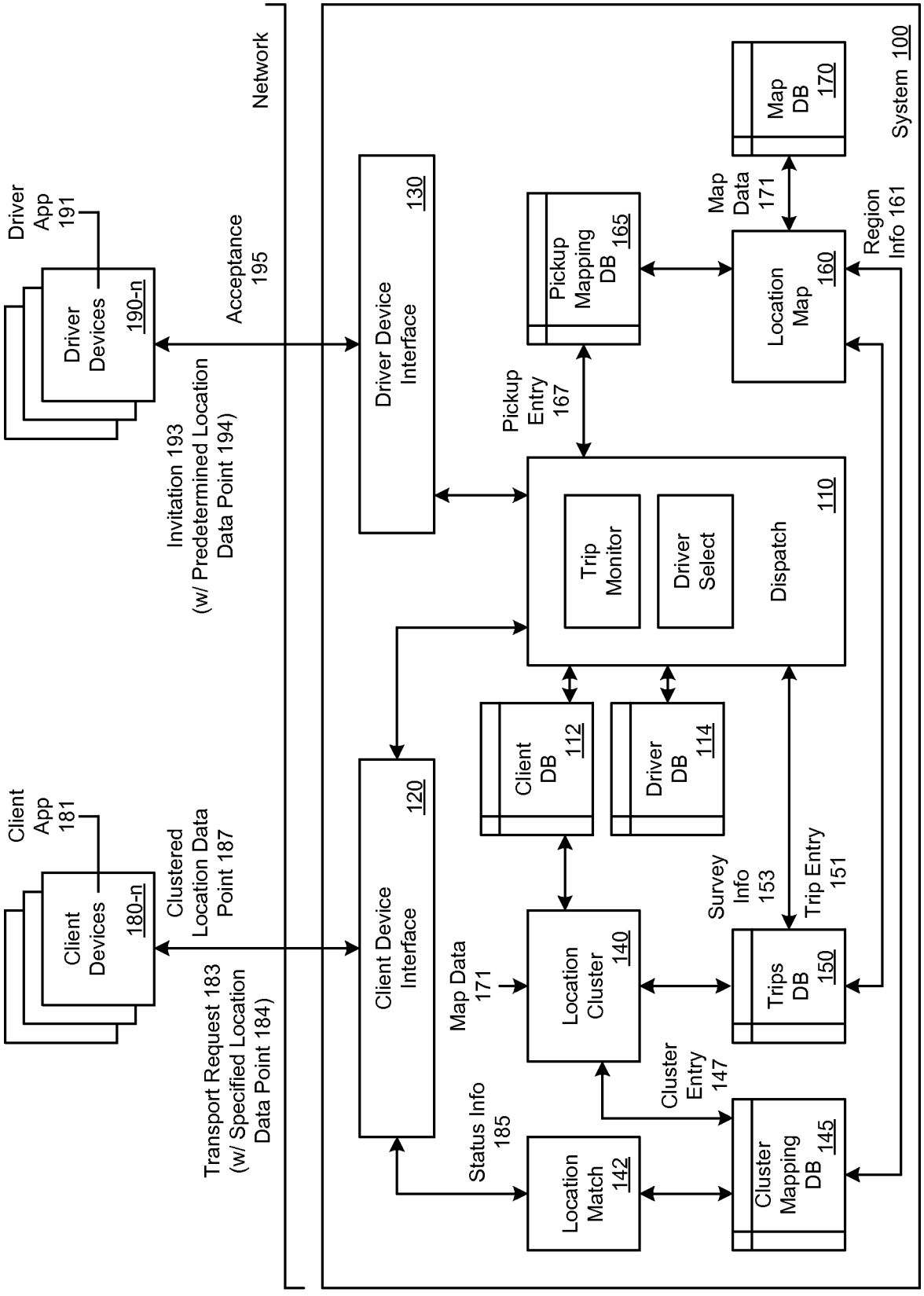

Network
System 100
Client App 181
Client Devices 180-n
Clustered Location Data Point 187
Transport Request 183 (w/ Specified Location Data Point 184)
Client Device Interface 120
Driver App 191
Driver Devices 190-n
Acceptance 195
Invitation 193 (w/ Predetermined Location Data Point 194)
Driver Device Interface 130
Client DB 112
Driver DB 114
Pickup Mapping DB 165
Pickup Entry 167
Trip Monitor
Driver Select
Dispatch 110
Map Data 171
Map DB 170
Location Map 160
Region Info 161
Map Data 171
Location Cluster 140
Survey Info 153
Trip Entry 151
Trips DB 150
Status Info 185
Location Match 142
Cluster Entry 147
Cluster Mapping DB 145

FIG. 1

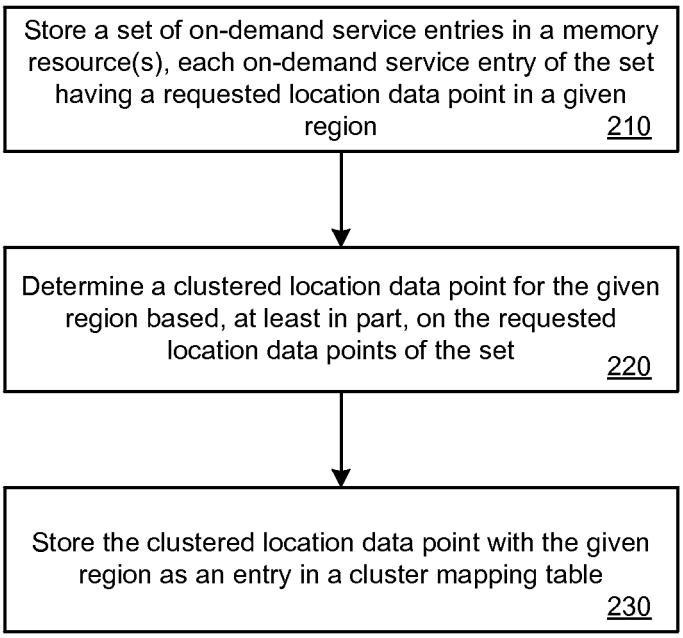

Store a set of on-demand service entries in a memory resource(s), each on-demand service entry of the set having a requested location data point in a given region
210
Determine a clustered location data point for the given region based, at least in part, on the requested location data points of the set
220
Store the clustered location data point with the given region as an entry in a cluster mapping table
230

FIG. 2A

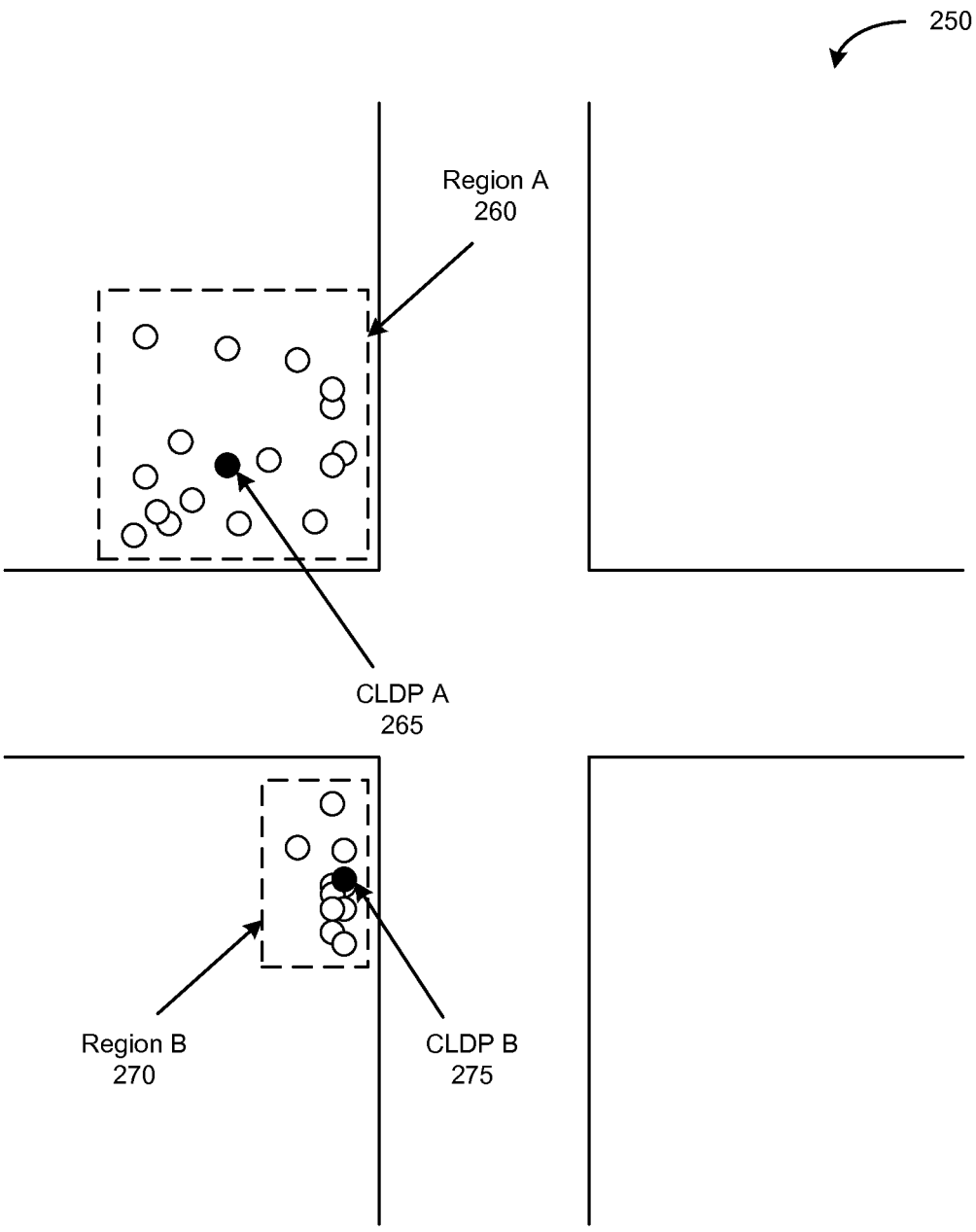


FIG. 2B

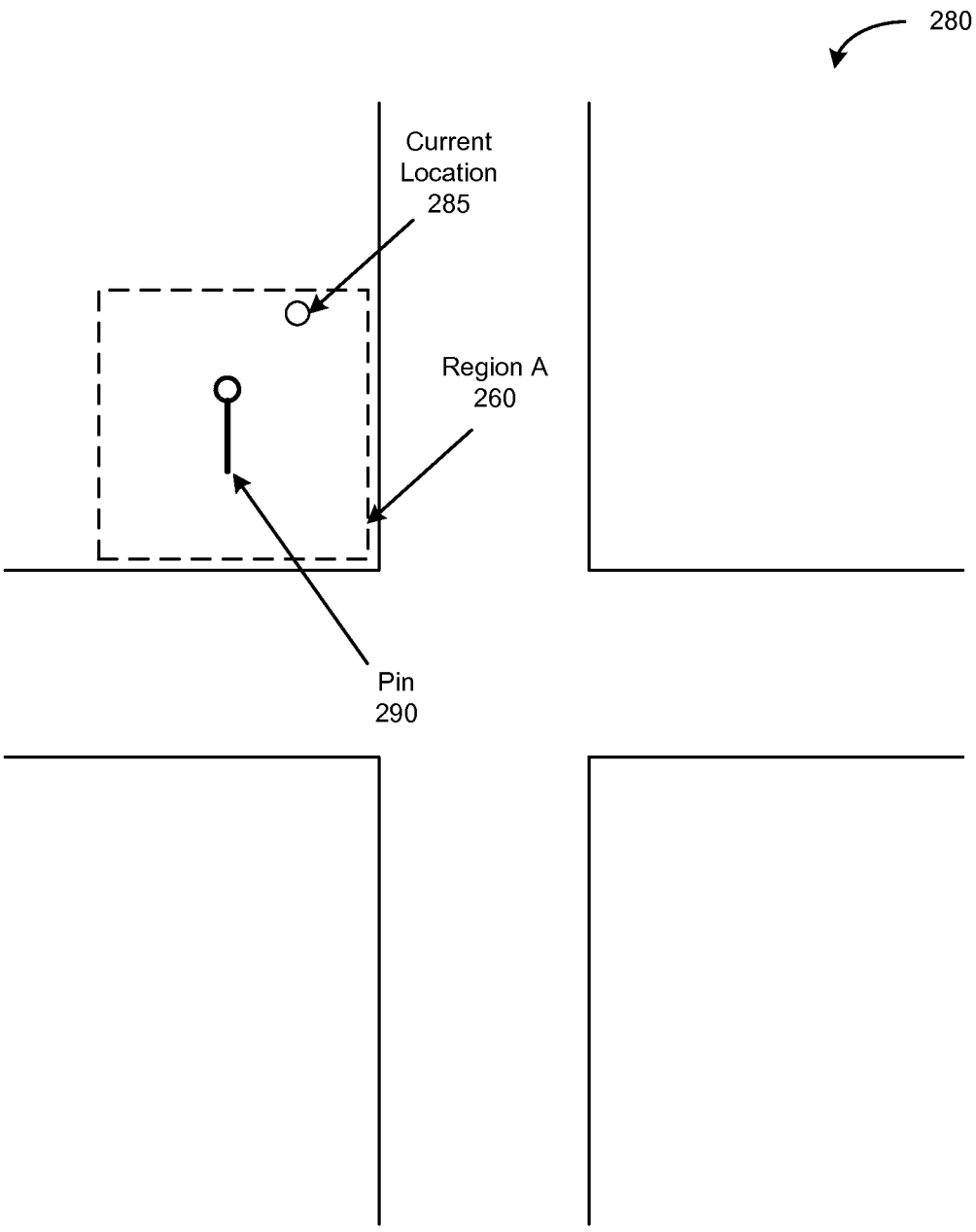


FIG. 2C

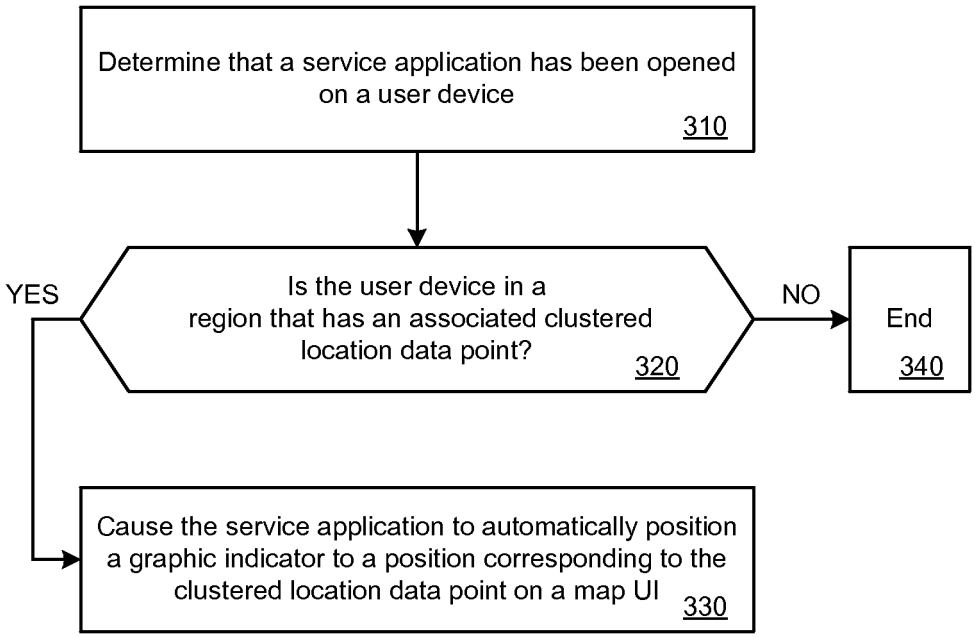

Determine that a service application has been opened on a user device
310
Is the user device in a region that has an associated clustered location data point?
320
YES
NO
End
340
Cause the service application to automatically position a graphic indicator to a position corresponding to the clustered location data point on a map UI
330

FIG. 3

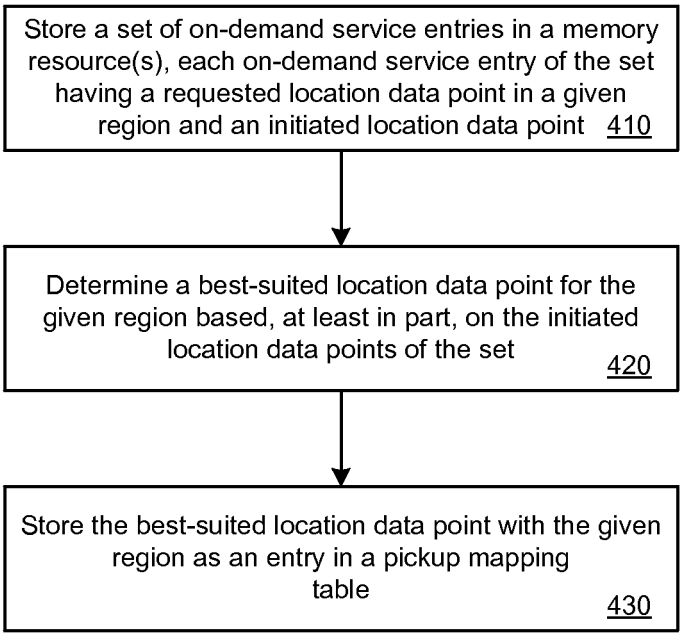

Store a set of on-demand service entries in a memory resource(s), each on-demand service entry of the set having a requested location data point in a given region and an initiated location data point 410
Determine a best-suited location data point for the given region based, at least in part, on the initiated location data points of the set 420
Store the best-suited location data point with the given region as an entry in a pickup mapping table 430

FIG. 4A

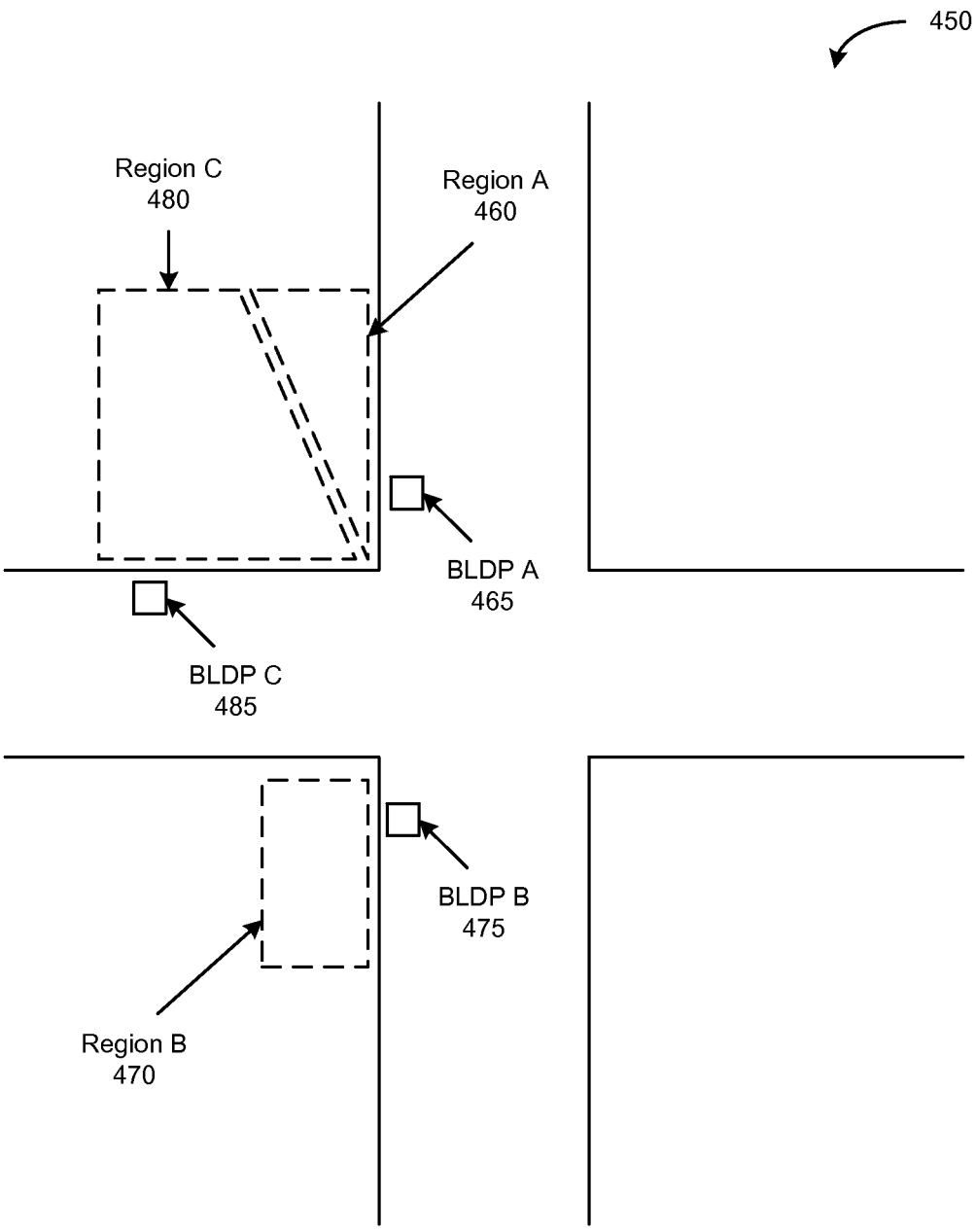

450
Region C
480
Region A
460
BLDP A
465
BLDP C
485
BLDP B
475
Region B
470

FIG. 4B

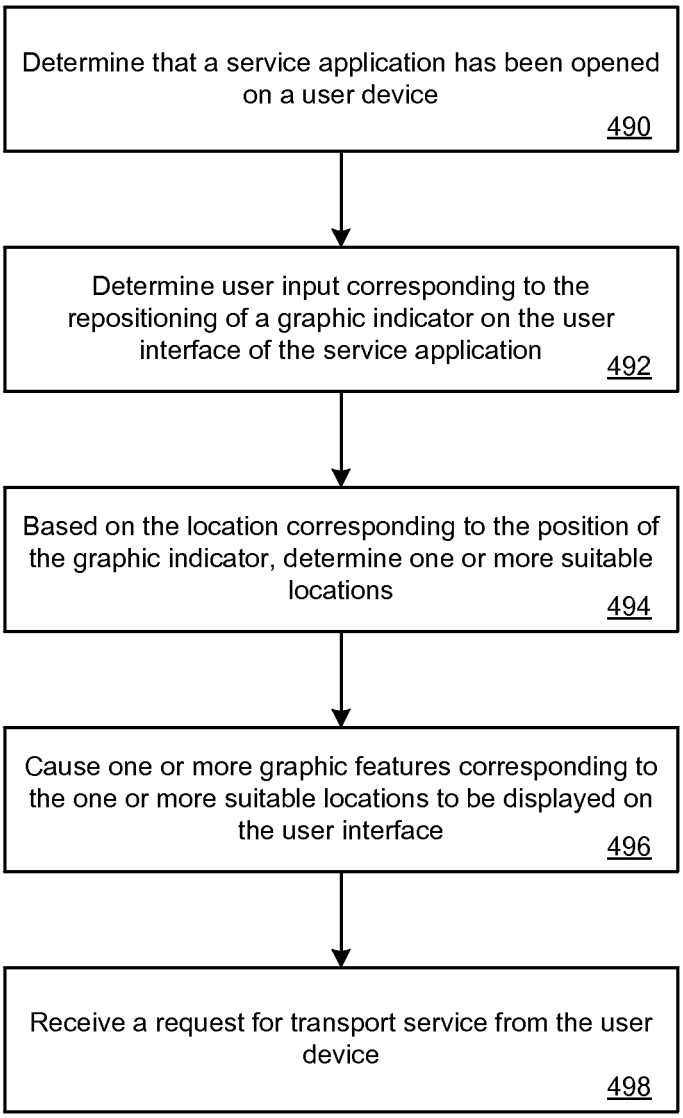

Determine that a service application has been opened on a user device
490
Determine user input corresponding to the repositioning of a graphic indicator on the user interface of the service application
492
Based on the location corresponding to the position of the graphic indicator, determine one or more suitable locations
494
Cause one or more graphic features corresponding to the one or more suitable locations to be displayed on the user interface
496
Receive a request for transport service from the user device
498

FIG. 4C

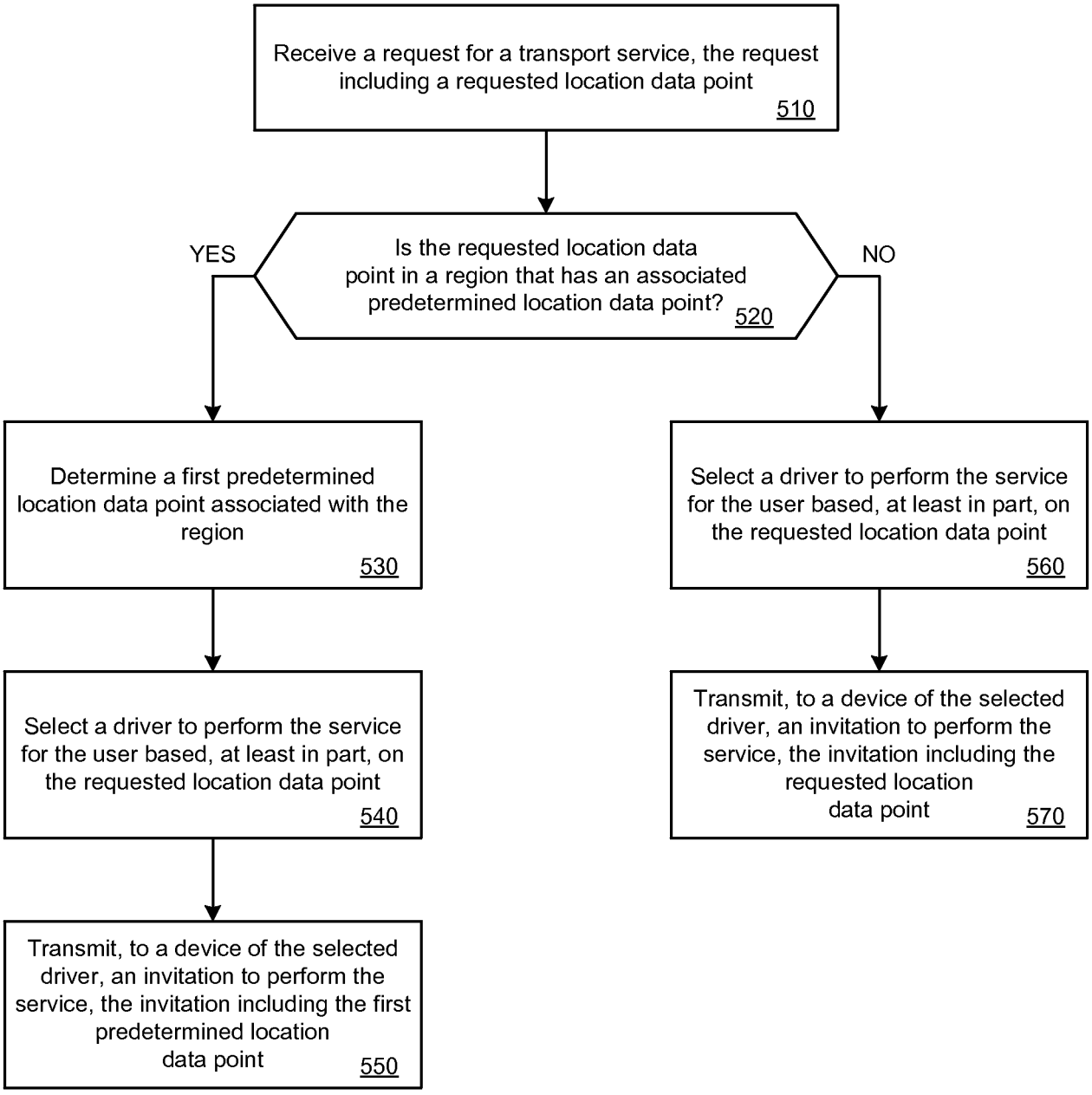

Receive a request for a transport service, the request including a requested location data point
510
Is the requested location data point in a region that has an associated predetermined location data point?
520
YES
NO
Determine a first predetermined location data point associated with the region
530
Select a driver to perform the service for the user based, at least in part, on the requested location data point
540
Transmit, to a device of the selected driver, an invitation to perform the service, the invitation including the first predetermined location data point
550
Select a driver to perform the service for the user based, at least in part, on the requested location data point
560
Transmit, to a device of the selected driver, an invitation to perform the service, the invitation including the requested location data point
570

FIG. 5

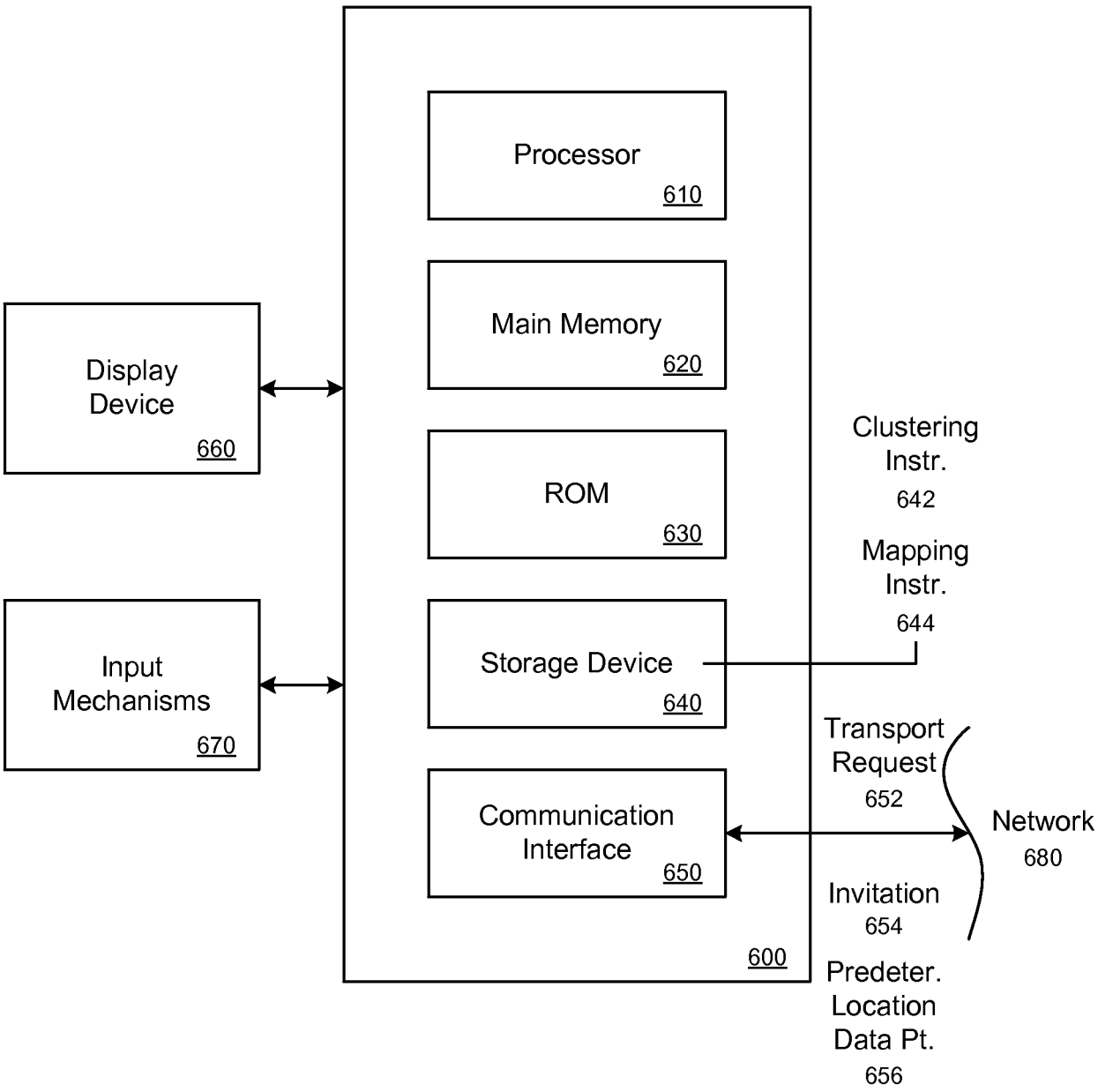

Processor
610
Main Memory
620
ROM
630
Storage Device
640
Communication Interface
650
600
Display Device
660
Input Mechanisms
670
Clustering Instr.
642
Mapping Instr.
644
Transport Request
652
Network
680
Invitation
654
Predeter. Location Data Pt.
656

FIG. 6

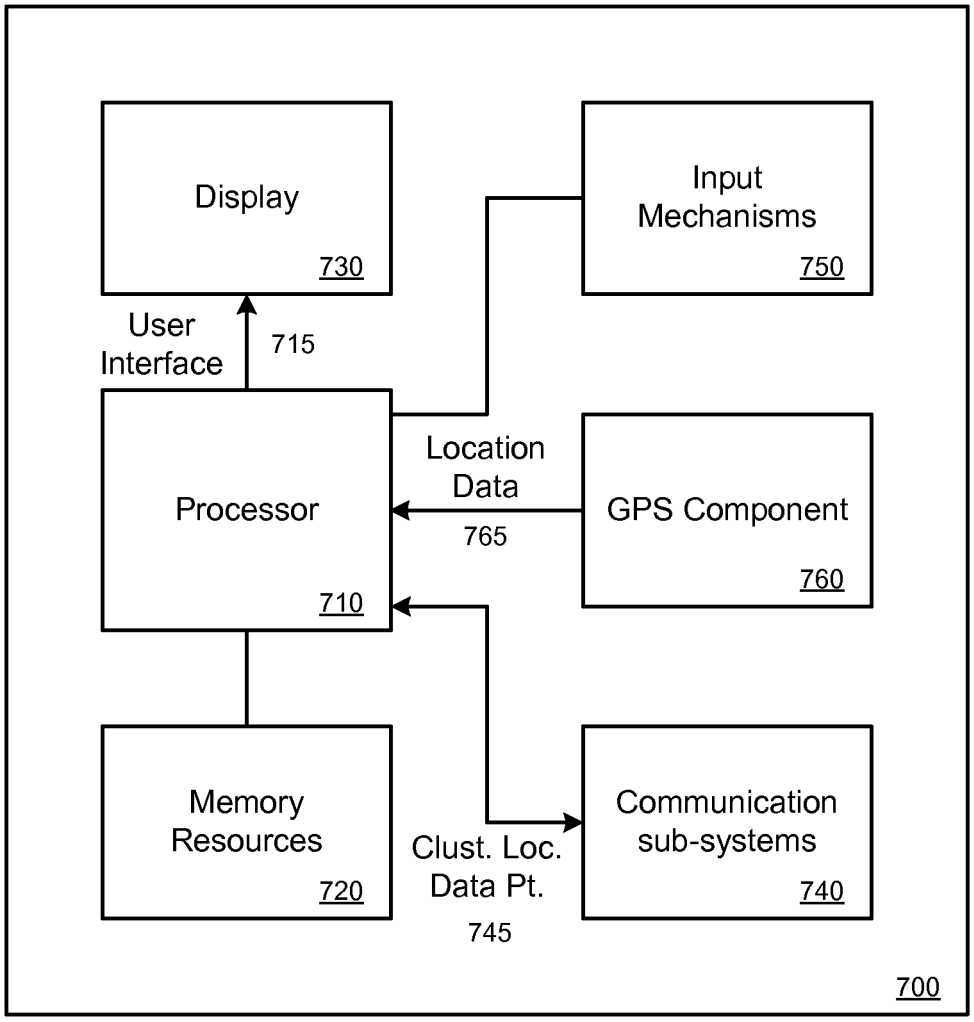

Display
730
Input
Mechanisms
750
User
Interface
715
Processor
710
Location
Data
765
GPS Component
760
Memory
Resources
720
Clust. Loc.
Data Pt.
745
Communication
sub-systems
740
700

FIG. 7