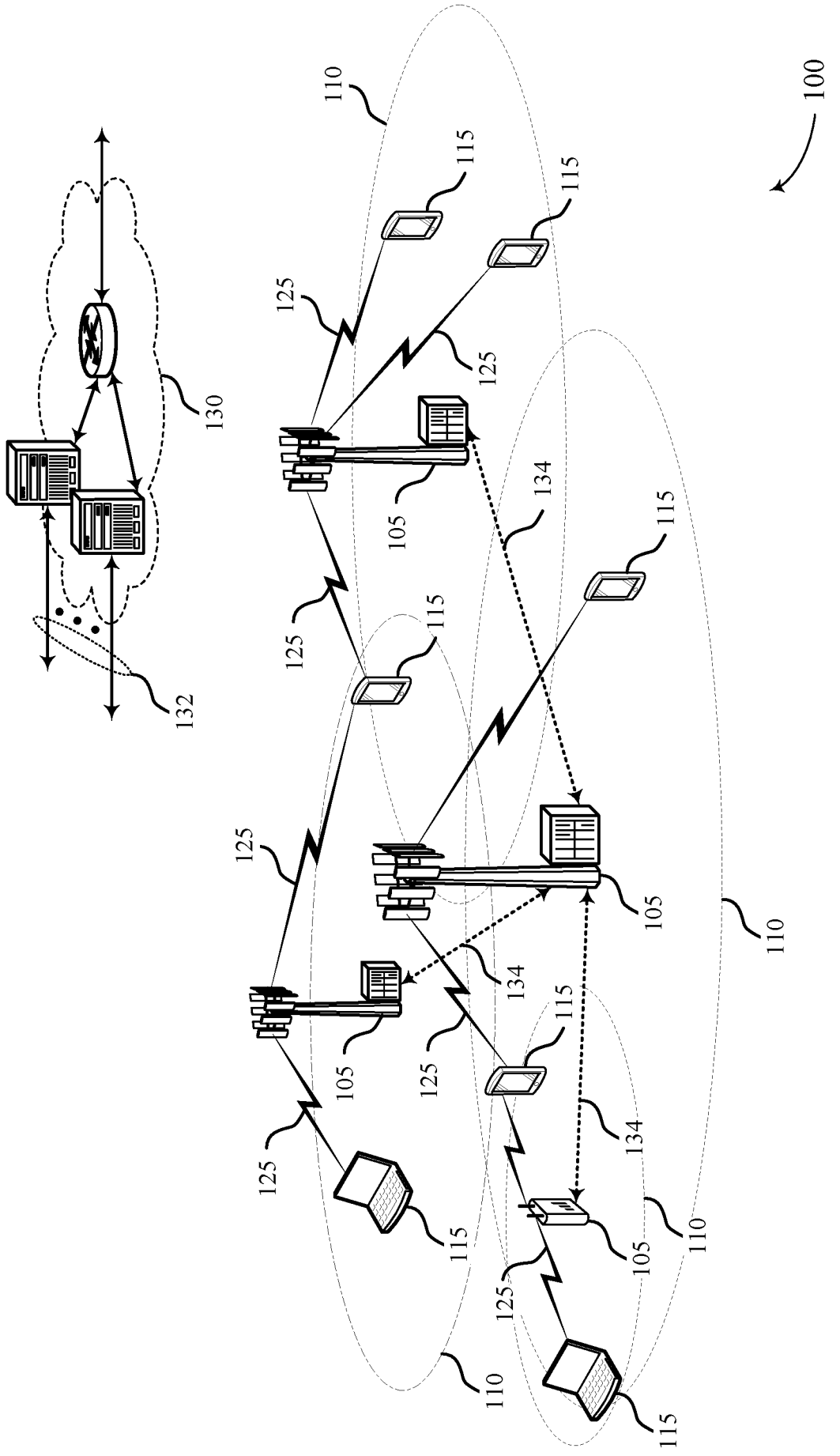


FIG. 1

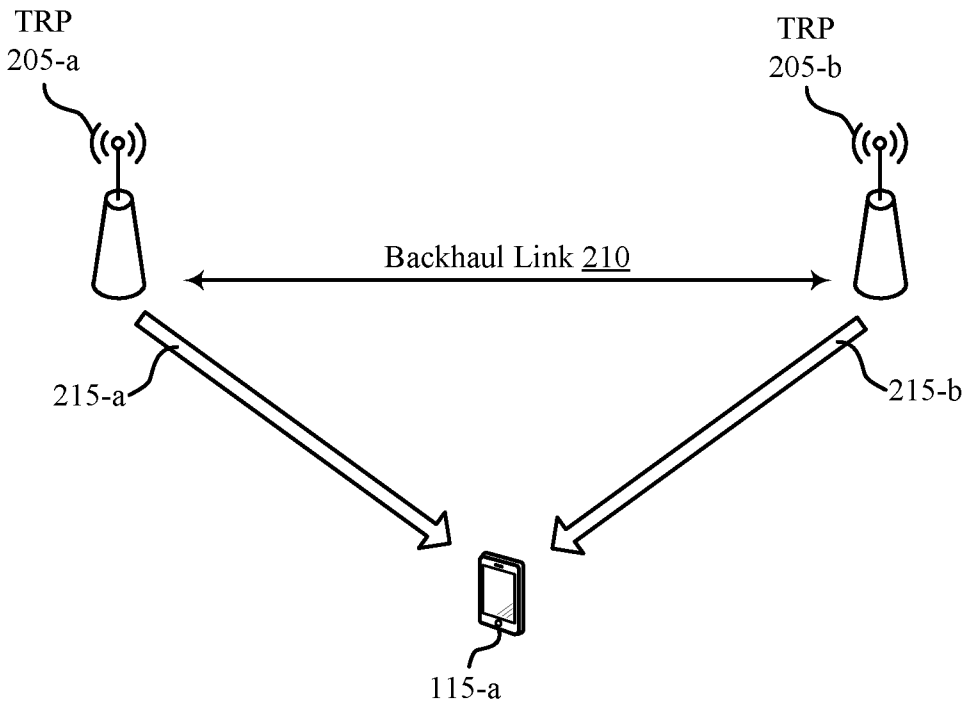


FIG. 2

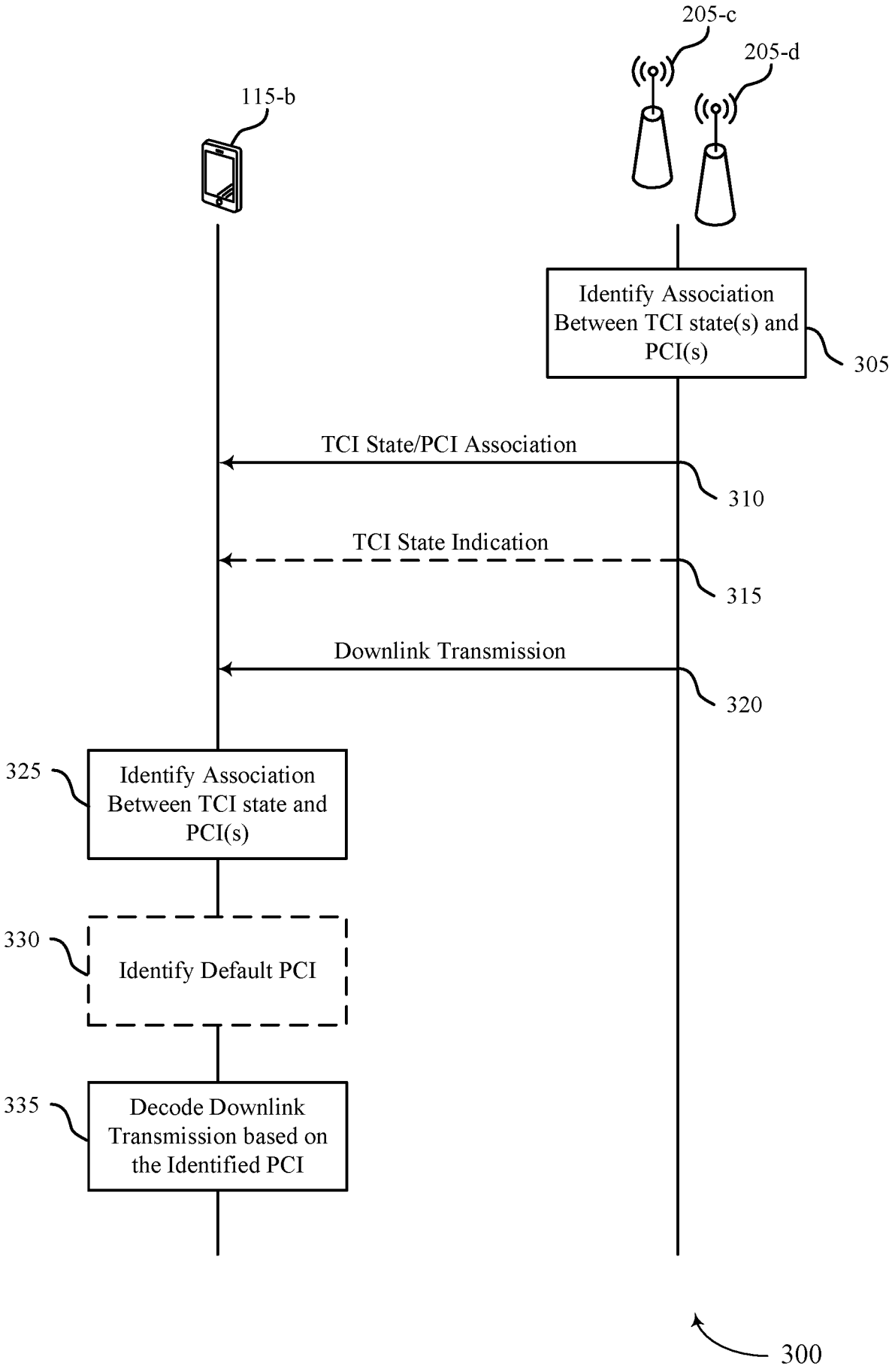

205-c
205-d
115-b
Identify Association Between TCI state(s) and PCI(s)
305
TCI State/PCI Association
310
TCI State Indication
315
Downlink Transmission
320
325
Identify Association Between TCI state and PCI(s)
330
Identify Default PCI
335
Decode Downlink Transmission based on the Identified PCI
300

FIG. 3

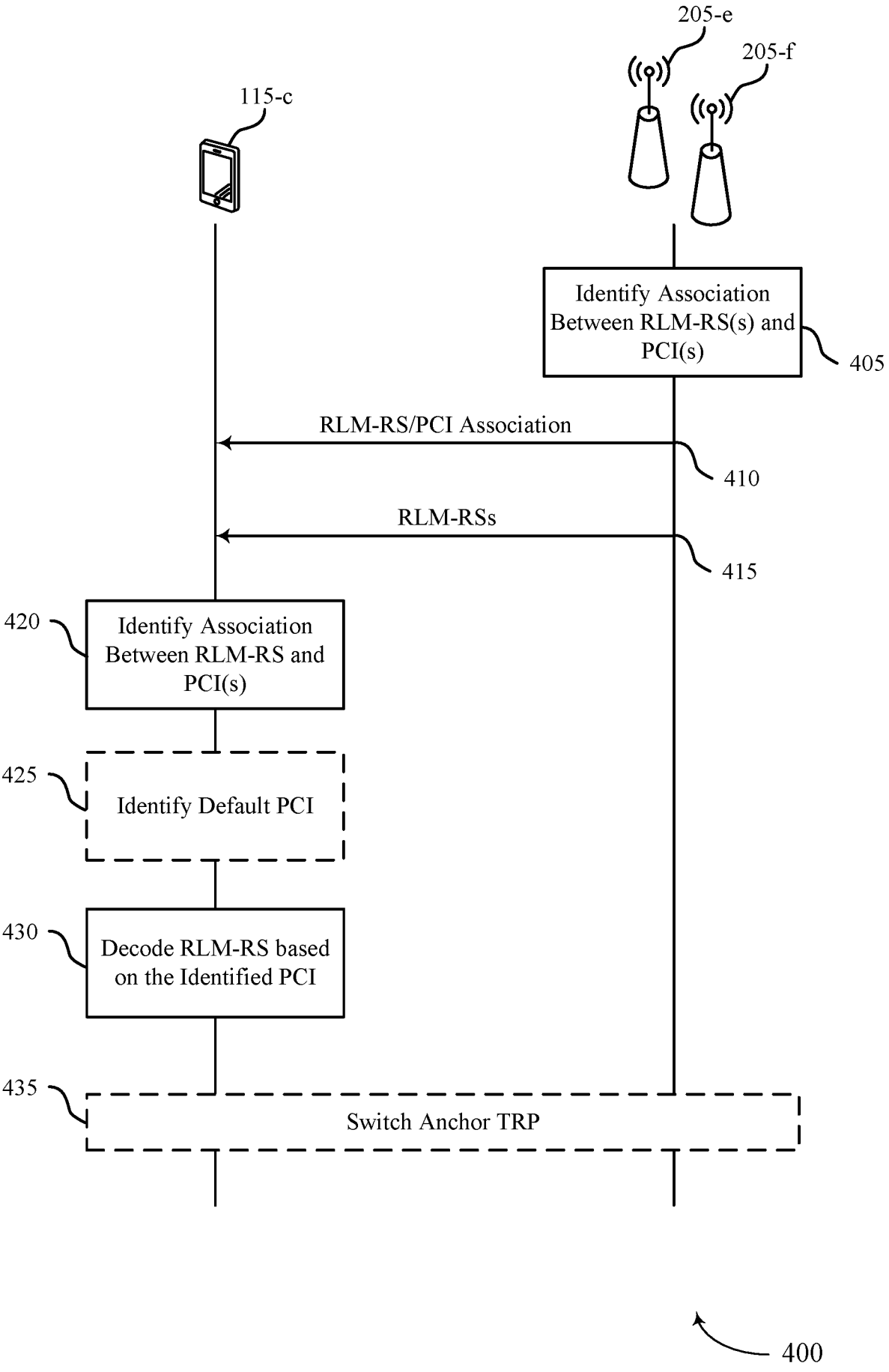

205-e
205-f
115-c
Identify Association Between RLM-RS(s) and PCI(s)
405
RLM-RS/PCI Association
410
RLM-RSs
415
420
Identify Association Between RLM-RS and PCI(s)
425
Identify Default PCI
430
Decode RLM-RS based on the Identified PCI
435
Switch Anchor TRP
400

FIG. 4

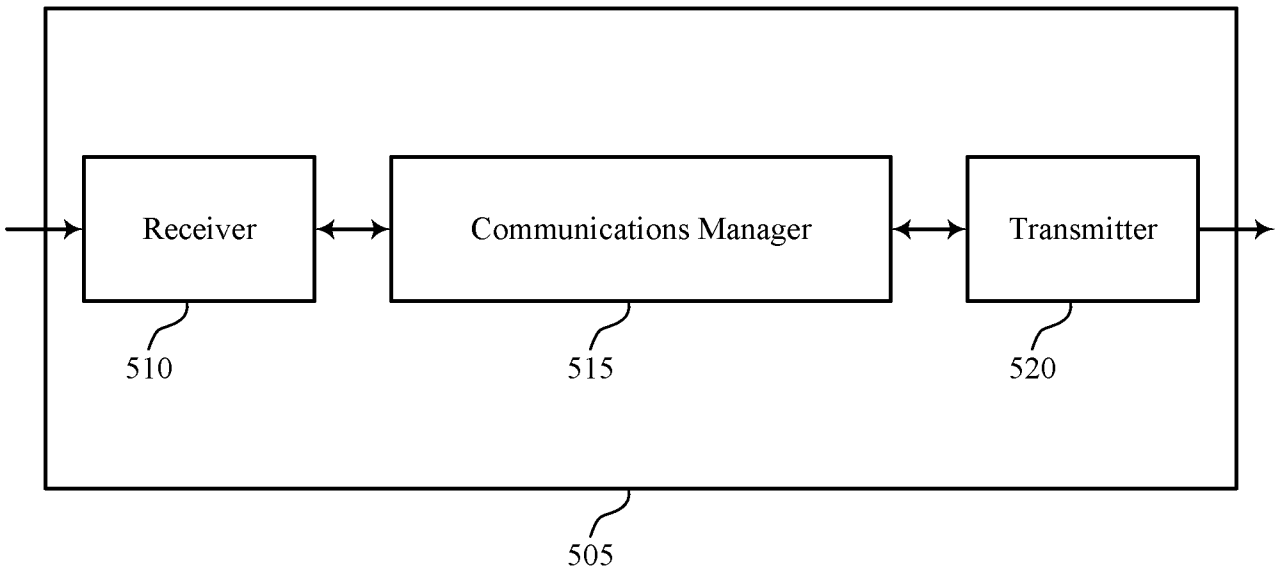

Receiver
Communications Manager
Transmitter
510
515
520
505
500

FIG. 5

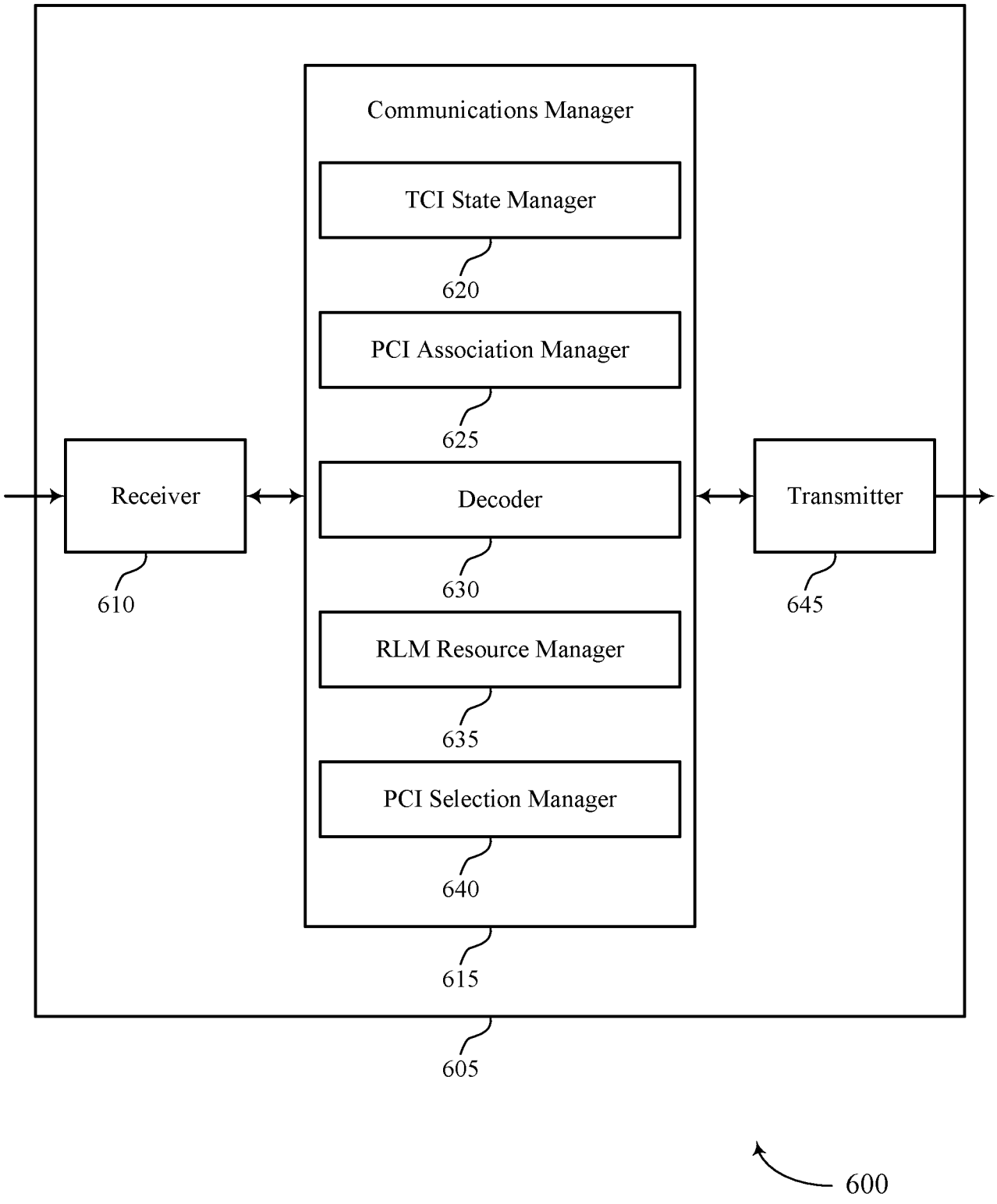

Communications Manager
TCI State Manager
620
PCI Association Manager
625
Receiver
Decoder
Transmitter
610
630
645
RLM Resource Manager
635
PCI Selection Manager
640
615
605
600

FIG. 6

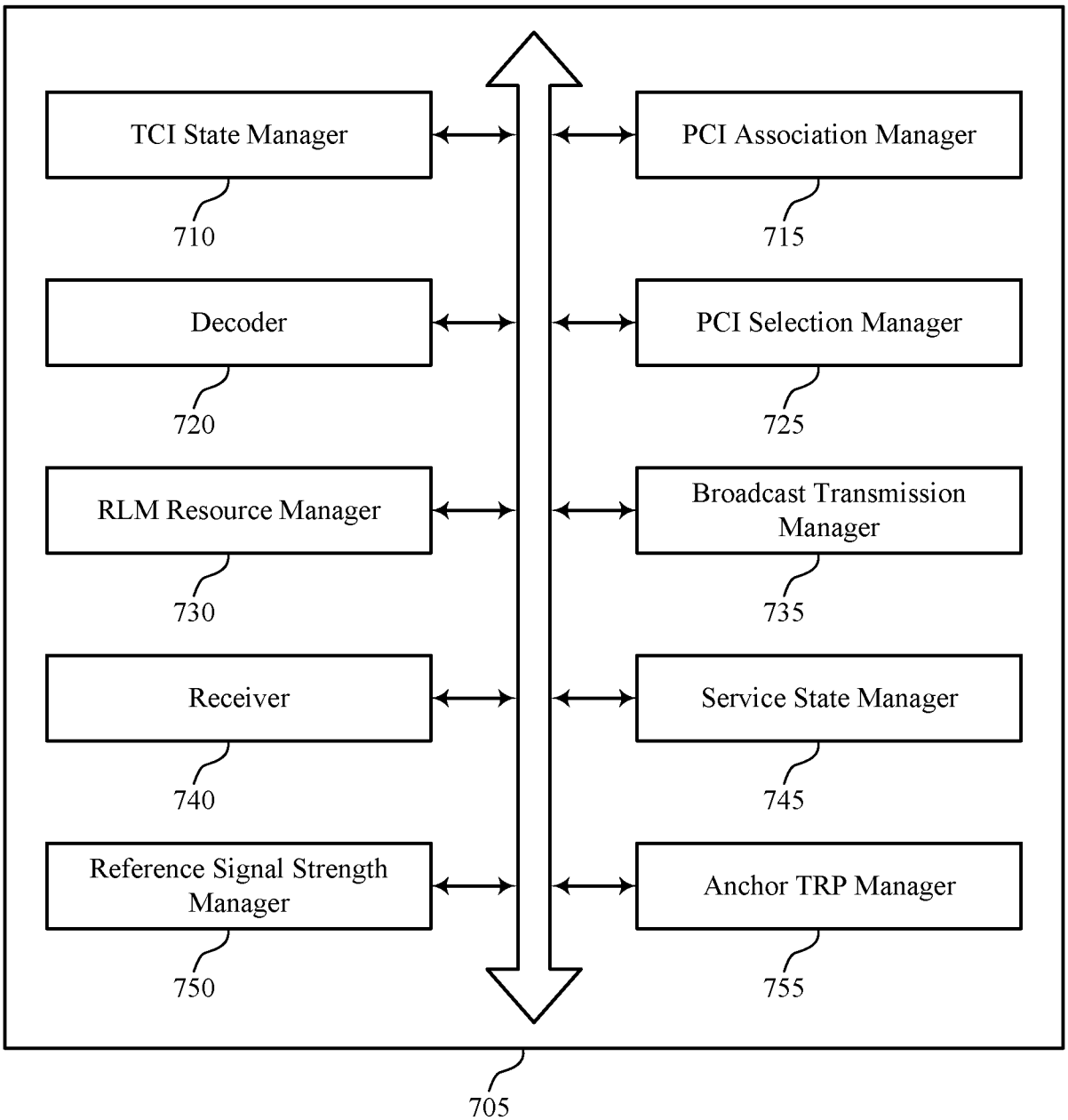

TCI State Manager
710
PCI Association Manager
715
Decoder
720
PCI Selection Manager
725
RLM Resource Manager
730
Broadcast Transmission Manager
735
Receiver
740
Service State Manager
745
Reference Signal Strength Manager
750
Anchor TRP Manager
755
705
700

FIG. 7

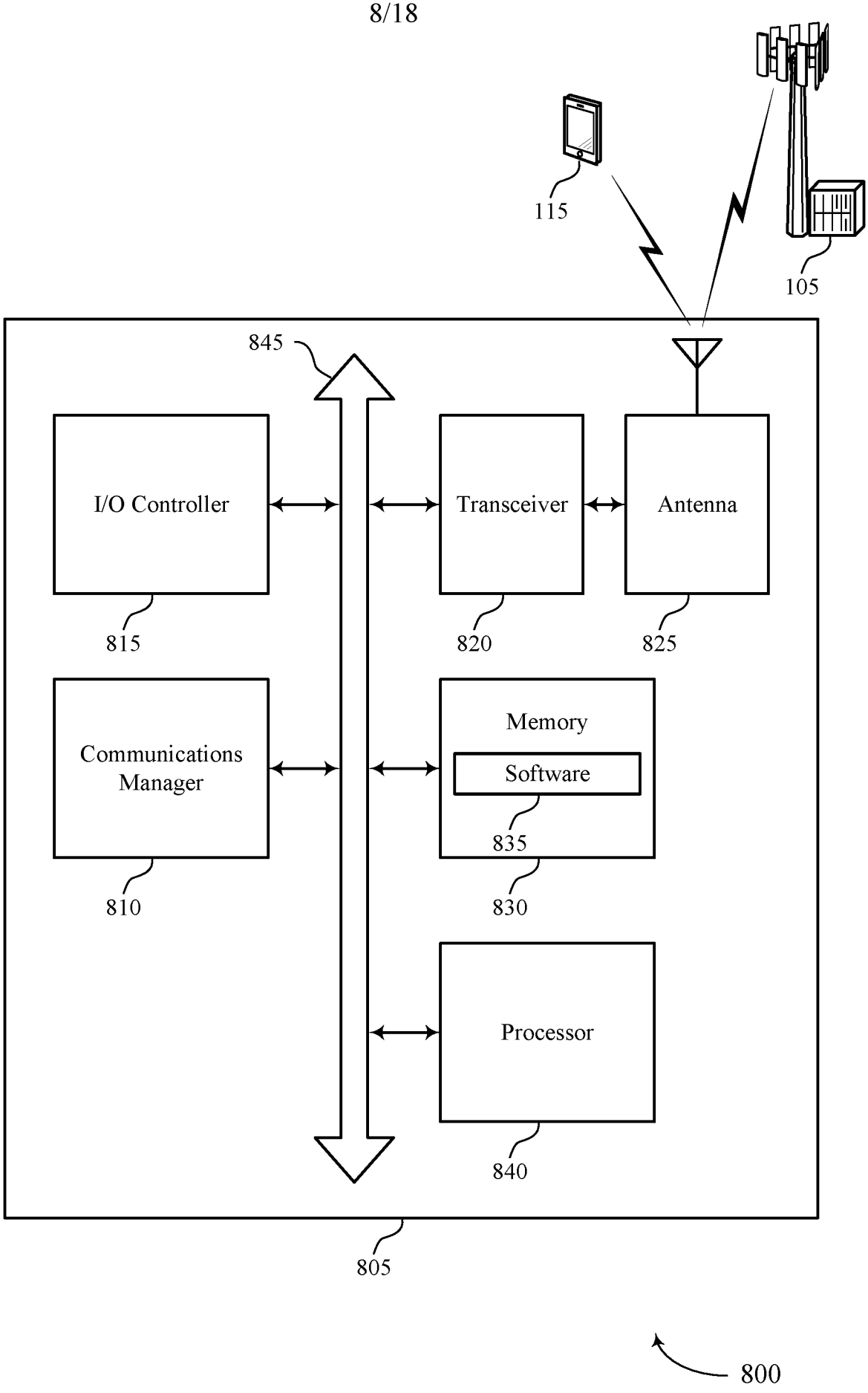

115
105
845
I/O Controller
Transceiver
Antenna
815
820
825
Communications Manager
Memory
Software
835
810
830
Processor
840
805
800

FIG. 8

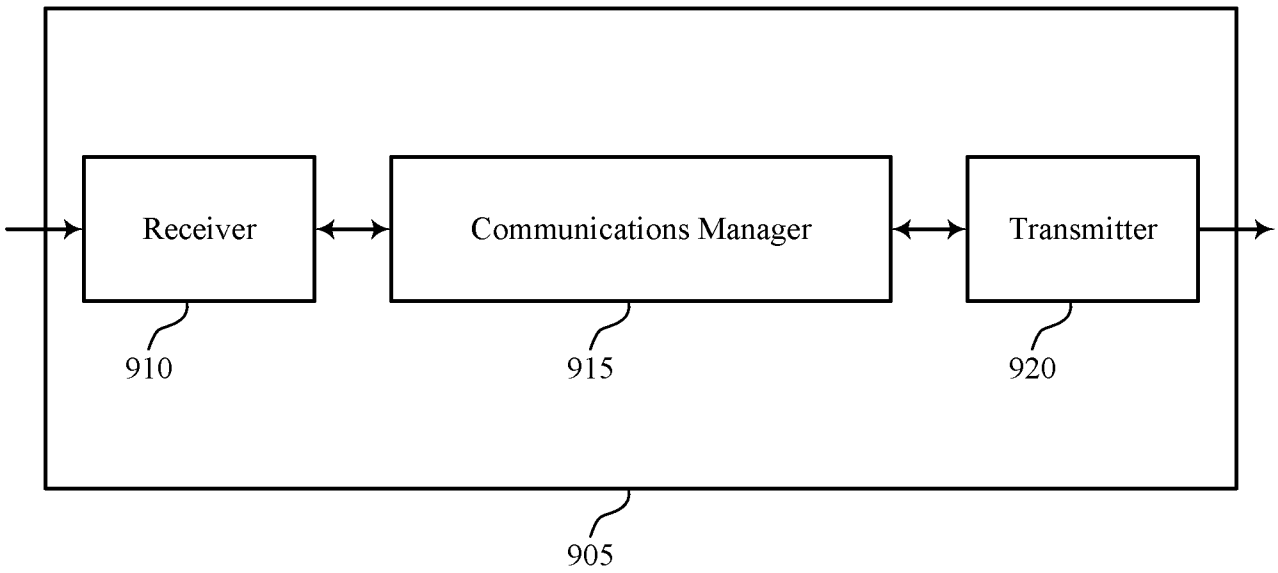

Receiver
Communications Manager
Transmitter
910
915
920
905
900

FIG. 9

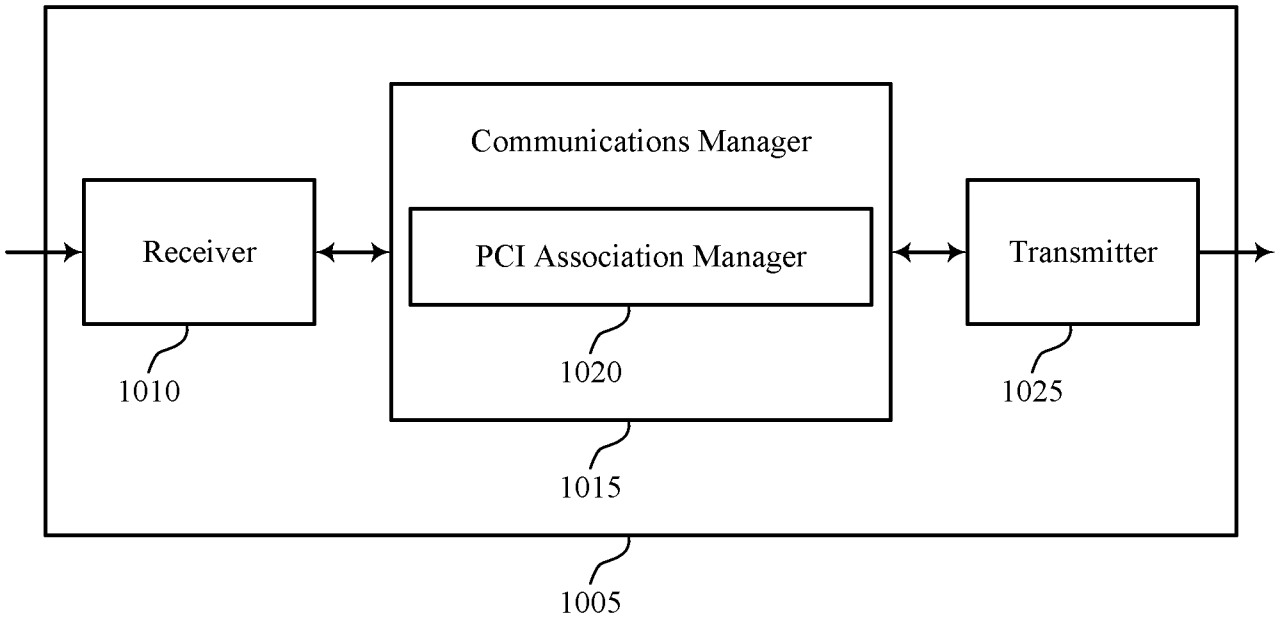

Communications Manager
Receiver
PCI Association Manager
Transmitter
1010
1020
1025
1015
1005
1000

FIG. 10

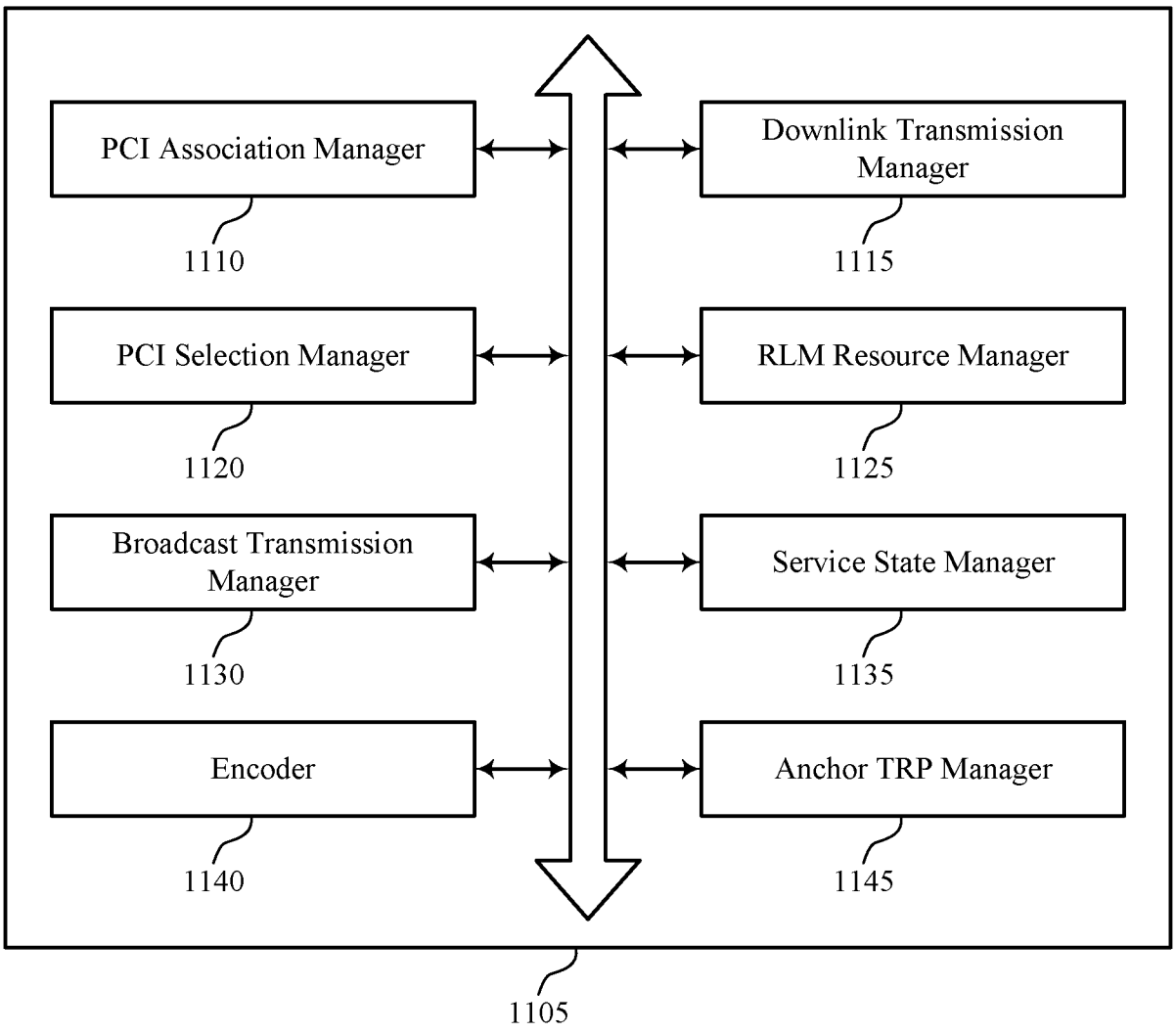

PCI Association Manager
1110
Downlink Transmission Manager
1115
PCI Selection Manager
1120
RLM Resource Manager
1125
Broadcast Transmission Manager
1130
Service State Manager
1135
Encoder
1140
Anchor TRP Manager
1145
1105
1100

FIG. 11

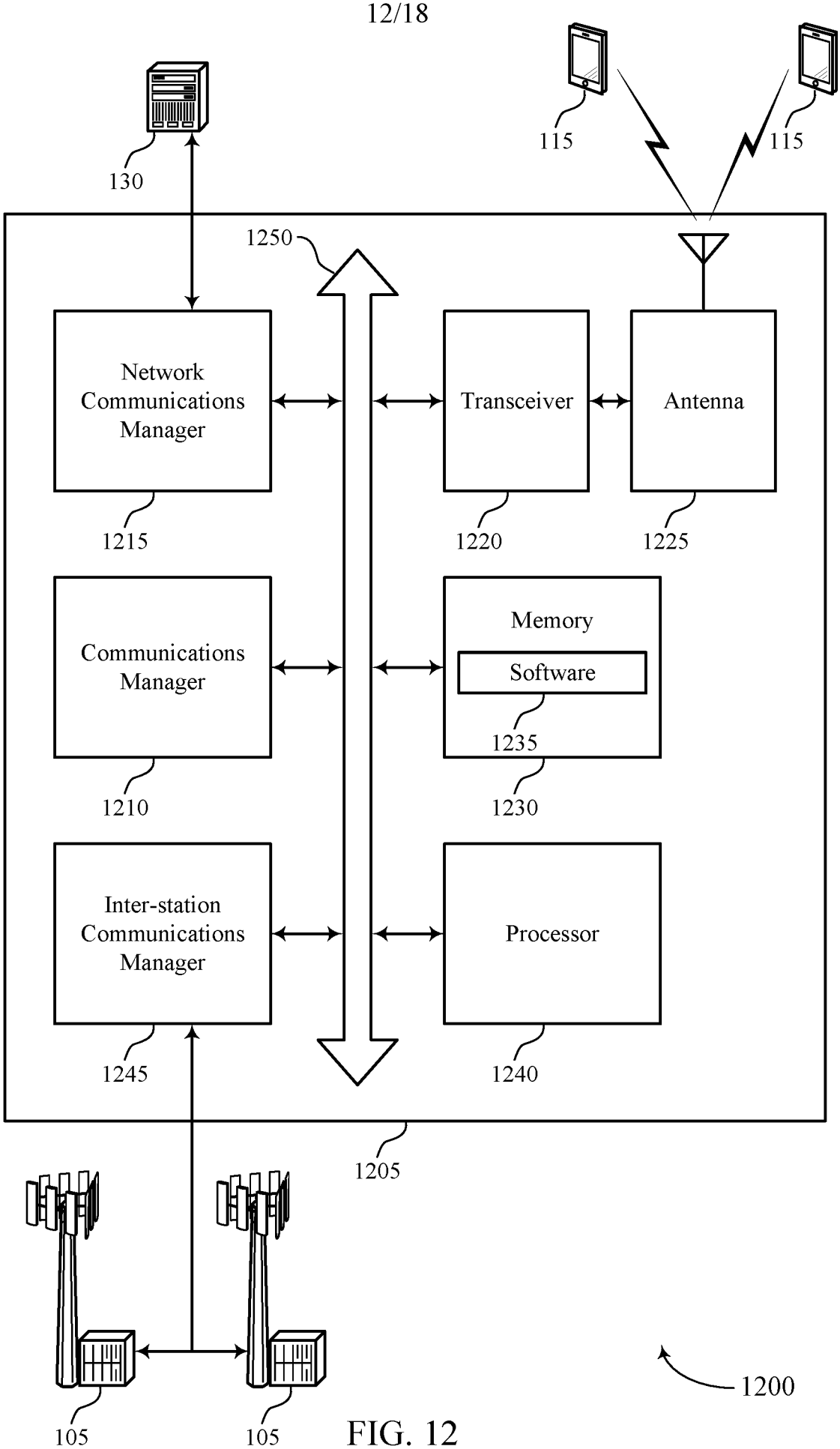

130
115
115
1250
Network Communications Manager
Transceiver
Antenna
1215
1220
1225
Communications Manager
Memory
Software
1235
1210
1230
Inter-station Communications Manager
Processor
1245
1240
1205
105
105
1200

FIG. 12

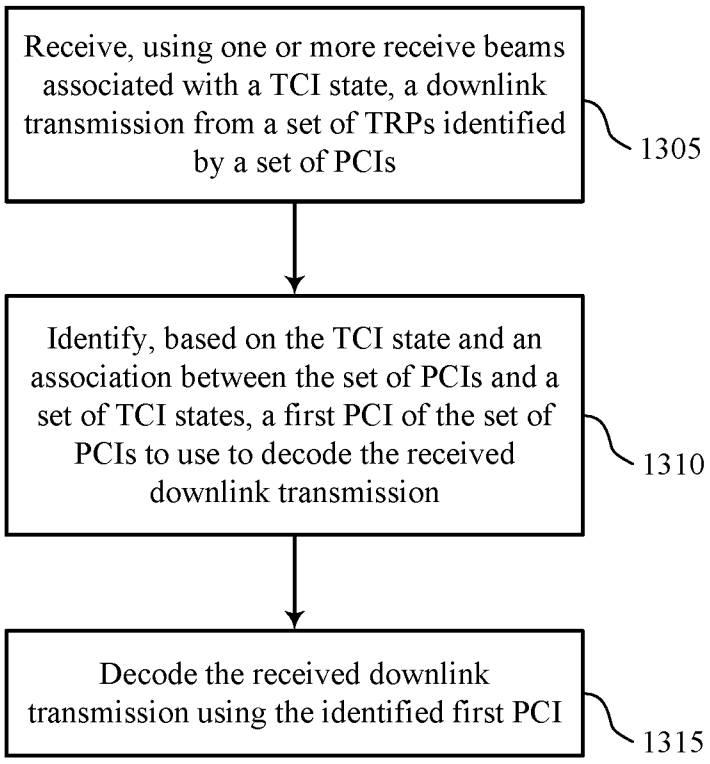

Receive, using one or more receive beams associated with a TCI state, a downlink transmission from a set of TRPs identified by a set of PCIs
1305
Identify, based on the TCI state and an association between the set of PCIs and a set of TCI states, a first PCI of the set of PCIs to use to decode the received downlink transmission
1310
Decode the received downlink transmission using the identified first PCI
1315
1300

FIG. 13

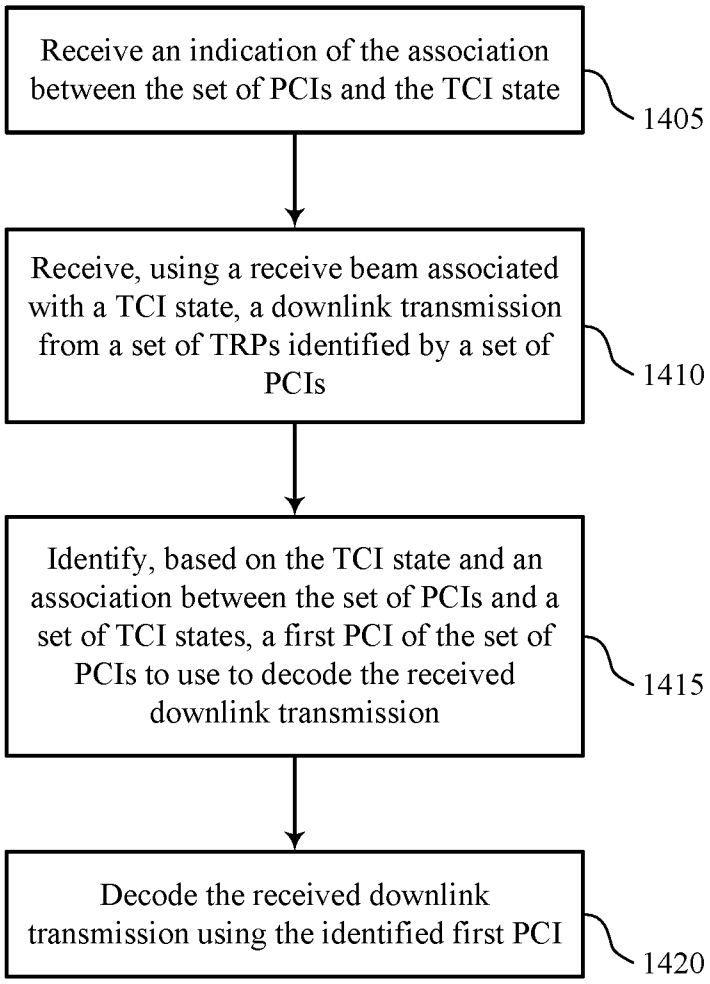

Receive an indication of the association between the set of PCIs and the TCI state
1405
Receive, using a receive beam associated with a TCI state, a downlink transmission from a set of TRPs identified by a set of PCIs
1410
Identify, based on the TCI state and an association between the set of PCIs and a set of TCI states, a first PCI of the set of PCIs to use to decode the received downlink transmission
1415
Decode the received downlink transmission using the identified first PCI
1420
1400

FIG. 14

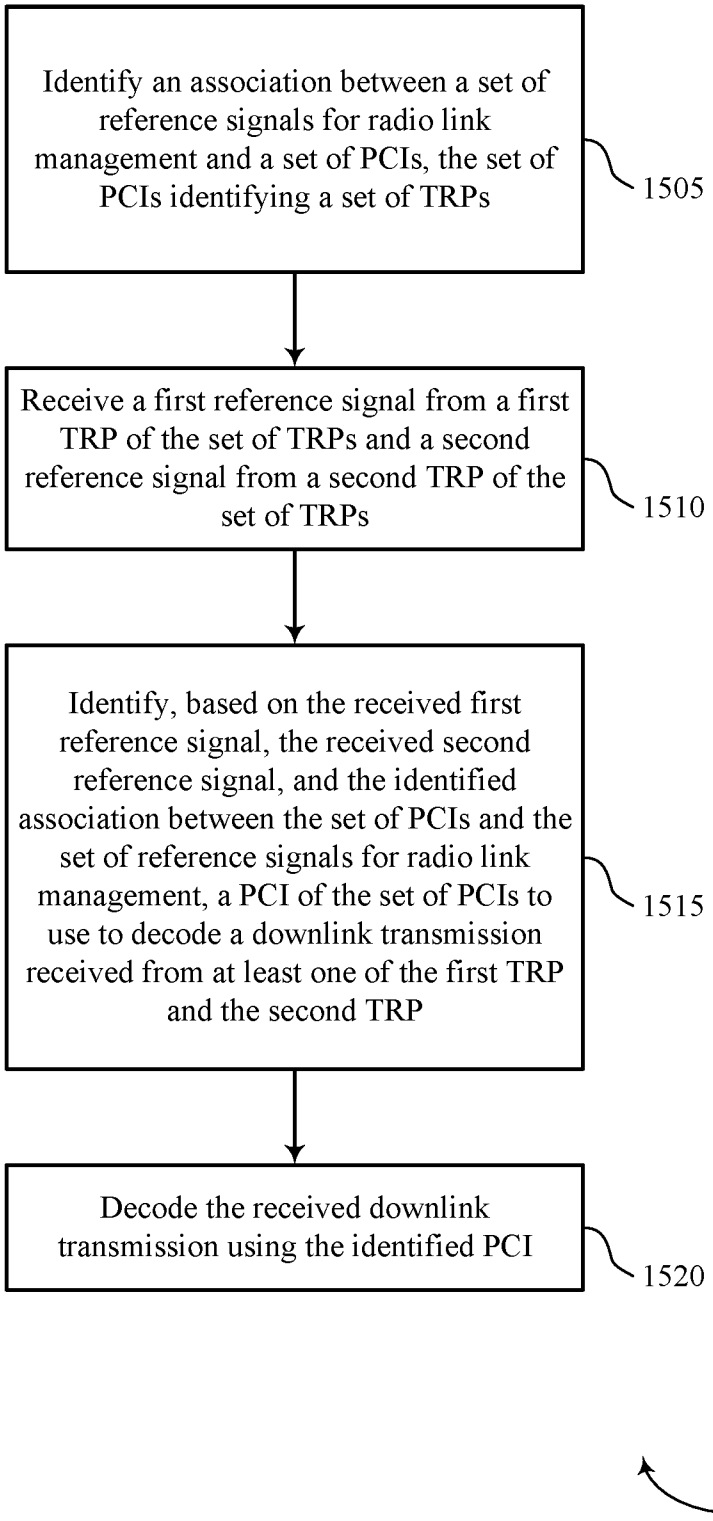

Identify an association between a set of reference signals for radio link management and a set of PCIs, the set of PCIs identifying a set of TRPs
1505
Receive a first reference signal from a first TRP of the set of TRPs and a second reference signal from a second TRP of the set of TRPs
1510
Identify, based on the received first reference signal, the received second reference signal, and the identified association between the set of PCIs and the set of reference signals for radio link management, a PCI of the set of PCIs to use to decode a downlink transmission received from at least one of the first TRP and the second TRP
1515
Decode the received downlink transmission using the identified PCI
1520
1500

FIG. 15

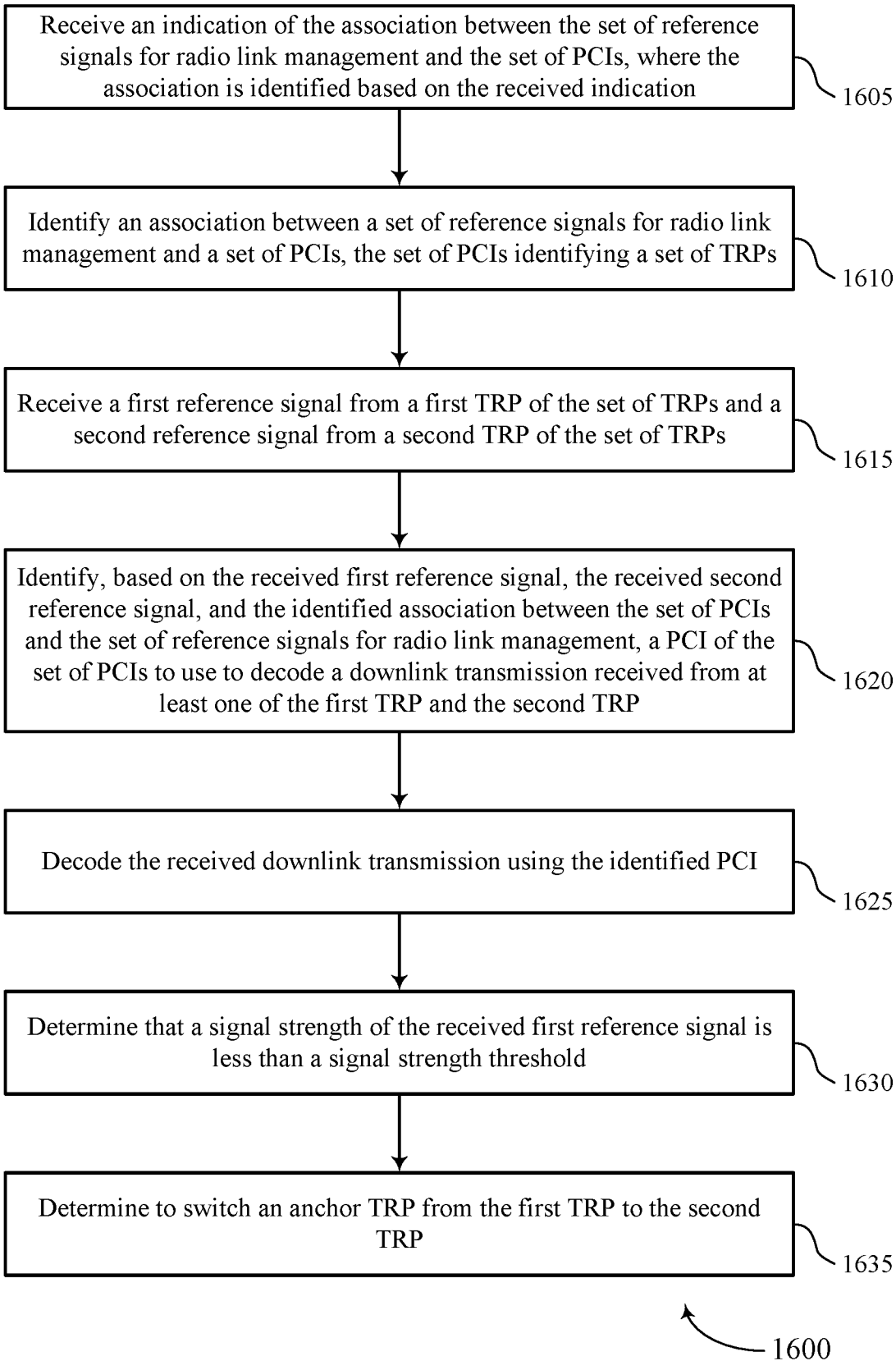

Receive an indication of the association between the set of reference signals for radio link management and the set of PCIs, where the association is identified based on the received indication
1605
Identify an association between a set of reference signals for radio link management and a set of PCIs, the set of PCIs identifying a set of TRPs
1610
Receive a first reference signal from a first TRP of the set of TRPs and a second reference signal from a second TRP of the set of TRPs
1615
Identify, based on the received first reference signal, the received second reference signal, and the identified association between the set of PCIs and the set of reference signals for radio link management, a PCI of the set of PCIs to use to decode a downlink transmission received from at least one of the first TRP and the second TRP
1620
Decode the received downlink transmission using the identified PCI
1625
Determine that a signal strength of the received first reference signal is less than a signal strength threshold
1630
Determine to switch an anchor TRP from the first TRP to the second TRP
1635
1600

FIG. 16

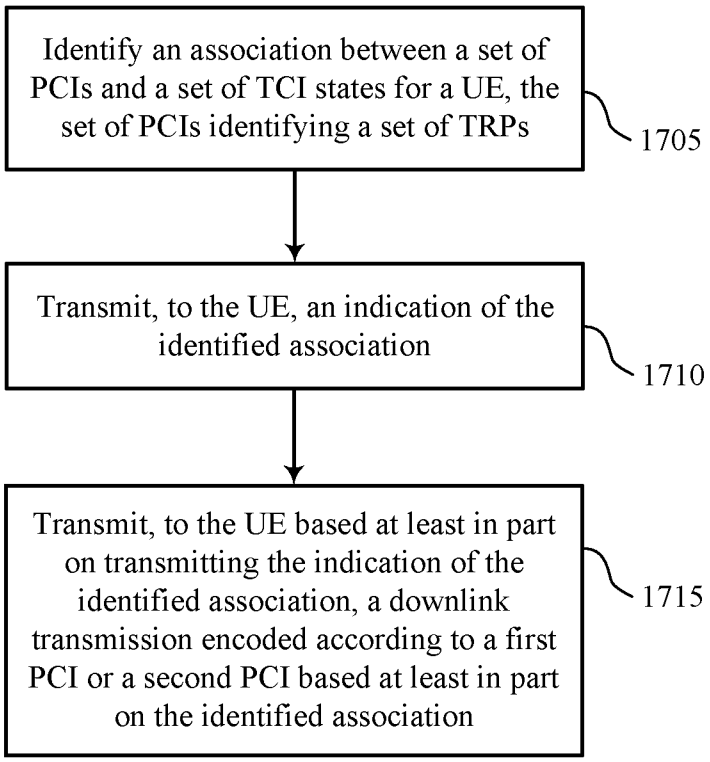

Identify an association between a set of PCIs and a set of TCI states for a UE, the set of PCIs identifying a set of TRPs
1705
Transmit, to the UE, an indication of the identified association
1710
Transmit, to the UE based at least in part on transmitting the indication of the identified association, a downlink transmission encoded according to a first PCI or a second PCI based at least in part on the identified association
1715
1700

FIG. 17

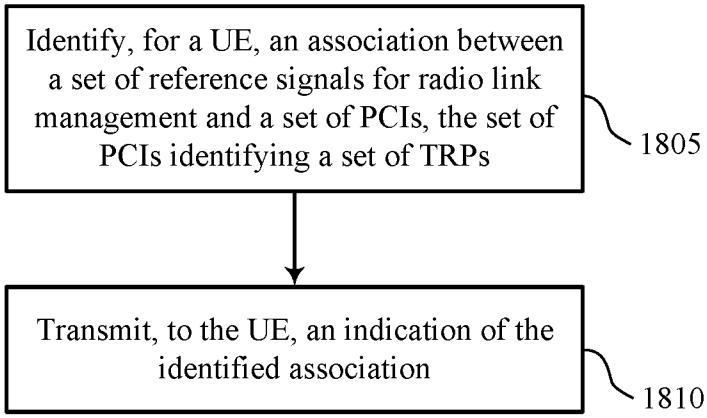

Identify, for a UE, an association between a set of reference signals for radio link management and a set of PCIs, the set of PCIs identifying a set of TRPs
1805
Transmit, to the UE, an indication of the identified association
1810
1800

FIG. 18