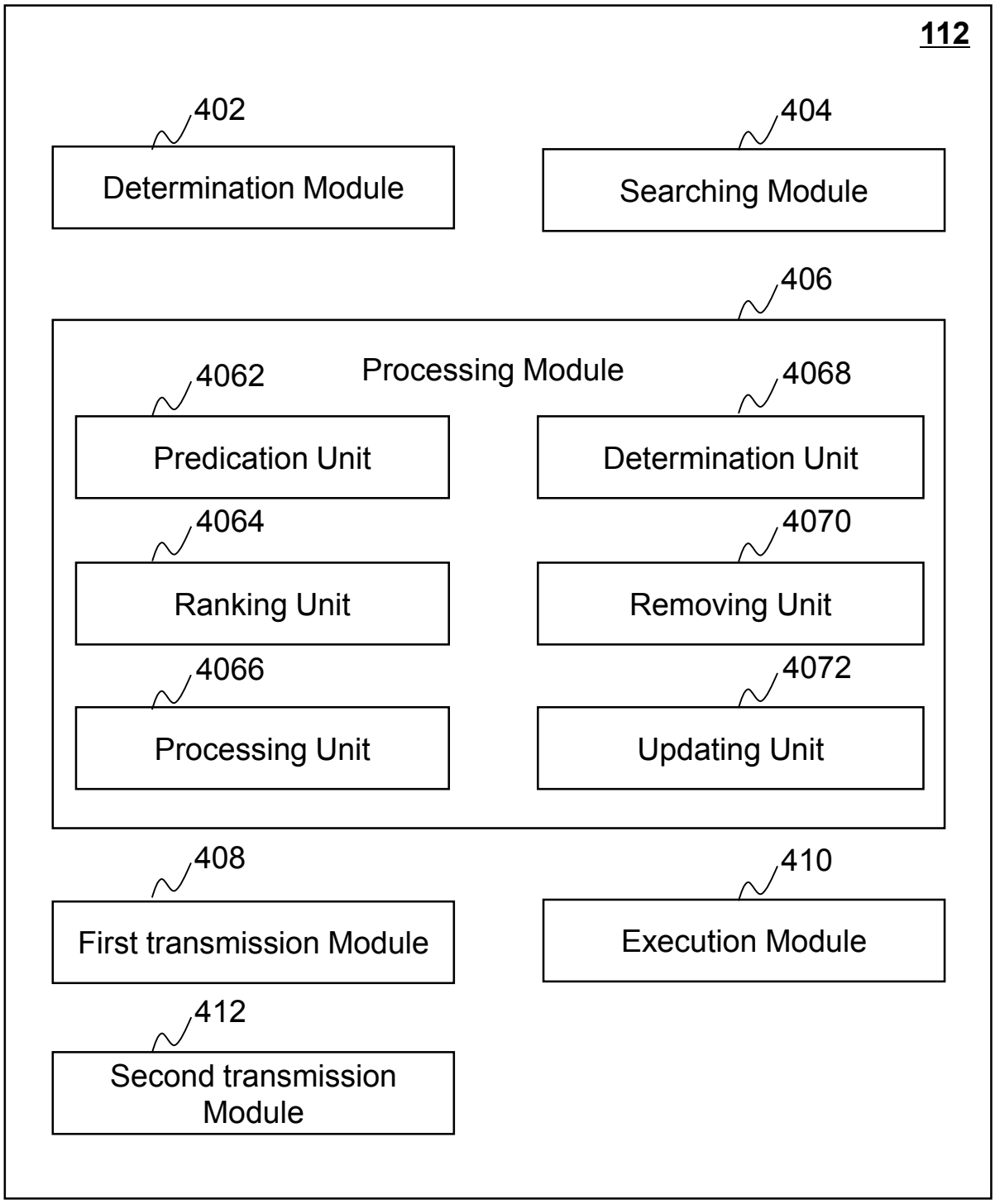

112
402
Determination Module
404
Searching Module
406
Processing Module
4062
Predication Unit
4068
Determination Unit
4064
Ranking Unit
4070
Removing Unit
4066
Processing Unit
4072
Updating Unit
408
First transmission Module
410
Execution Module
412
Second transmission Module

FIG. 4

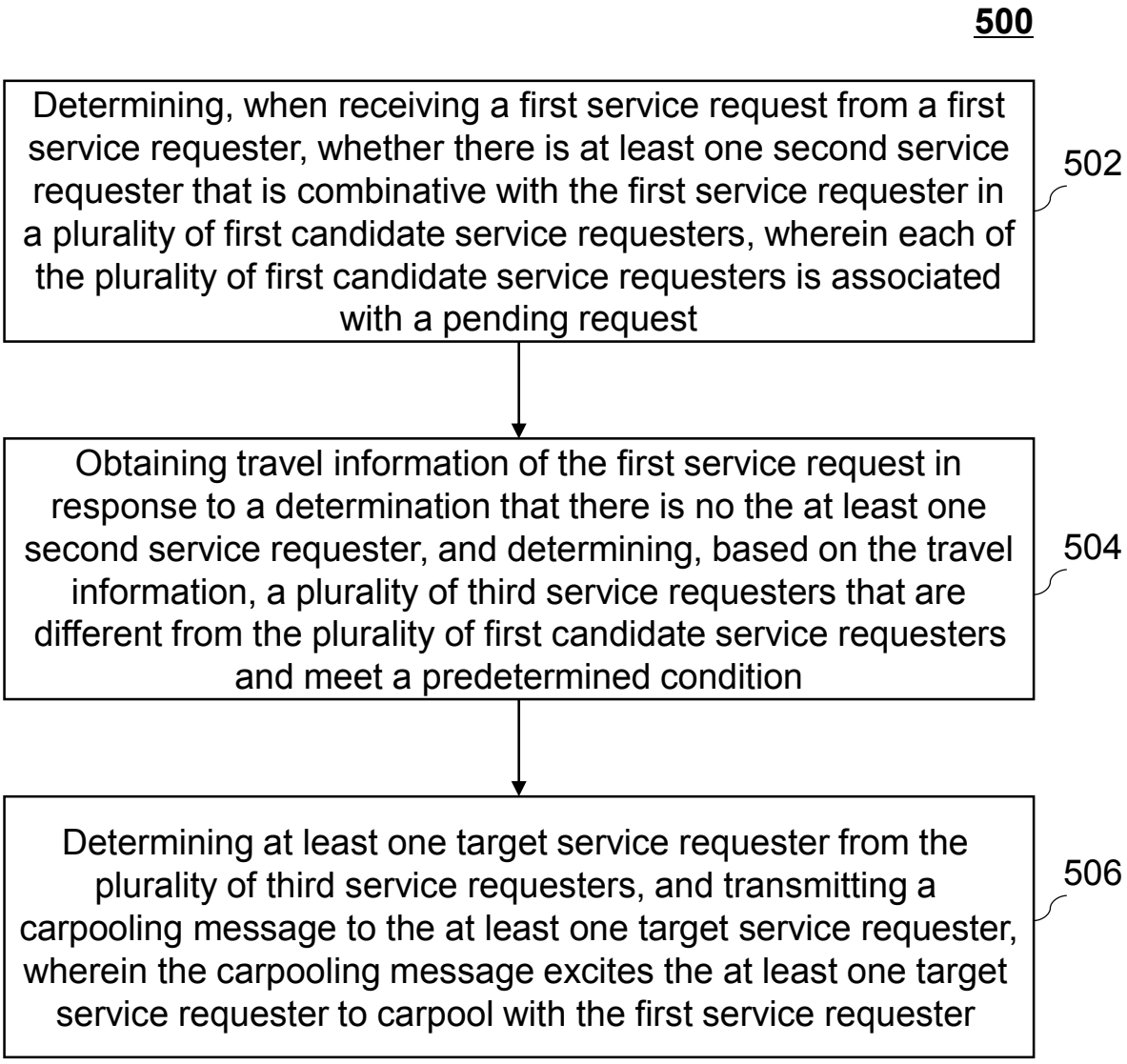

500
Determining, when receiving a first service request from a first service requester, whether there is at least one second service requester that is combinative with the first service requester in a plurality of first candidate service requesters, wherein each of the plurality of first candidate service requesters is associated with a pending request
502
Obtaining travel information of the first service request in response to a determination that there is no the at least one second service requester, and determining, based on the travel information, a plurality of third service requesters that are different from the plurality of first candidate service requesters and meet a predetermined condition
504
Determining at least one target service requester from the plurality of third service requesters, and transmitting a carpooling message to the at least one target service requester, wherein the carpooling message excites the at least one target service requester to carpool with the first service requester
506

FIG. 5

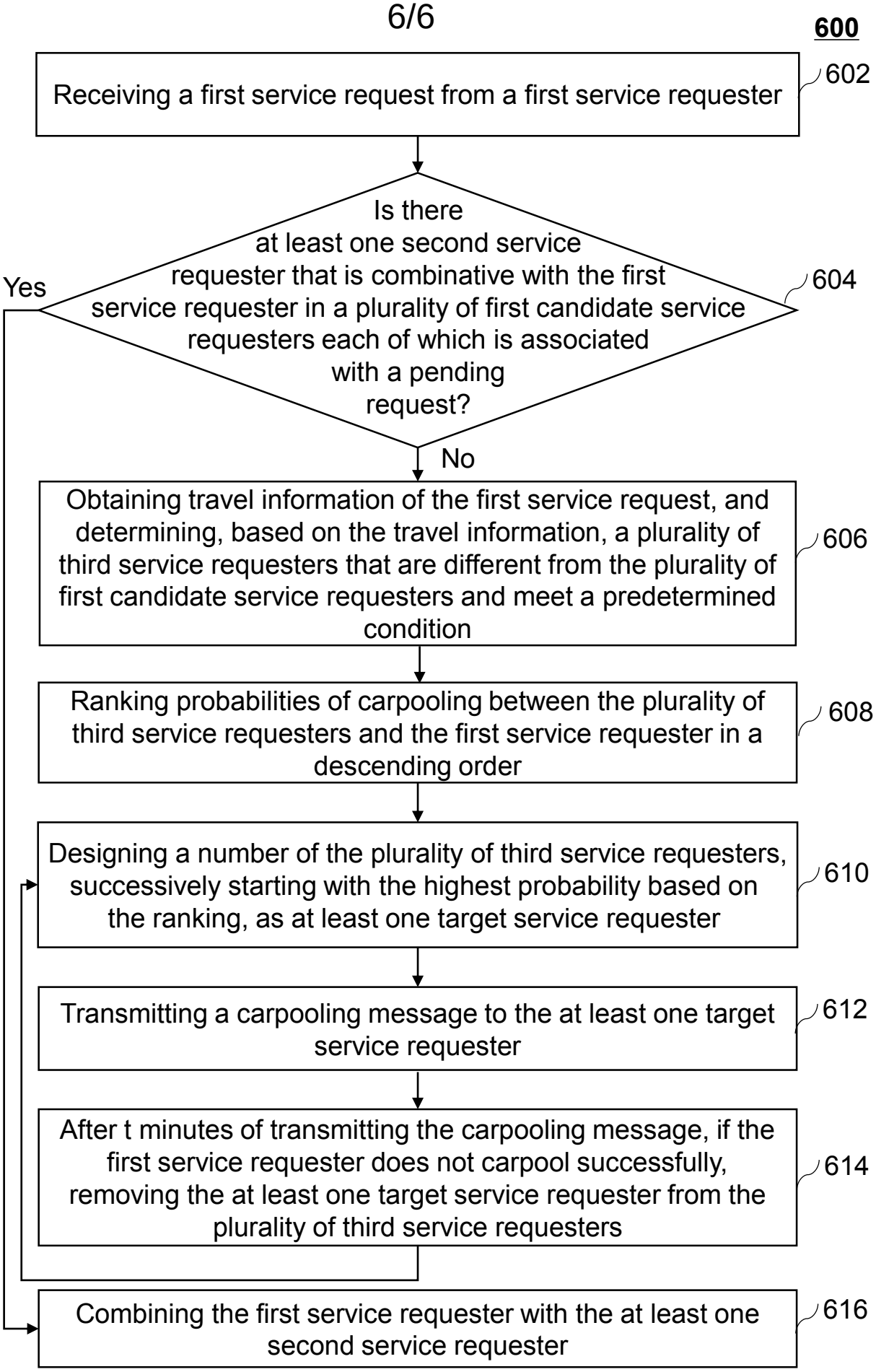

600
Receiving a first service request from a first service requester
602
Is there at least one second service requester that is combinative with the first service requester in a plurality of first candidate service requesters each of which is associated with a pending request?
604
Yes
No
Obtaining travel information of the first service request, and determining, based on the travel information, a plurality of third service requesters that are different from the plurality of first candidate service requesters and meet a predetermined condition
606
Ranking probabilities of carpooling between the plurality of third service requesters and the first service requester in a descending order
608
Designing a number of the plurality of third service requesters, successively starting with the highest probability based on the ranking, as at least one target service requester
610
Transmitting a carpooling message to the at least one target service requester
612
After t minutes of transmitting the carpooling message, if the first service requester does not carpool successfully, removing the at least one target service requester from the plurality of third service requesters
614
Combining the first service requester with the at least one second service requester
616

FIG. 6