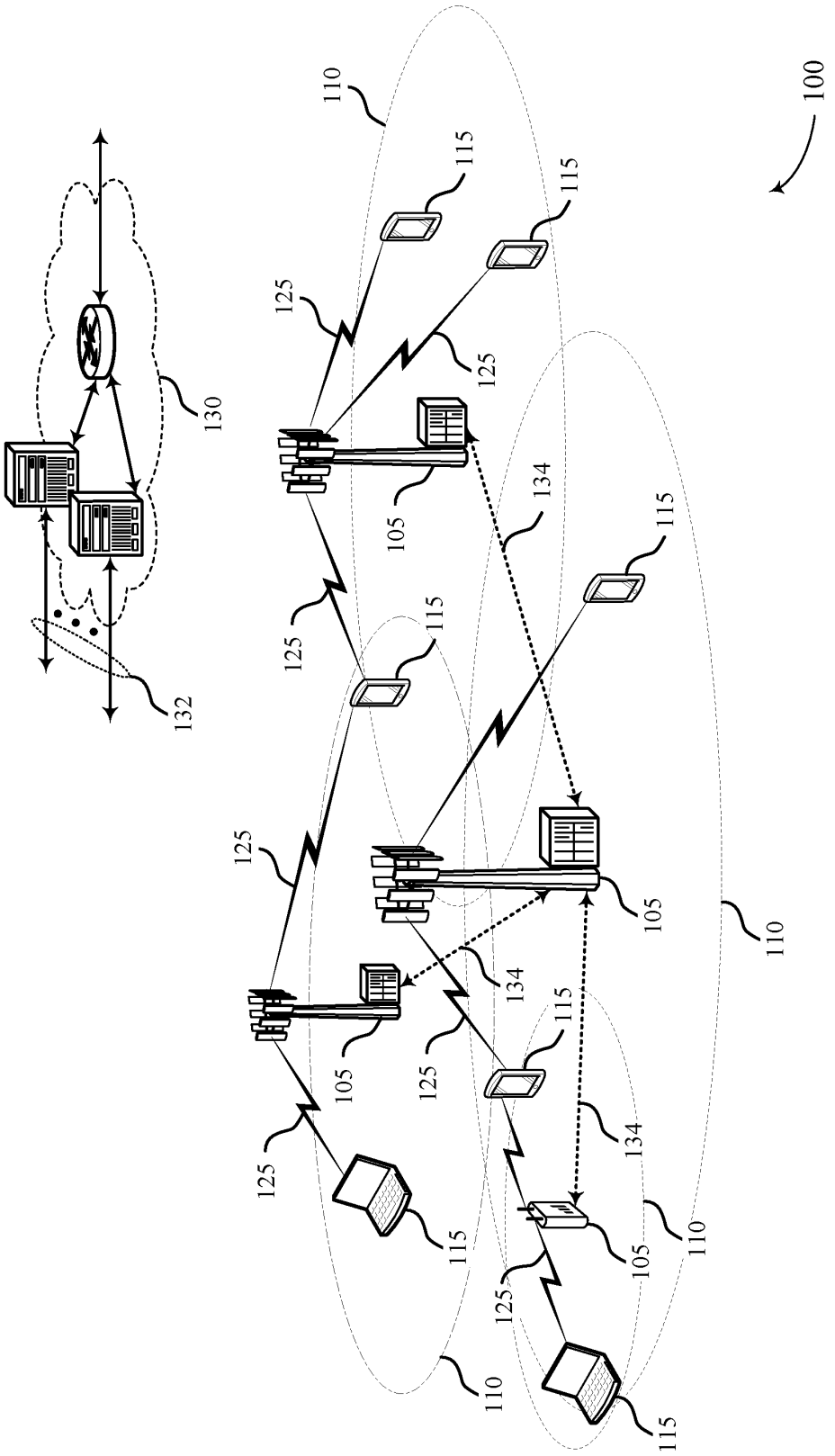

FIG. 1

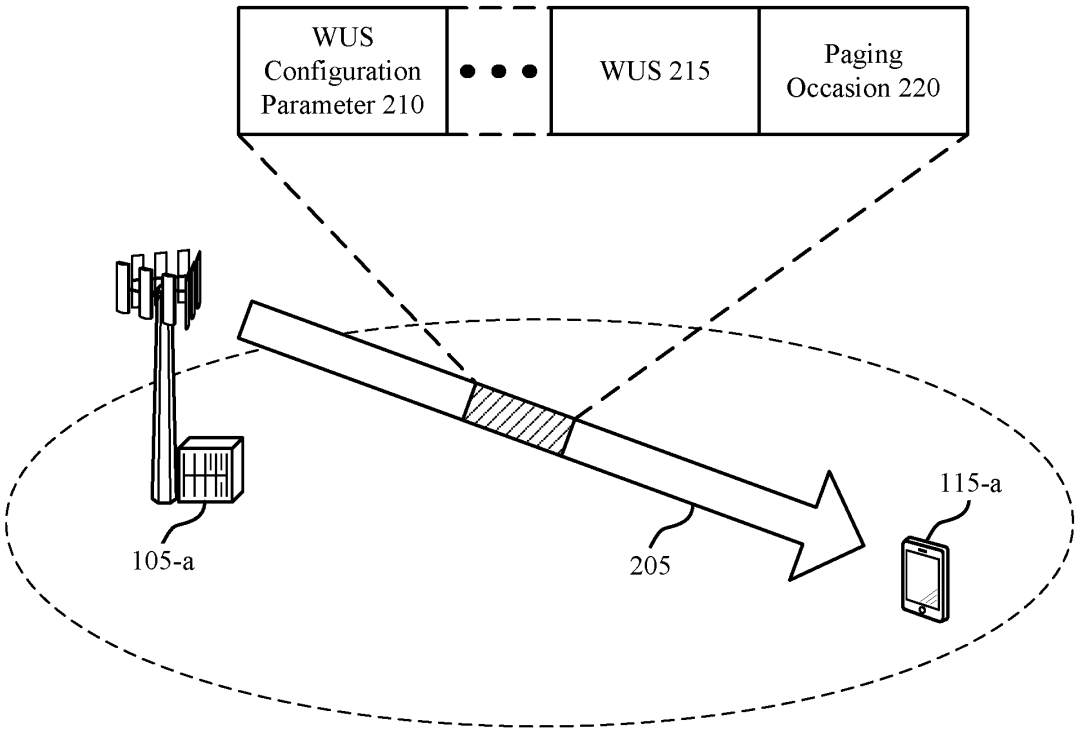
WUS Configuration Parameter 210
WUS 215
Paging Occasion 220
105-a
205
115-a
200

FIG. 2

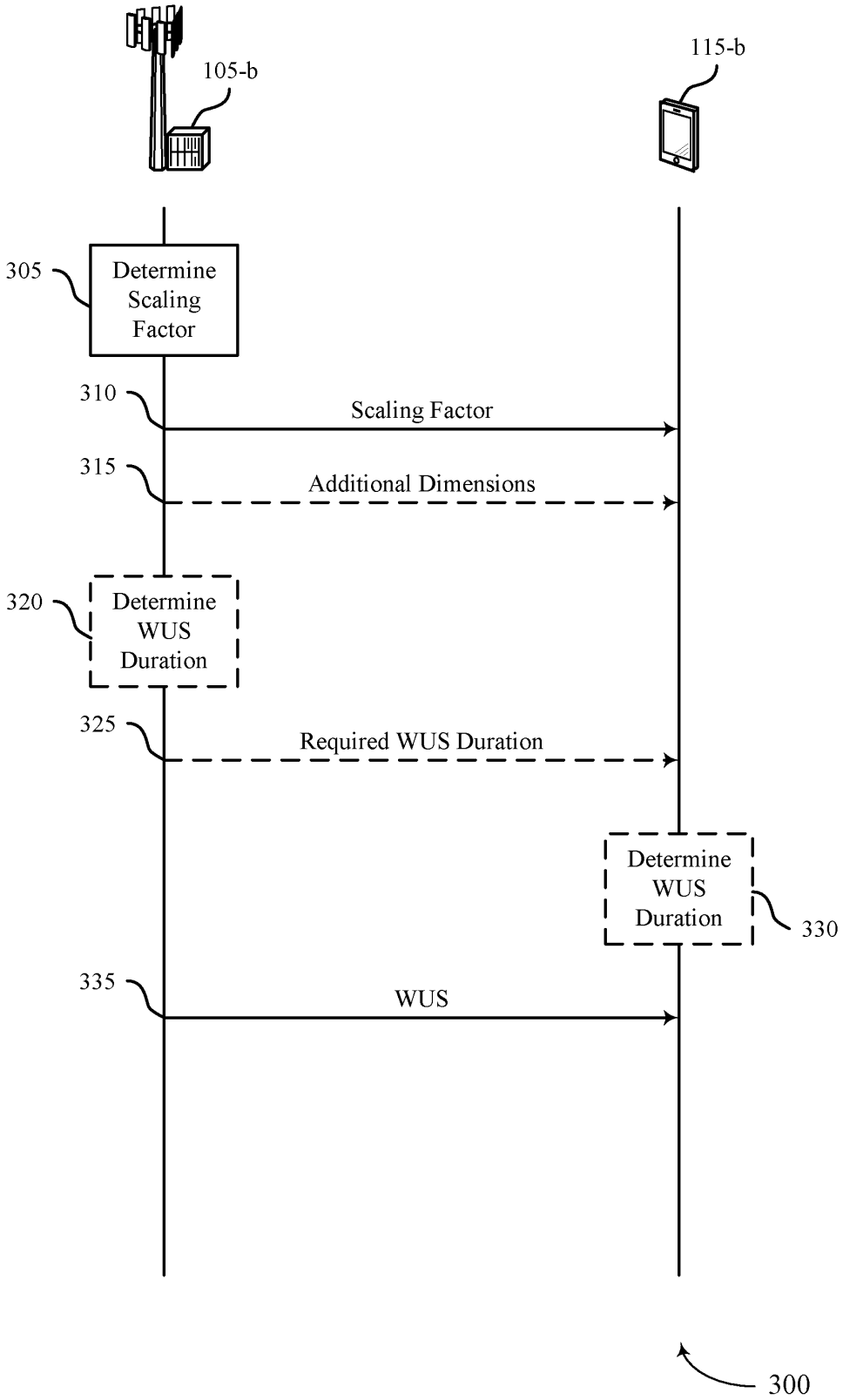
105-b
115-b
305
Determine Scaling Factor
310
Scaling Factor
315
Additional Dimensions
320
Determine WUS Duration
325
Required WUS Duration
Determine WUS Duration
330
335
WUS
300

FIG. 3

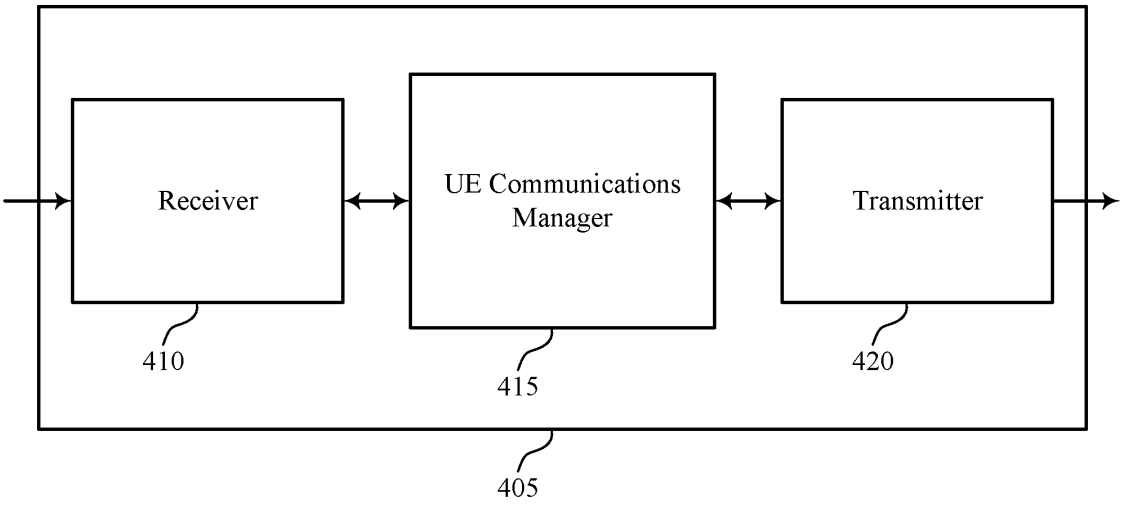
Receiver
UE Communications Manager
Transmitter
410
415
420
405
400

FIG. 4

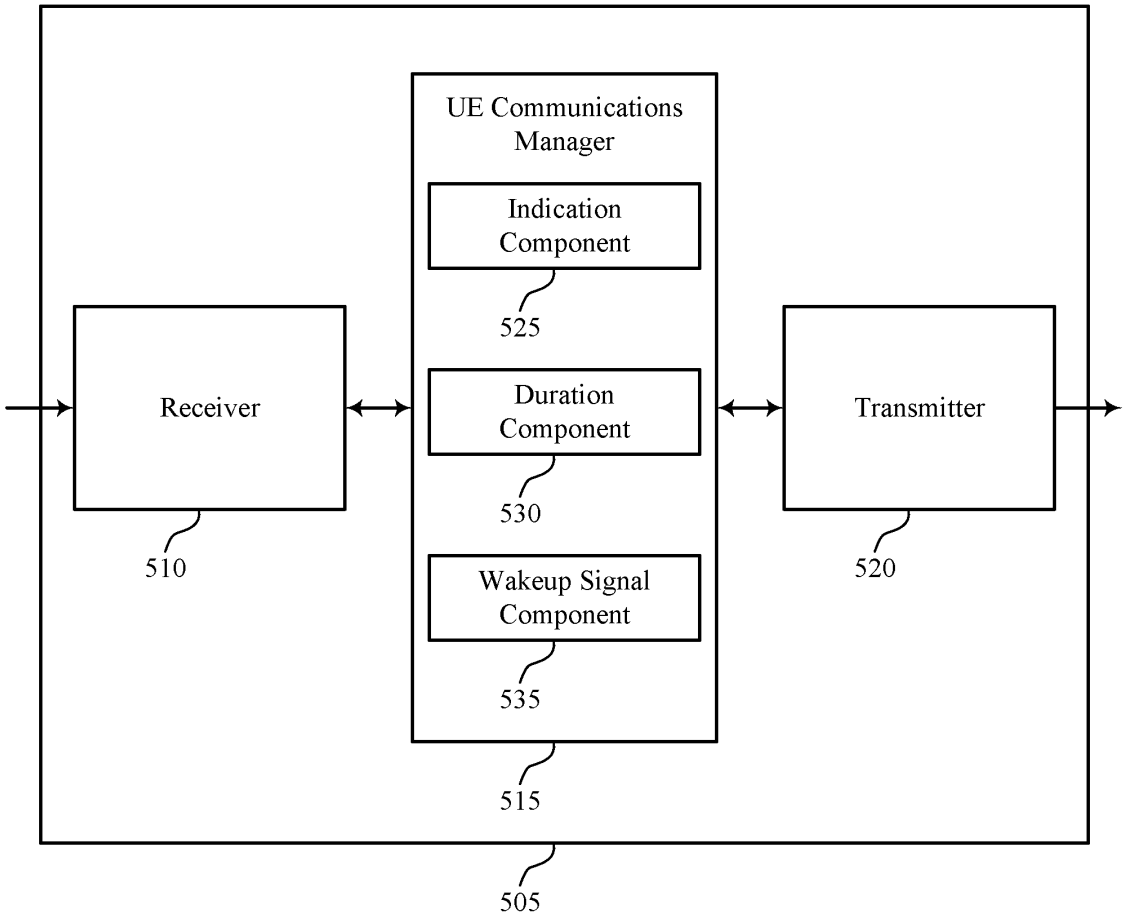
UE Communications Manager
Indication Component
525
Receiver
Duration Component
530
Transmitter
510
520
Wakeup Signal Component
535
515
505
500

FIG. 5

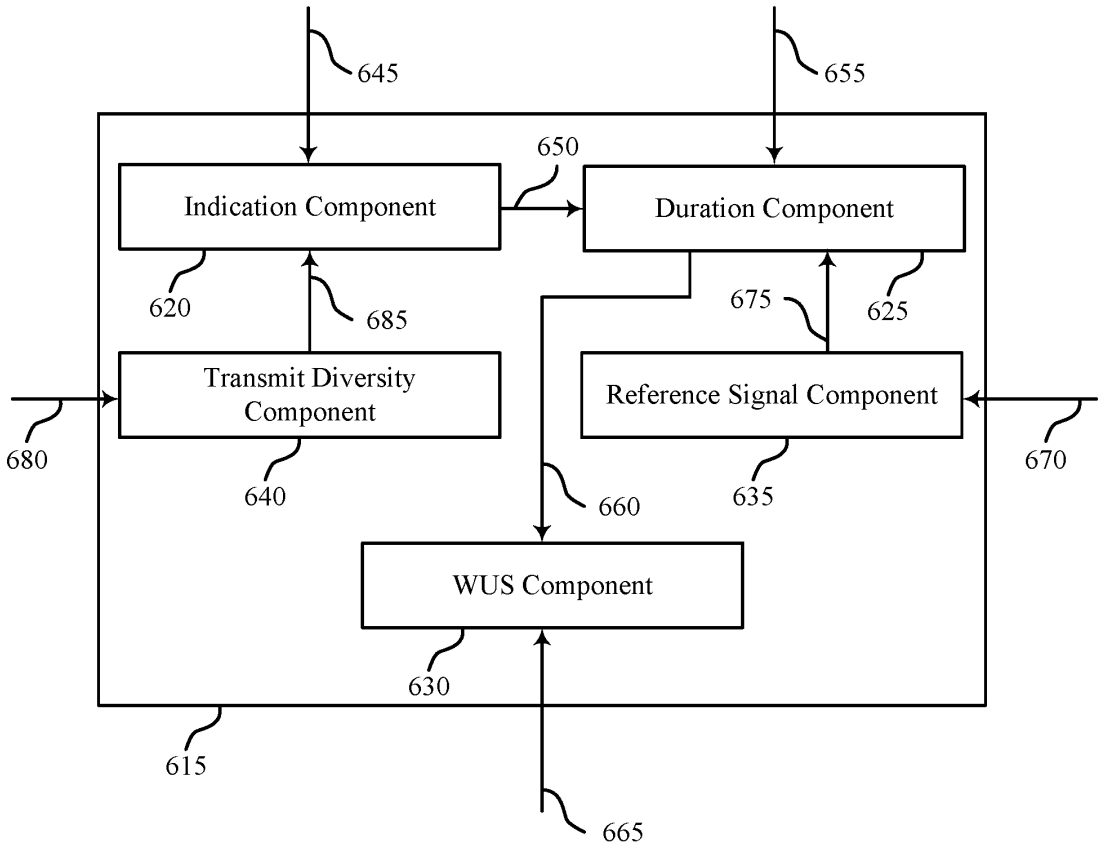
645
655
650
Indication Component
Duration Component
620
685
675
625
Transmit Diversity Component
Reference Signal Component
680
640
635
670
660
WUS Component
630
615
665
600

FIG. 6

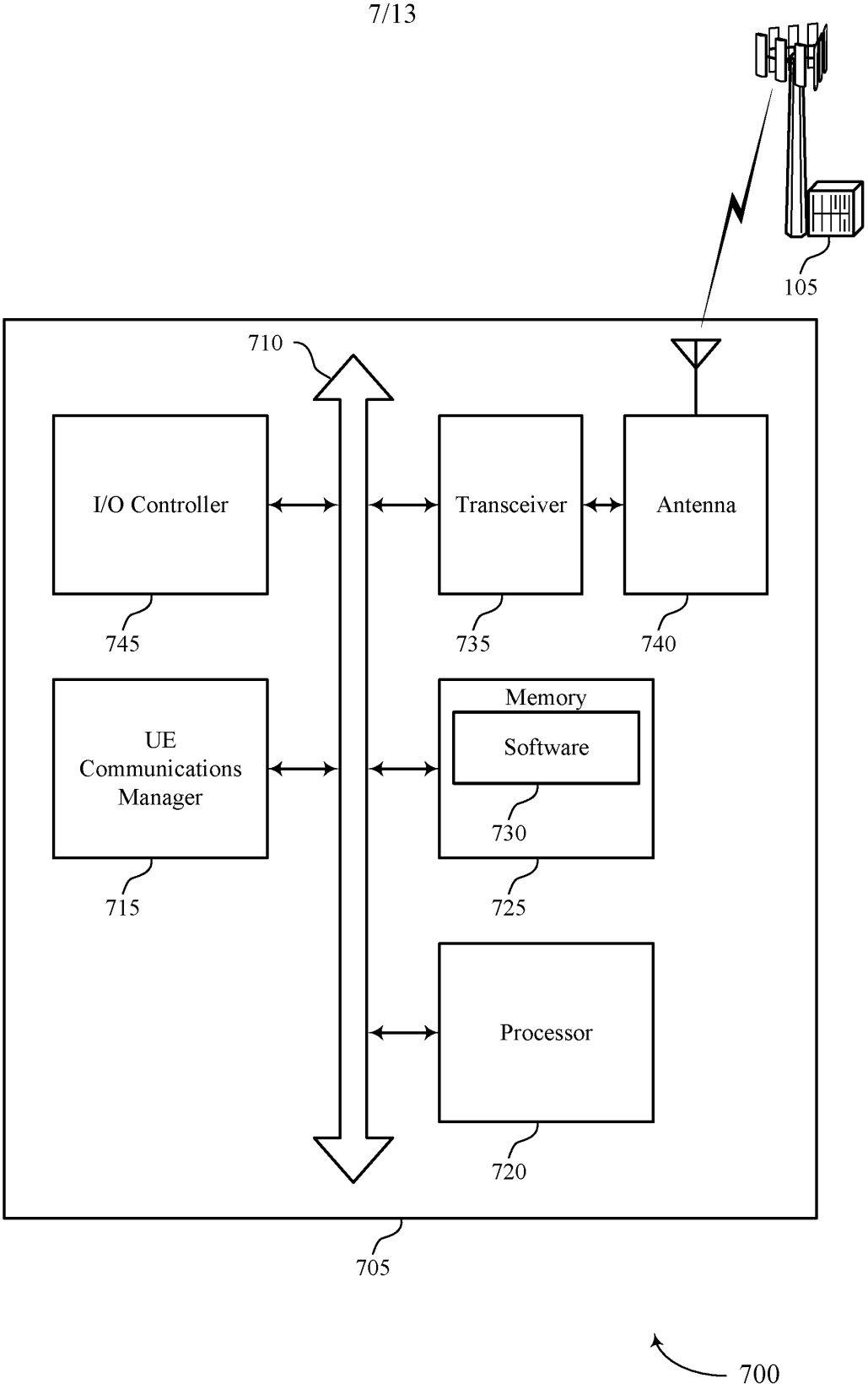
105
710
I/O Controller
Transceiver
Antenna
745
735
740
UE
Communications
Manager
Memory
Software
730
715
725
Processor
720
705
700

FIG. 7

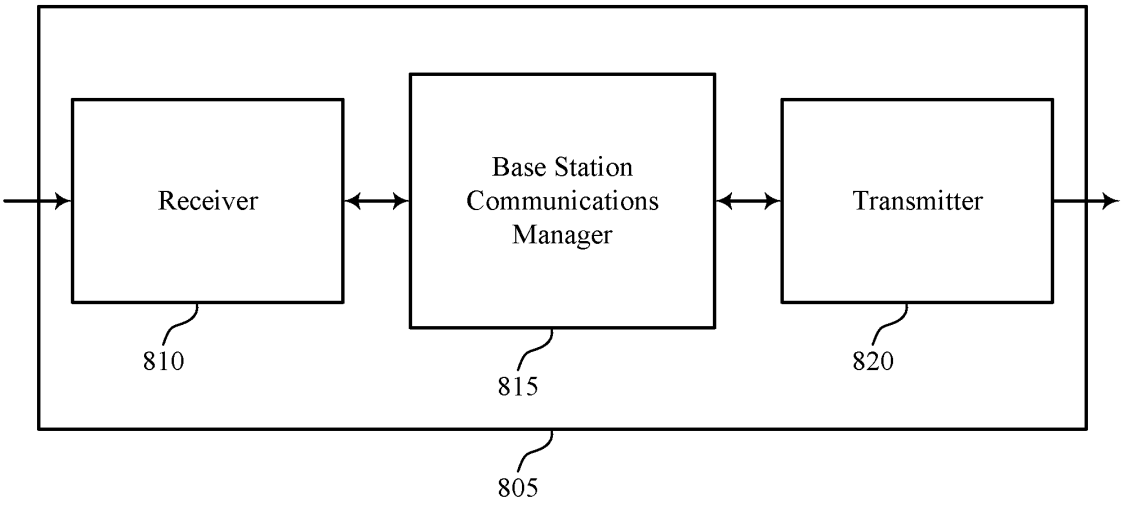
Receiver
Base Station Communications Manager
Transmitter
810
815
820
805
800

FIG. 8

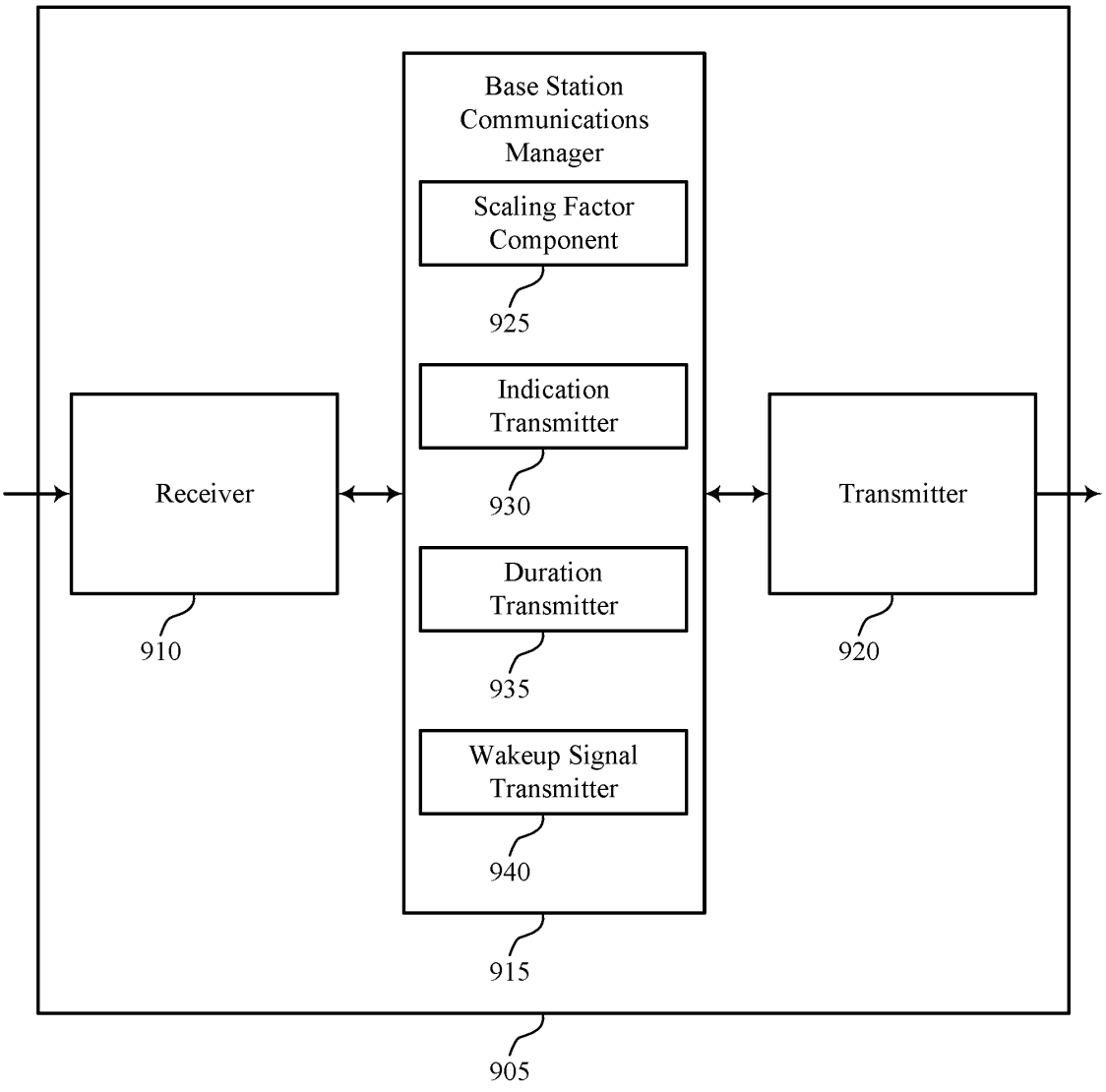
Base Station Communications Manager
Scaling Factor Component
925
Indication Transmitter
930
Duration Transmitter
935
Wakeup Signal Transmitter
940
915
Receiver
910
Transmitter
920
905
900

FIG. 9

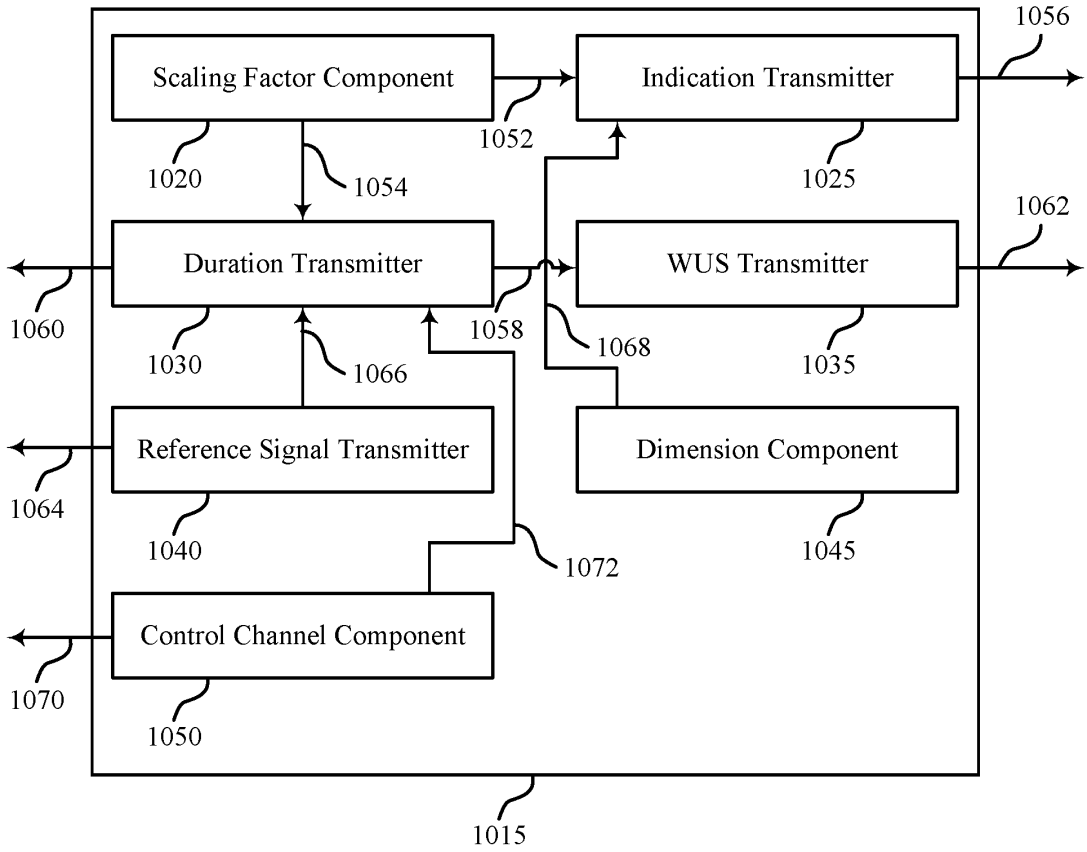
Scaling Factor Component
Indication Transmitter
Duration Transmitter
WUS Transmitter
Reference Signal Transmitter
Dimension Component
Control Channel Component
1000
1015
1020
1025
1030
1035
1040
1045
1050
1052
1054
1056
1058
1060
1062
1064
1066
1068
1070
1072

FIG. 10

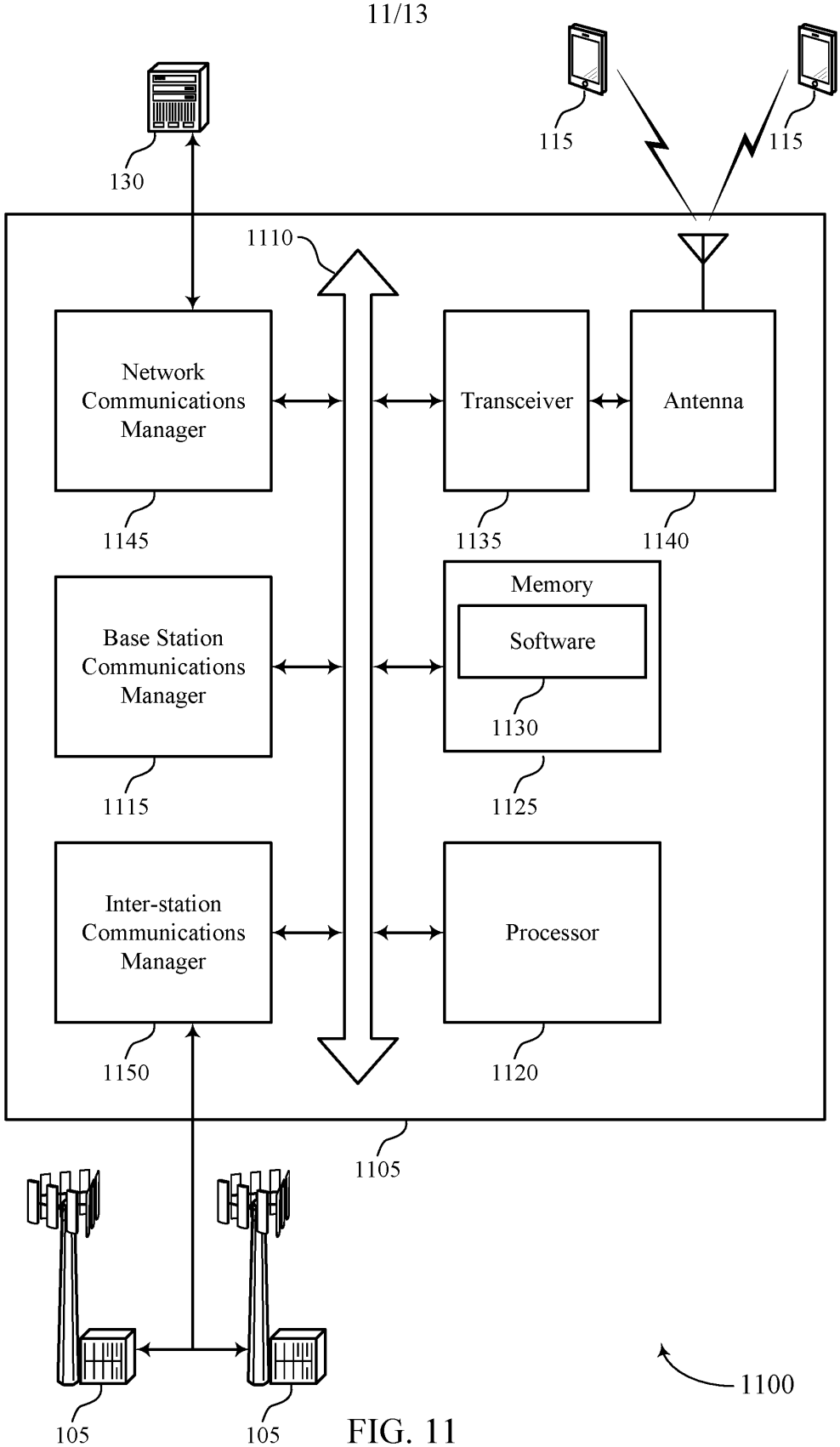
130
115
115
1110
Network Communications Manager
Transceiver
Antenna
1145
1135
1140
Memory
Software
1130
Base Station Communications Manager
1115
1125
Inter-station Communications Manager
Processor
1150
1120
1105
105
105
1100

FIG. 11

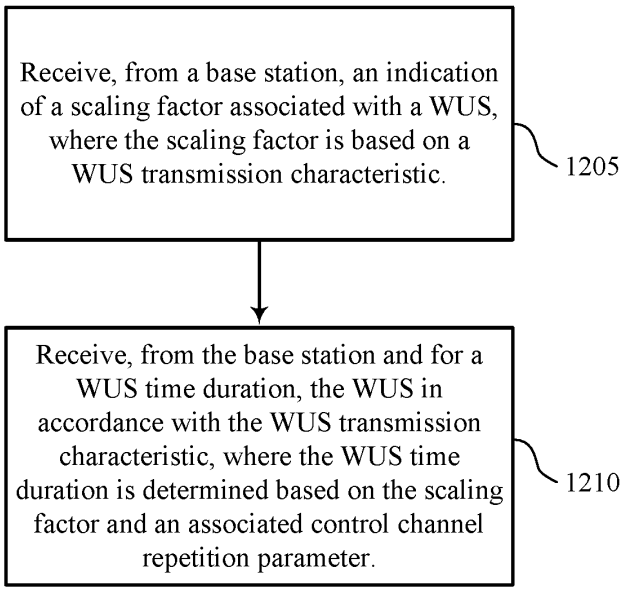
Receive, from a base station, an indication of a scaling factor associated with a WUS, where the scaling factor is based on a WUS transmission characteristic.
1205
Receive, from the base station and for a WUS time duration, the WUS in accordance with the WUS transmission characteristic, where the WUS time duration is determined based on the scaling factor and an associated control channel repetition parameter.
1210
1200

FIG. 12

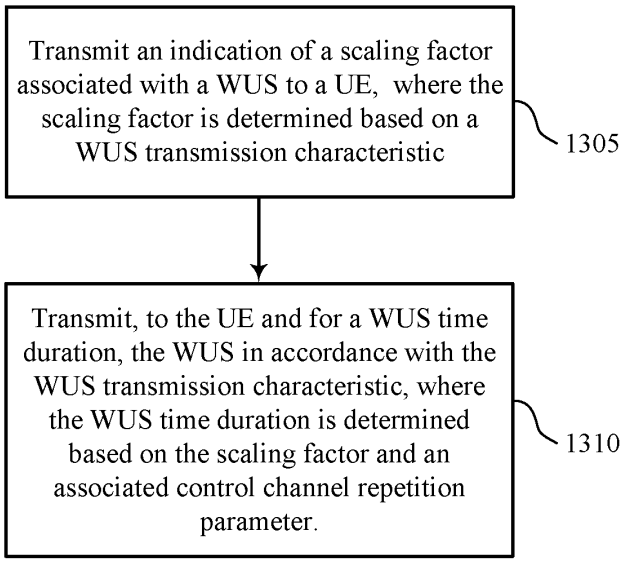
Transmit an indication of a scaling factor associated with a WUS to a UE, where the scaling factor is determined based on a WUS transmission characteristic
1305
Transmit, to the UE and for a WUS time duration, the WUS in accordance with the WUS transmission characteristic, where the WUS time duration is determined based on the scaling factor and an associated control channel repetition parameter.
1310
1300

FIG. 13