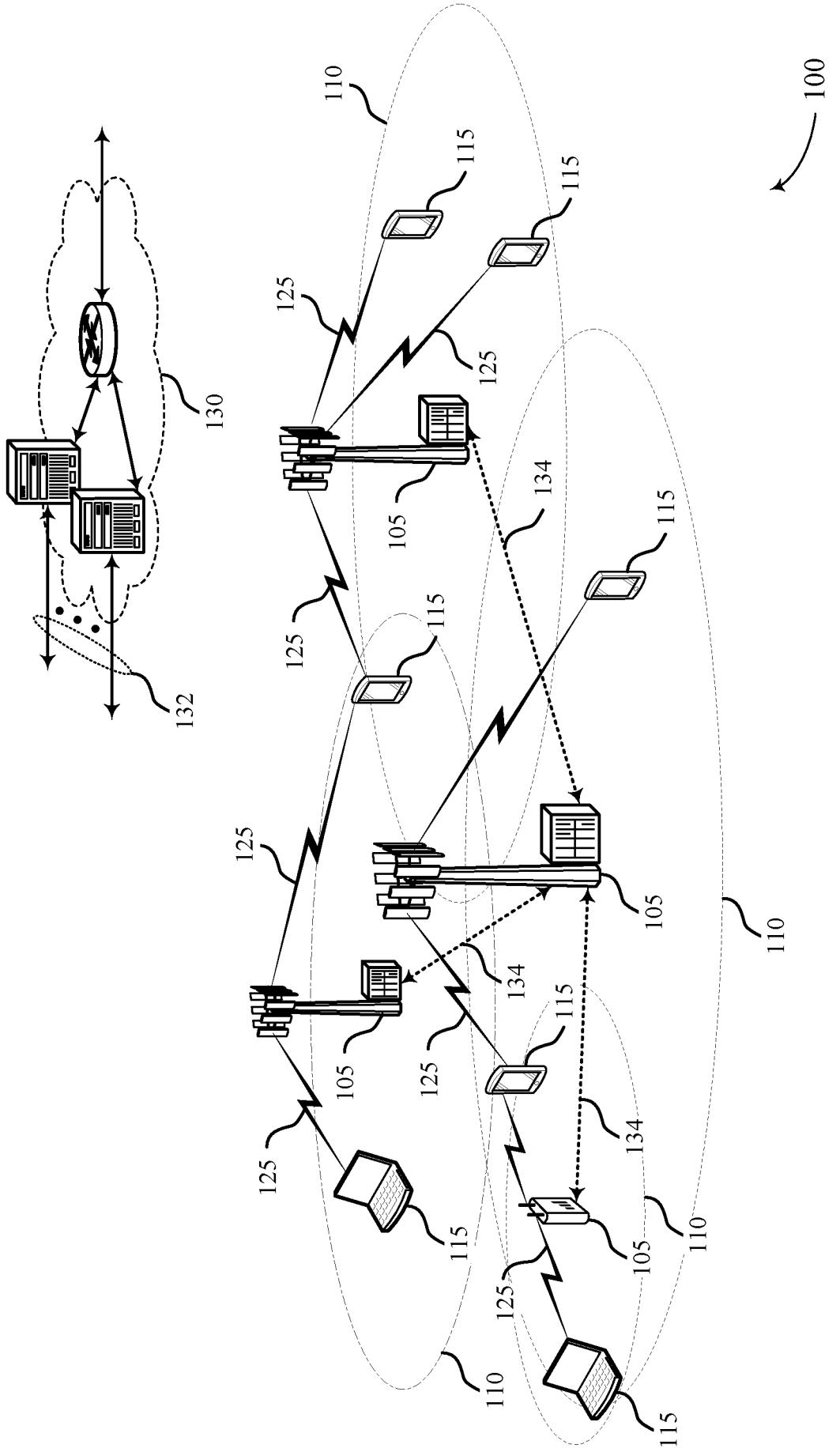
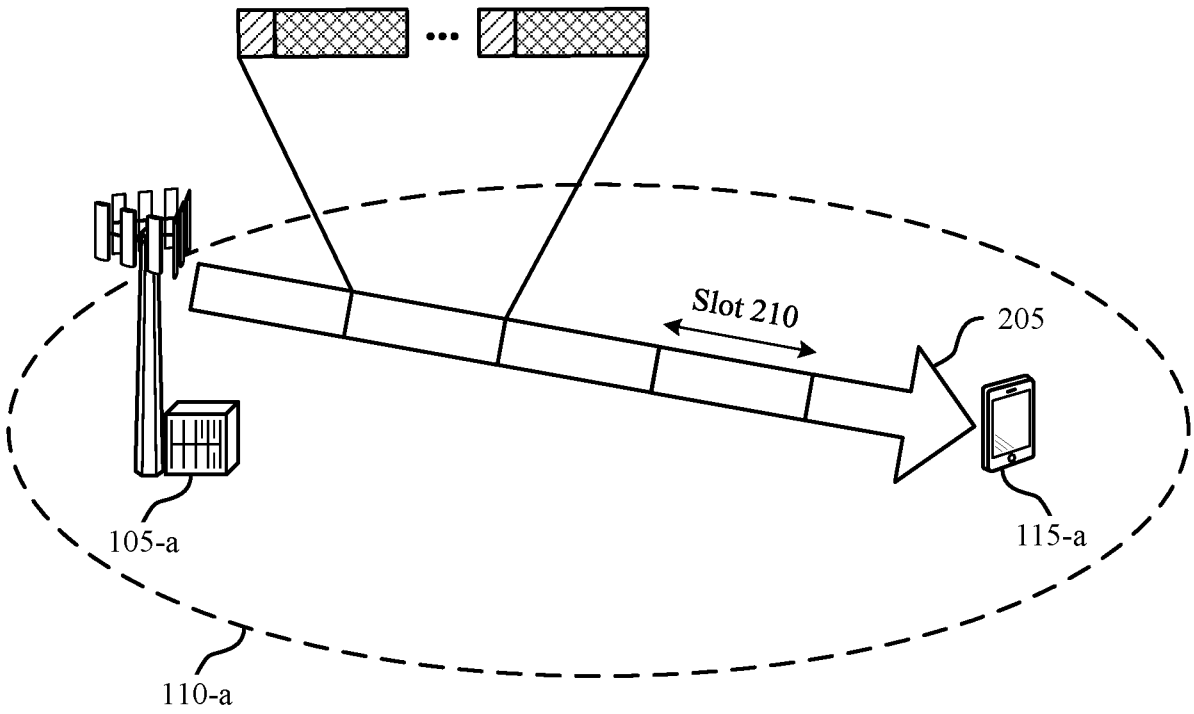


FIG. 1



PDCCH Monitoring Occasion 215

PDSCH 220

200

FIG. 2

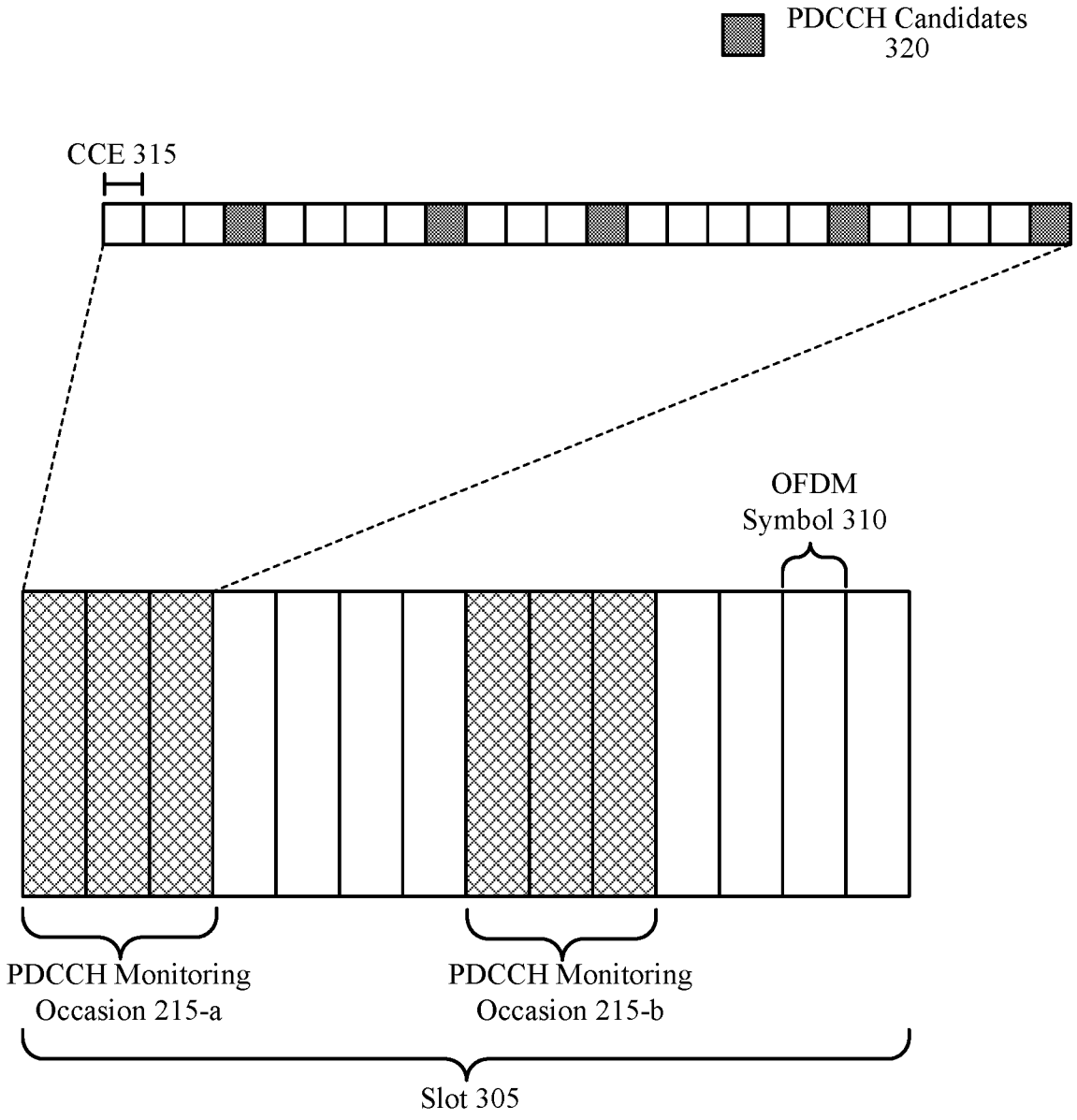

PDCCH Candidates
320
CCE 315
OFDM
Symbol 310
PDCCH Monitoring
Occasion 215-a
PDCCH Monitoring
Occasion 215-b
Slot 305
300

FIG. 3

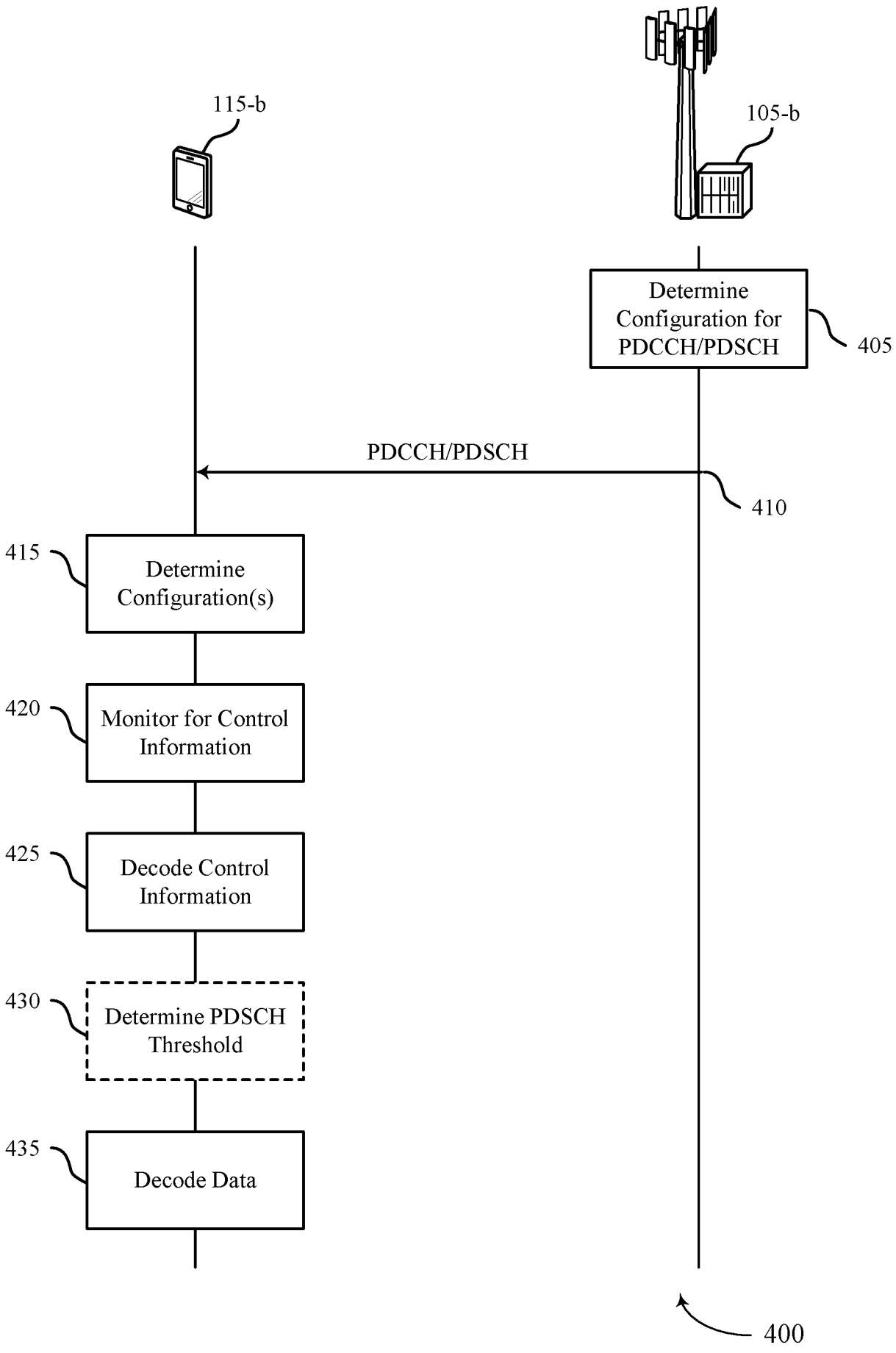

115-b
105-b
Determine Configuration for PDCCH/PDSCH
405
PDCCH/PDSCH
410
415
Determine Configuration(s)
420
Monitor for Control Information
425
Decode Control Information
430
Determine PDSCH Threshold
435
Decode Data
400

FIG. 4

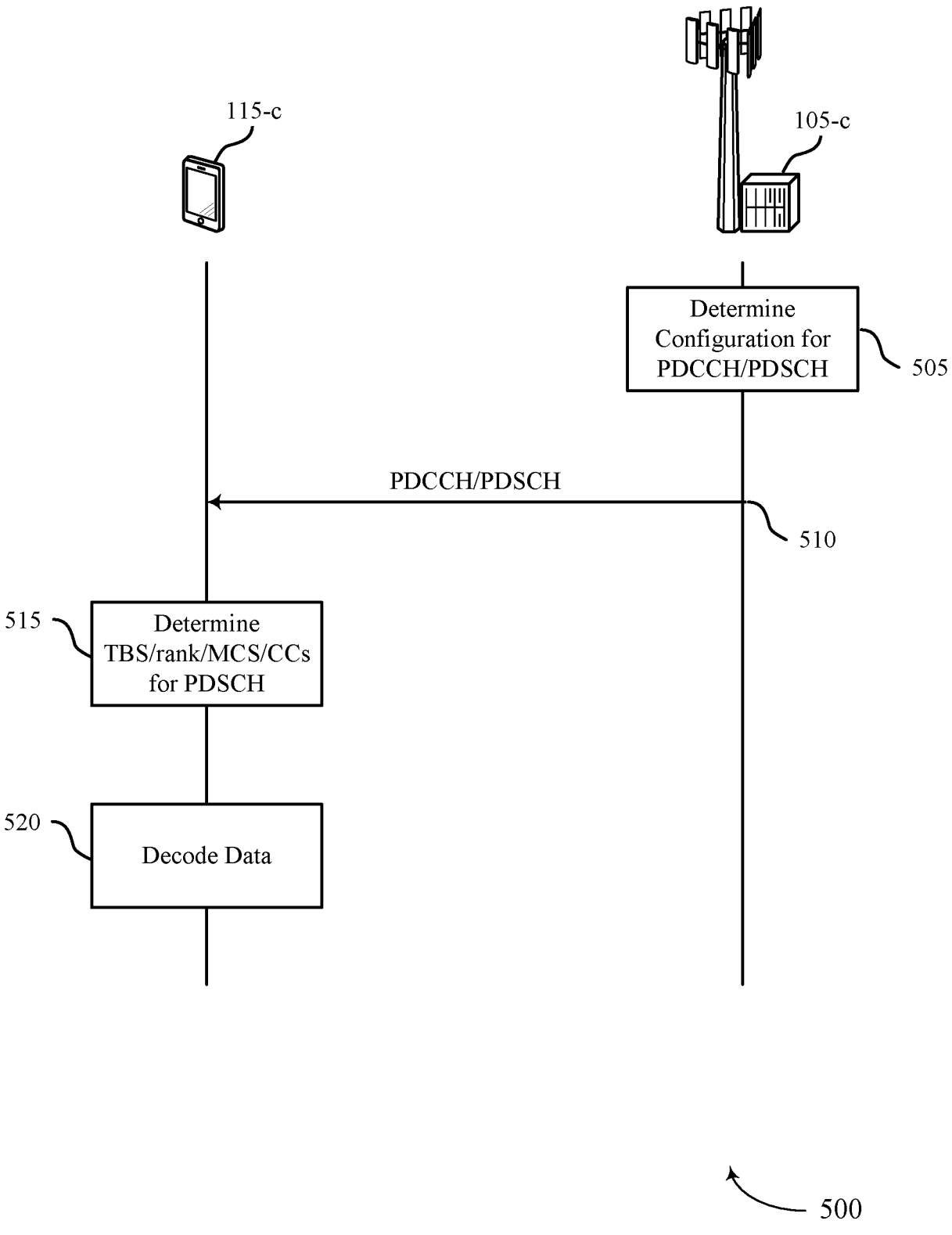

115-c
105-c
Determine Configuration for PDCCH/PDSCH
505
PDCCH/PDSCH
510
515
Determine TBS/rank/MCS/CCs for PDSCH
520
Decode Data
500

FIG. 5

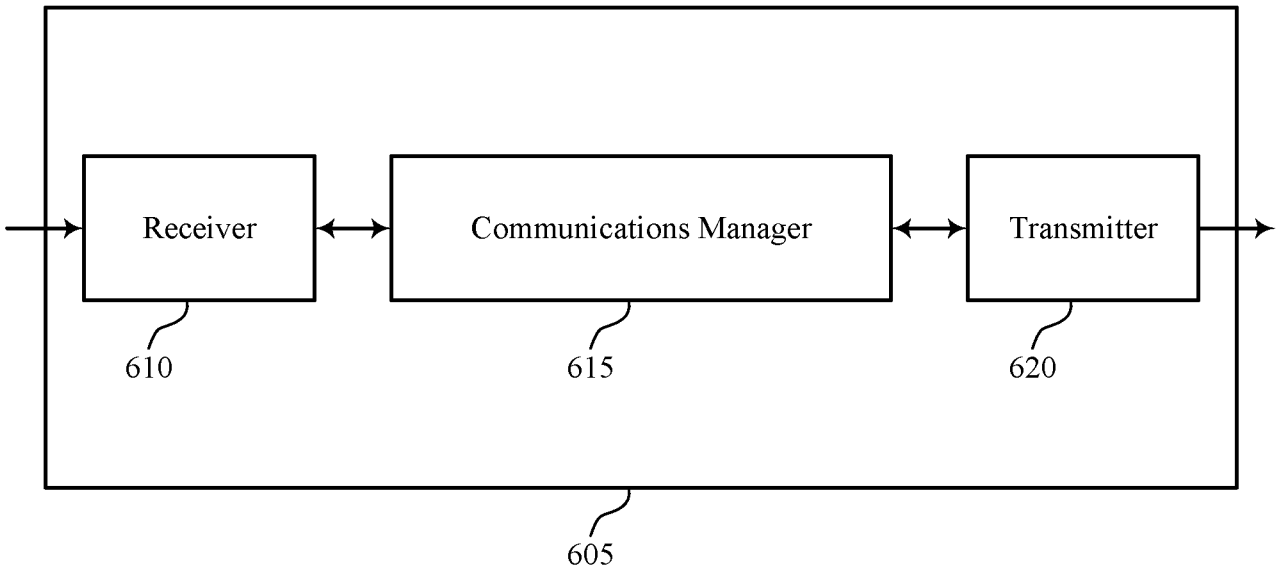

Receiver
Communications Manager
Transmitter
610
615
620
605
600

FIG. 6

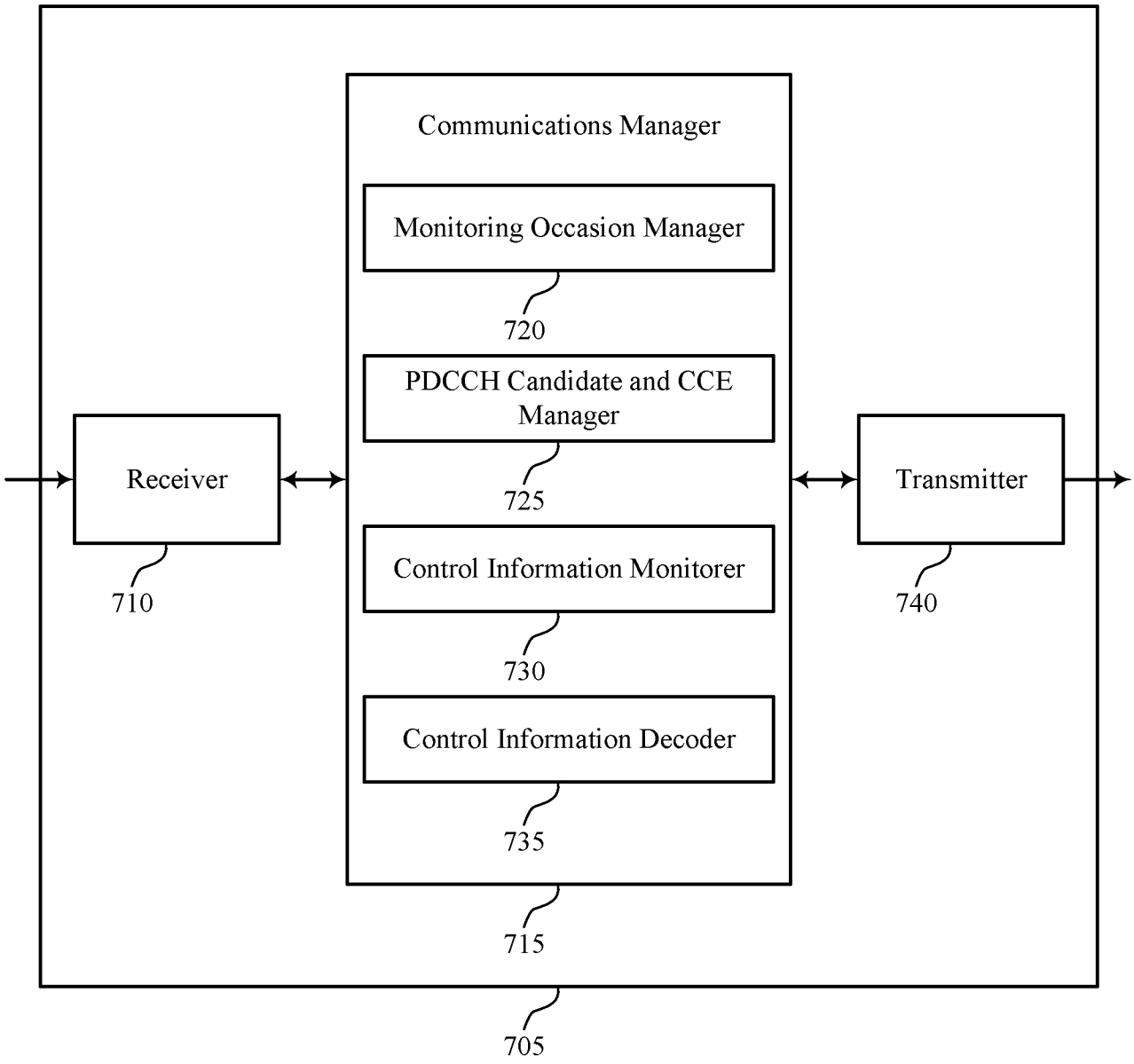

Communications Manager
Monitoring Occasion Manager
720
PDCCH Candidate and CCE Manager
725
Control Information Monitorer
730
Control Information Decoder
735
715
Receiver
710
Transmitter
740
705
700

FIG. 7

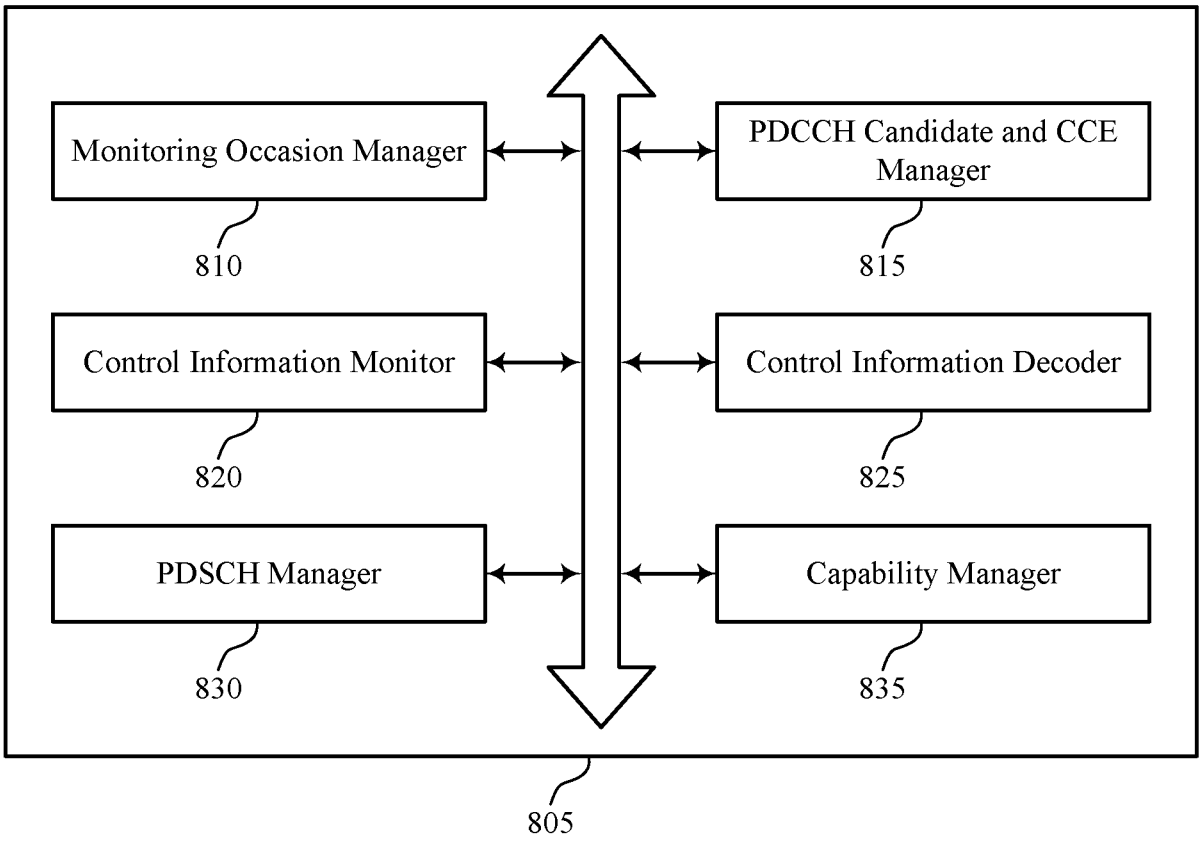

Monitoring Occasion Manager
810
PDCCH Candidate and CCE Manager
815
Control Information Monitor
820
Control Information Decoder
825
PDSCH Manager
830
Capability Manager
835
805
800

FIG. 8

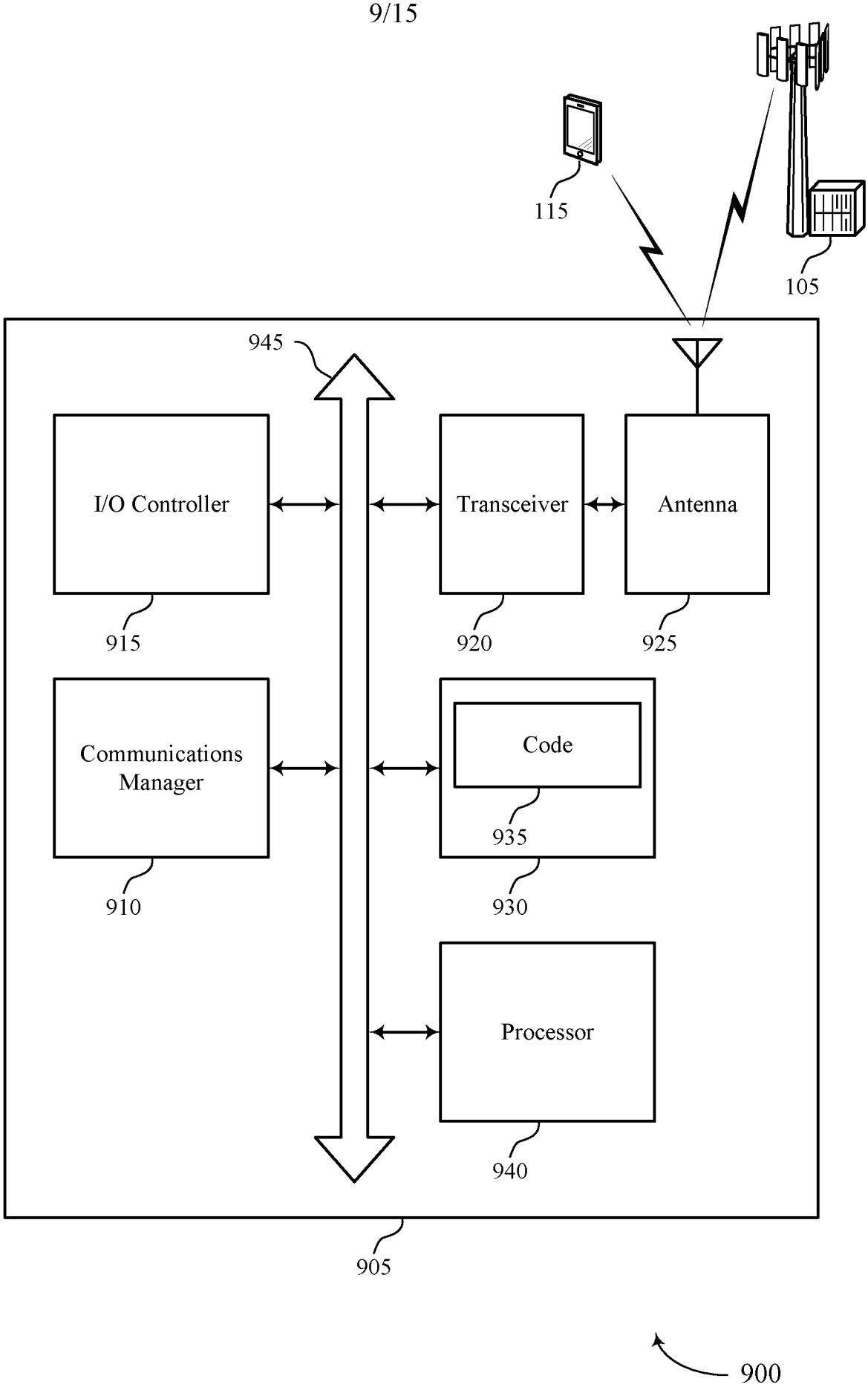

115
105
945
I/O Controller
Transceiver
Antenna
915
920
925
Communications Manager
Code
935
910
930
Processor
940
905
900

FIG. 9

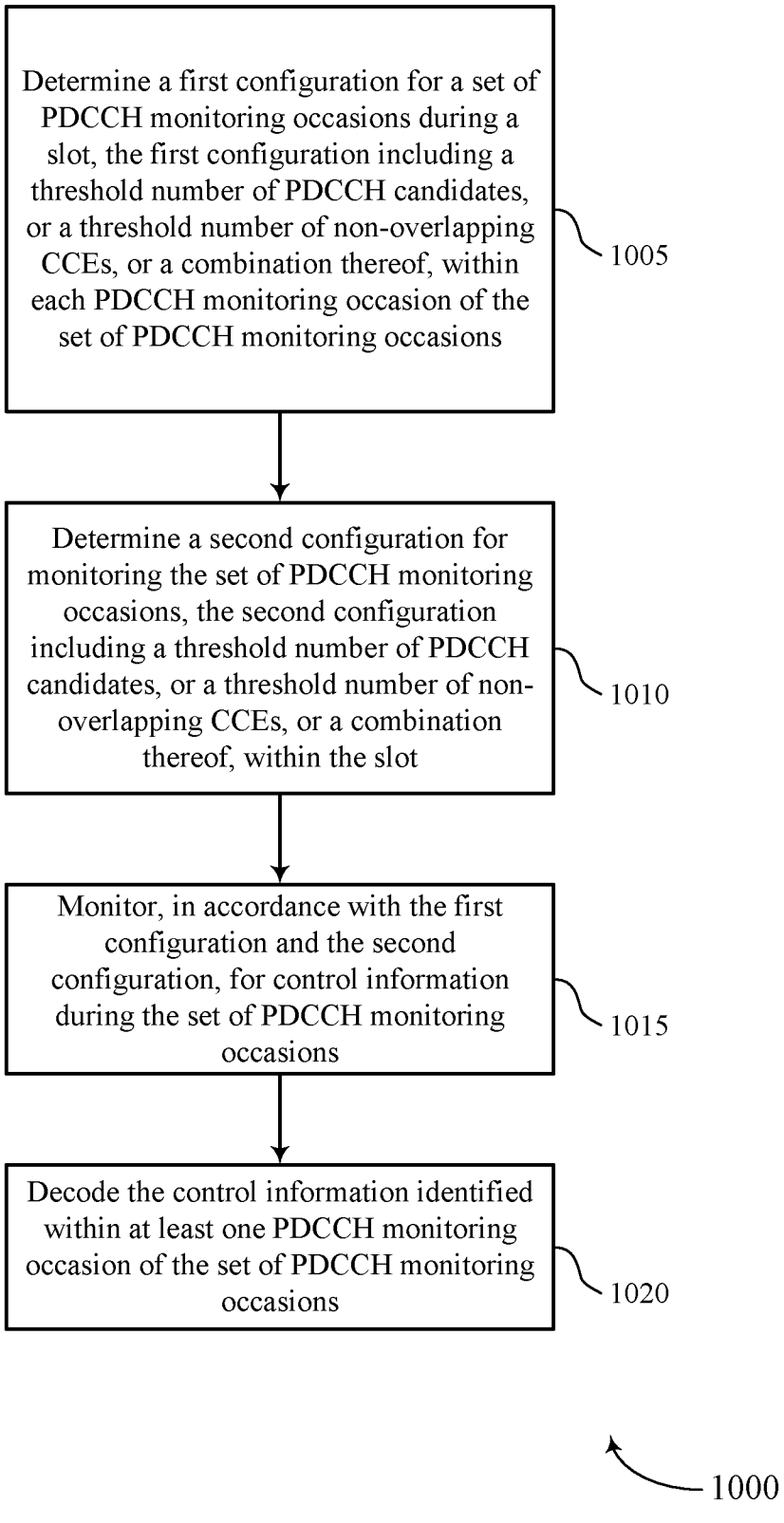

Determine a first configuration for a set of PDCCH monitoring occasions during a slot, the first configuration including a threshold number of PDCCH candidates, or a threshold number of non-overlapping CCEs, or a combination thereof, within each PDCCH monitoring occasion of the set of PDCCH monitoring occasions
1005
Determine a second configuration for monitoring the set of PDCCH monitoring occasions, the second configuration including a threshold number of PDCCH candidates, or a threshold number of non-overlapping CCEs, or a combination thereof, within the slot
1010
Monitor, in accordance with the first configuration and the second configuration, for control information during the set of PDCCH monitoring occasions
1015
Decode the control information identified within at least one PDCCH monitoring occasion of the set of PDCCH monitoring occasions
1020
1000

FIG. 10

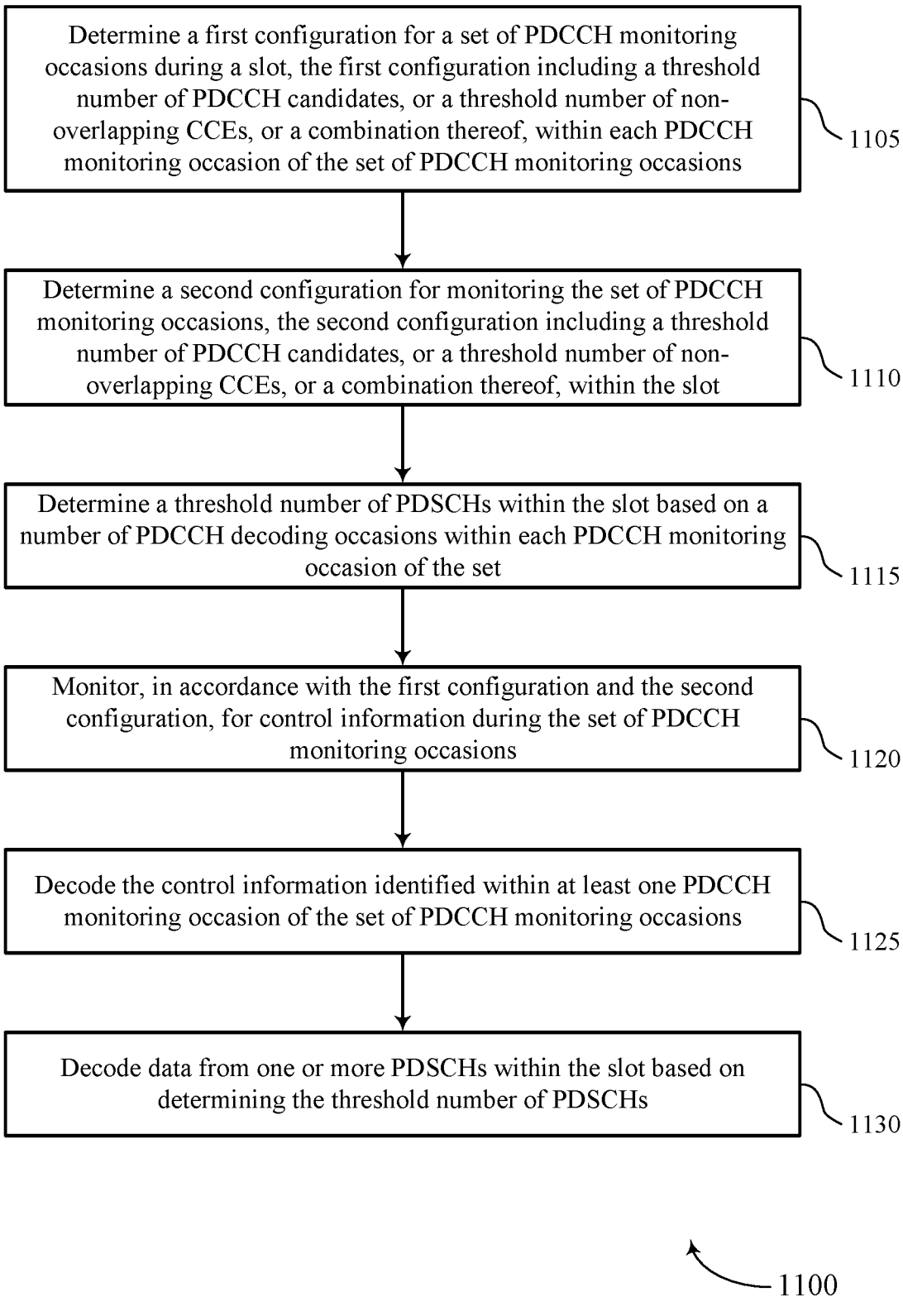

Determine a first configuration for a set of PDCCH monitoring occasions during a slot, the first configuration including a threshold number of PDCCH candidates, or a threshold number of non-overlapping CCEs, or a combination thereof, within each PDCCH monitoring occasion of the set of PDCCH monitoring occasions
1105
Determine a second configuration for monitoring the set of PDCCH monitoring occasions, the second configuration including a threshold number of PDCCH candidates, or a threshold number of non-overlapping CCEs, or a combination thereof, within the slot
1110
Determine a threshold number of PDSCHs within the slot based on a number of PDCCH decoding occasions within each PDCCH monitoring occasion of the set
1115
Monitor, in accordance with the first configuration and the second configuration, for control information during the set of PDCCH monitoring occasions
1120
Decode the control information identified within at least one PDCCH monitoring occasion of the set of PDCCH monitoring occasions
1125
Decode data from one or more PDSCHs within the slot based on determining the threshold number of PDSCHs
1130
1100

FIG. 11

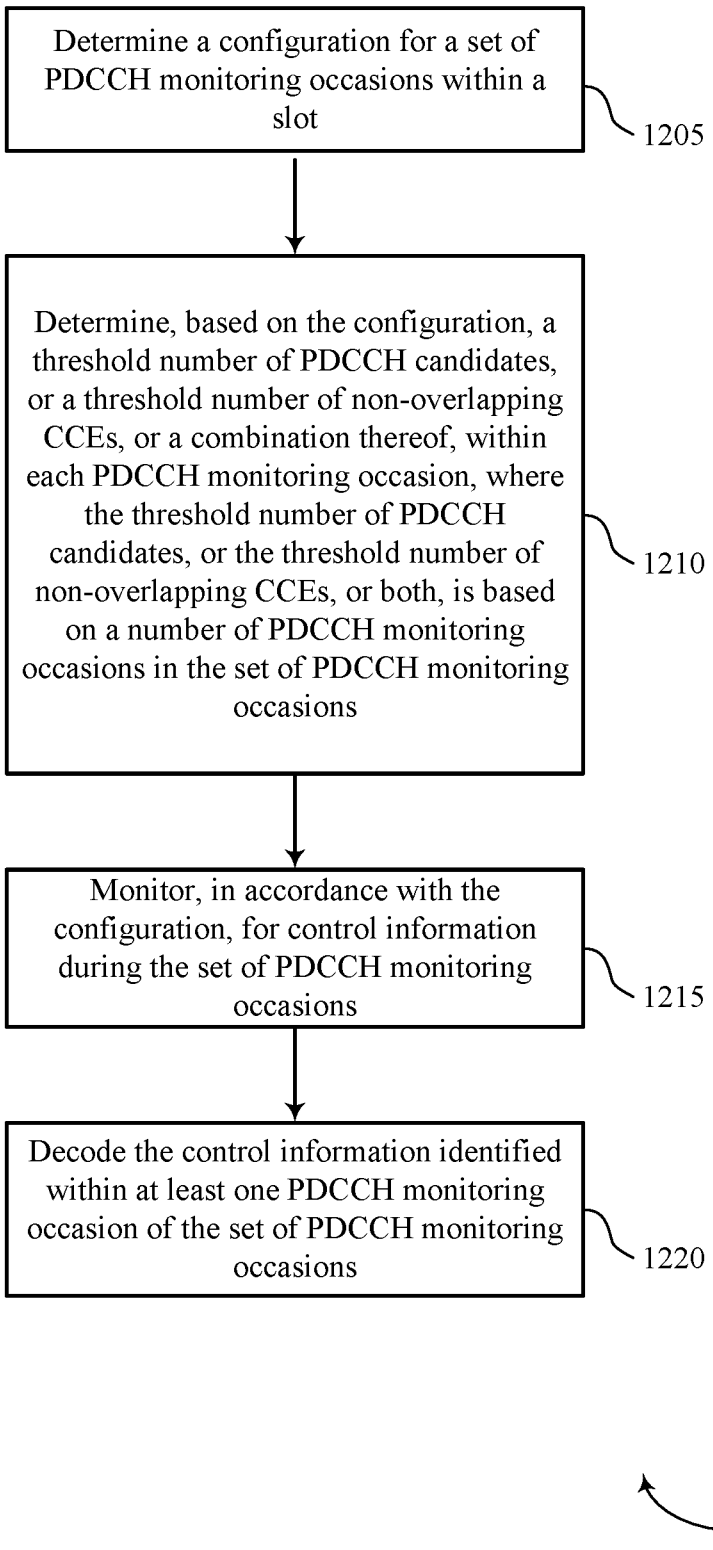

Determine a configuration for a set of PDCCH monitoring occasions within a slot
1205
Determine, based on the configuration, a threshold number of PDCCH candidates, or a threshold number of non-overlapping CCEs, or a combination thereof, within each PDCCH monitoring occasion, where the threshold number of PDCCH candidates, or the threshold number of non-overlapping CCEs, or both, is based on a number of PDCCH monitoring occasions in the set of PDCCH monitoring occasions
1210
Monitor, in accordance with the configuration, for control information during the set of PDCCH monitoring occasions
1215
Decode the control information identified within at least one PDCCH monitoring occasion of the set of PDCCH monitoring occasions
1220
1200

FIG. 12

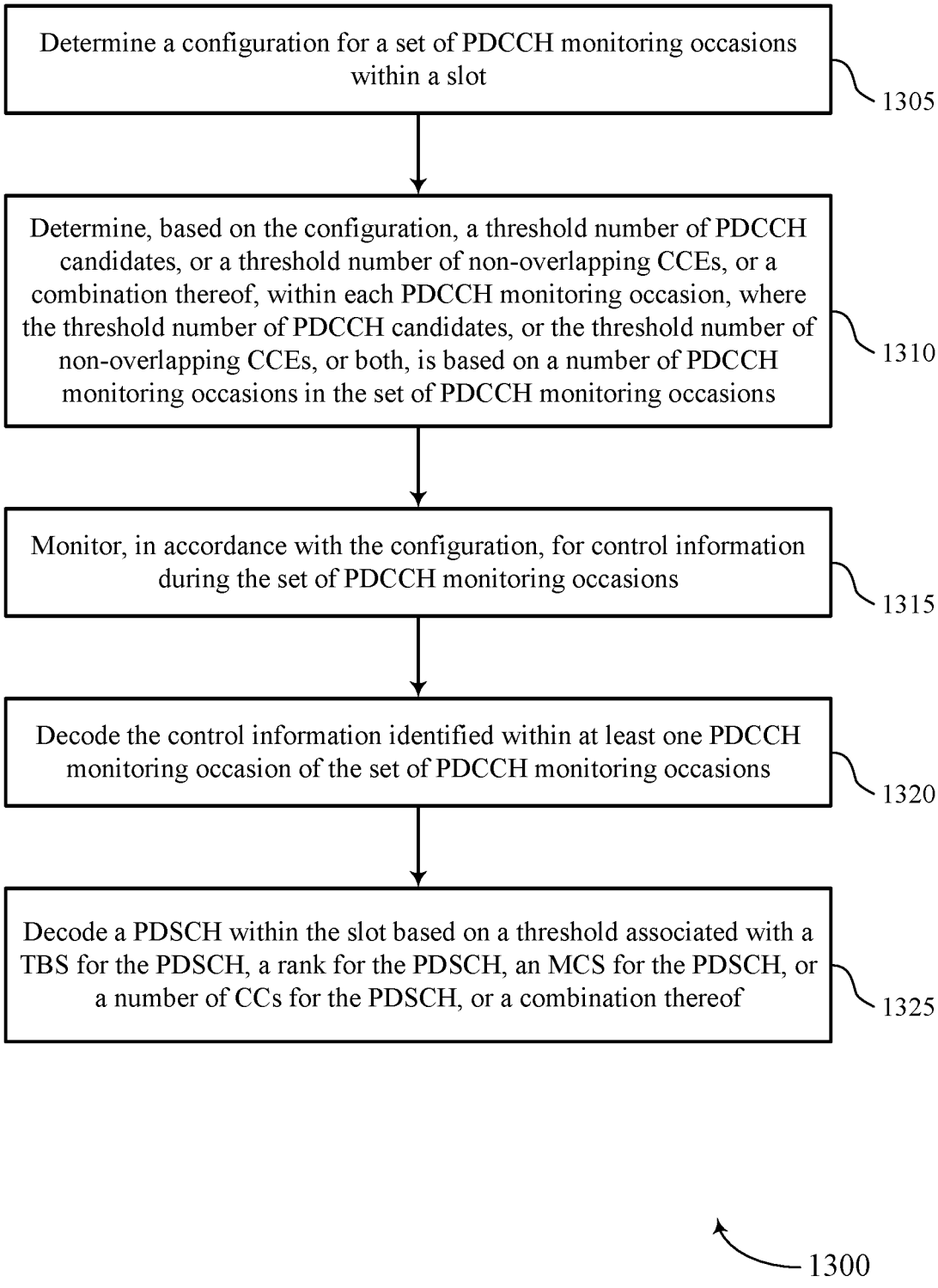

Determine a configuration for a set of PDCCH monitoring occasions within a slot
1305
Determine, based on the configuration, a threshold number of PDCCH candidates, or a threshold number of non-overlapping CCEs, or a combination thereof, within each PDCCH monitoring occasion, where the threshold number of PDCCH candidates, or the threshold number of non-overlapping CCEs, or both, is based on a number of PDCCH monitoring occasions in the set of PDCCH monitoring occasions
1310
Monitor, in accordance with the configuration, for control information during the set of PDCCH monitoring occasions
1315
Decode the control information identified within at least one PDCCH monitoring occasion of the set of PDCCH monitoring occasions
1320
Decode a PDSCH within the slot based on a threshold associated with a TBS for the PDSCH, a rank for the PDSCH, an MCS for the PDSCH, or a number of CCs for the PDSCH, or a combination thereof
1325
1300

FIG. 13

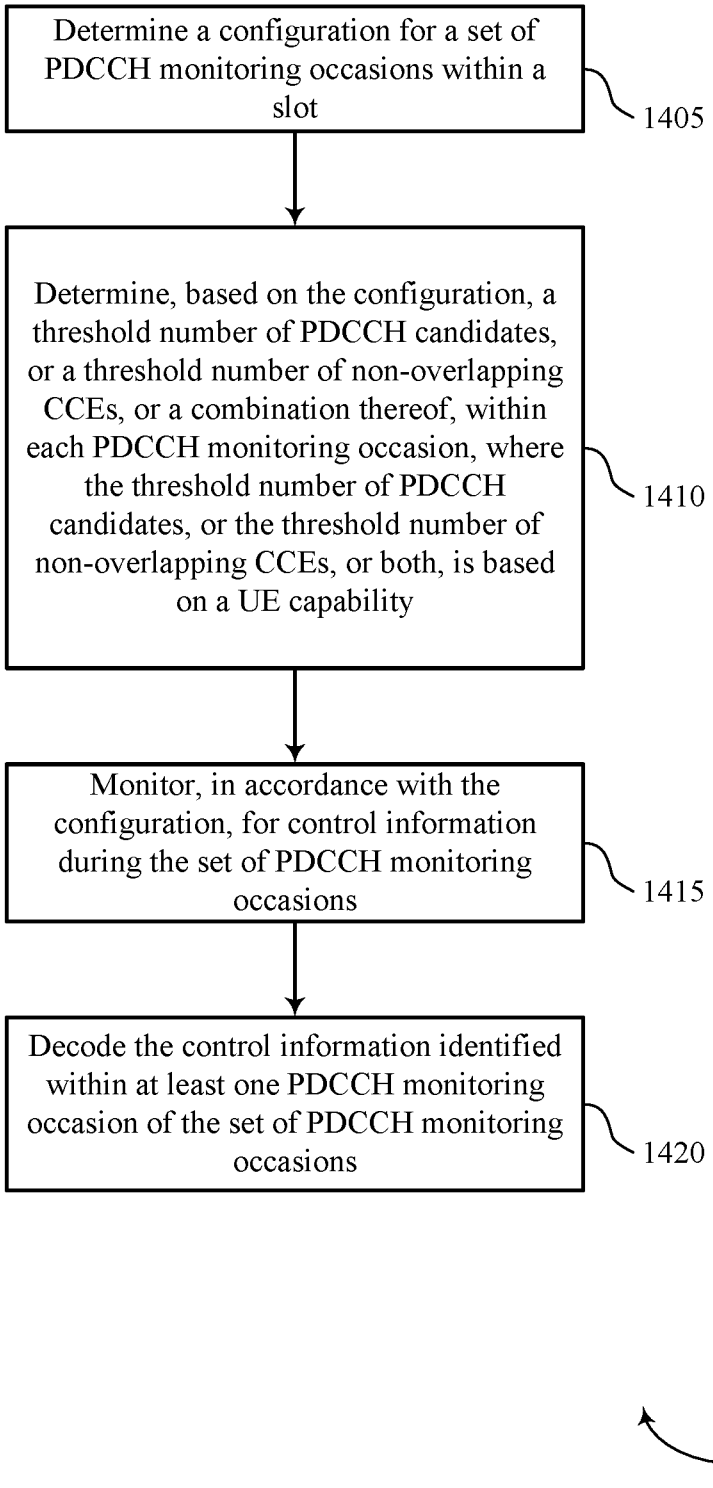

Determine a configuration for a set of PDCCH monitoring occasions within a slot
1405
Determine, based on the configuration, a threshold number of PDCCH candidates, or a threshold number of non-overlapping CCEs, or a combination thereof, within each PDCCH monitoring occasion, where the threshold number of PDCCH candidates, or the threshold number of non-overlapping CCEs, or both, is based on a UE capability
1410
Monitor, in accordance with the configuration, for control information during the set of PDCCH monitoring occasions
1415
Decode the control information identified within at least one PDCCH monitoring occasion of the set of PDCCH monitoring occasions
1420
1400

FIG. 14

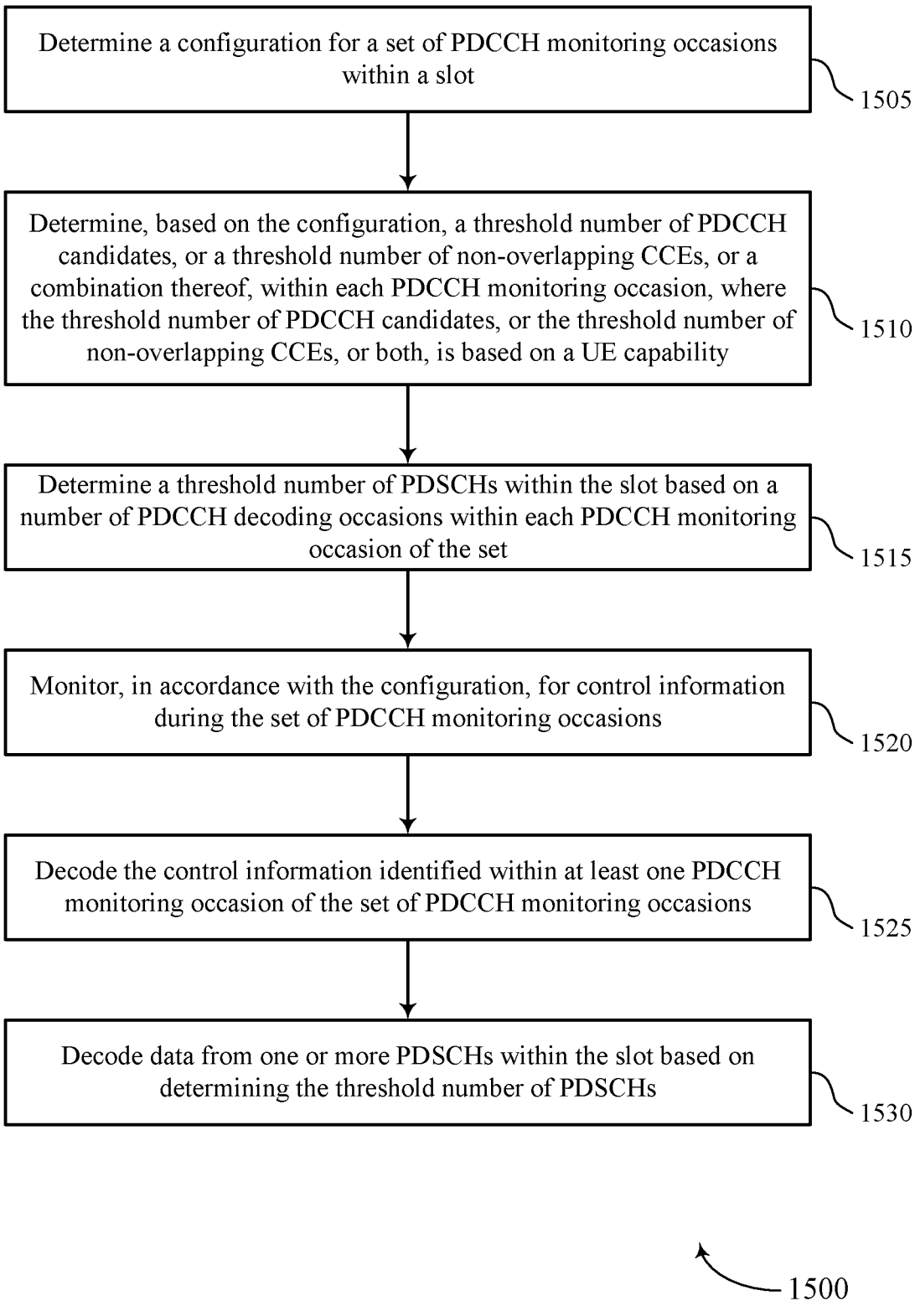

Determine a configuration for a set of PDCCH monitoring occasions within a slot
1505
Determine, based on the configuration, a threshold number of PDCCH candidates, or a threshold number of non-overlapping CCEs, or a combination thereof, within each PDCCH monitoring occasion, where the threshold number of PDCCH candidates, or the threshold number of non-overlapping CCEs, or both, is based on a UE capability
1510
Determine a threshold number of PDSCHs within the slot based on a number of PDCCH decoding occasions within each PDCCH monitoring occasion of the set
1515
Monitor, in accordance with the configuration, for control information during the set of PDCCH monitoring occasions
1520
Decode the control information identified within at least one PDCCH monitoring occasion of the set of PDCCH monitoring occasions
1525
Decode data from one or more PDSCHs within the slot based on determining the threshold number of PDSCHs
1530
1500

FIG. 15