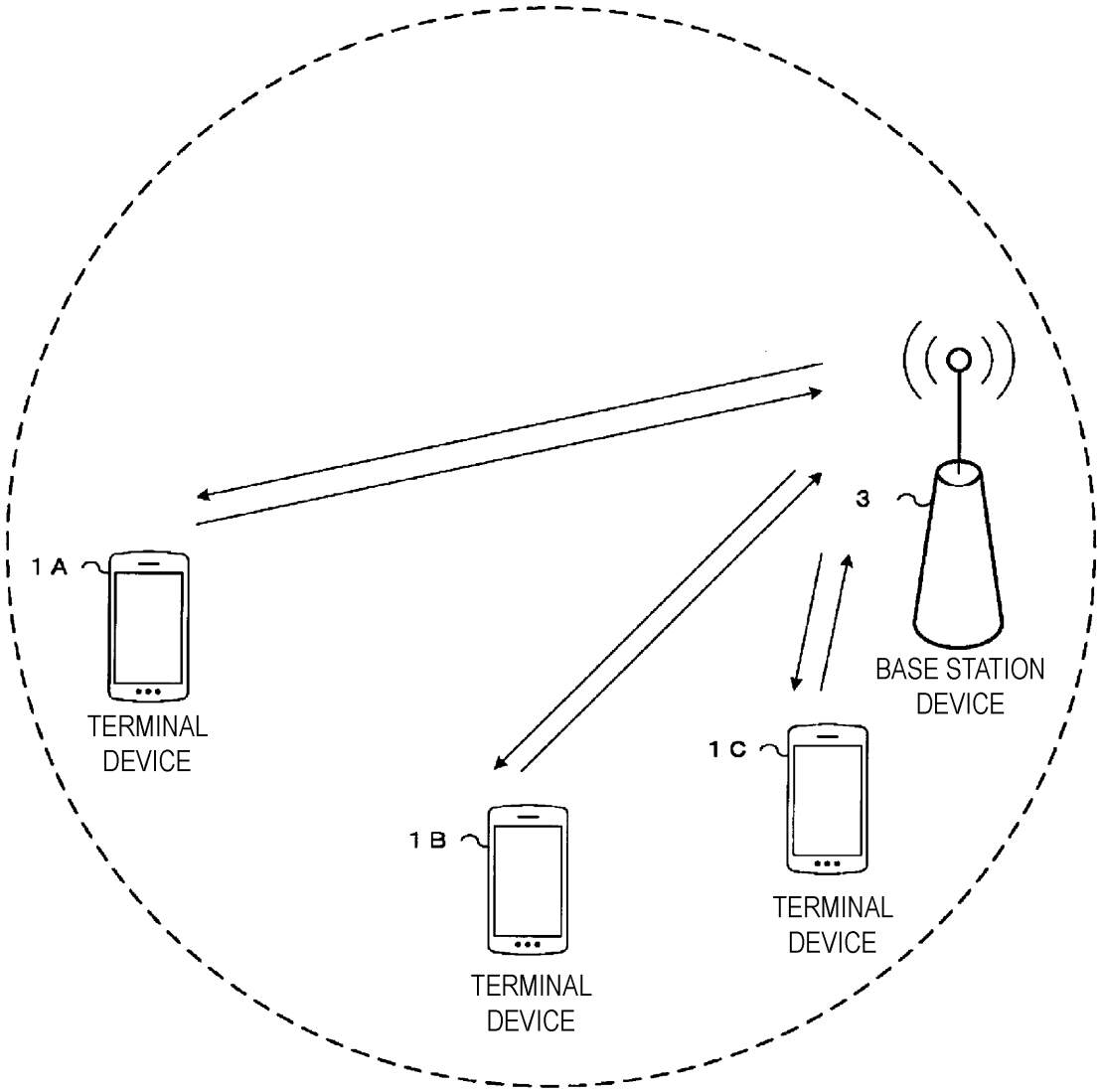

1A
TERMINAL DEVICE
3
BASE STATION DEVICE
1B
TERMINAL DEVICE
1C
TERMINAL DEVICE

FIG. 1

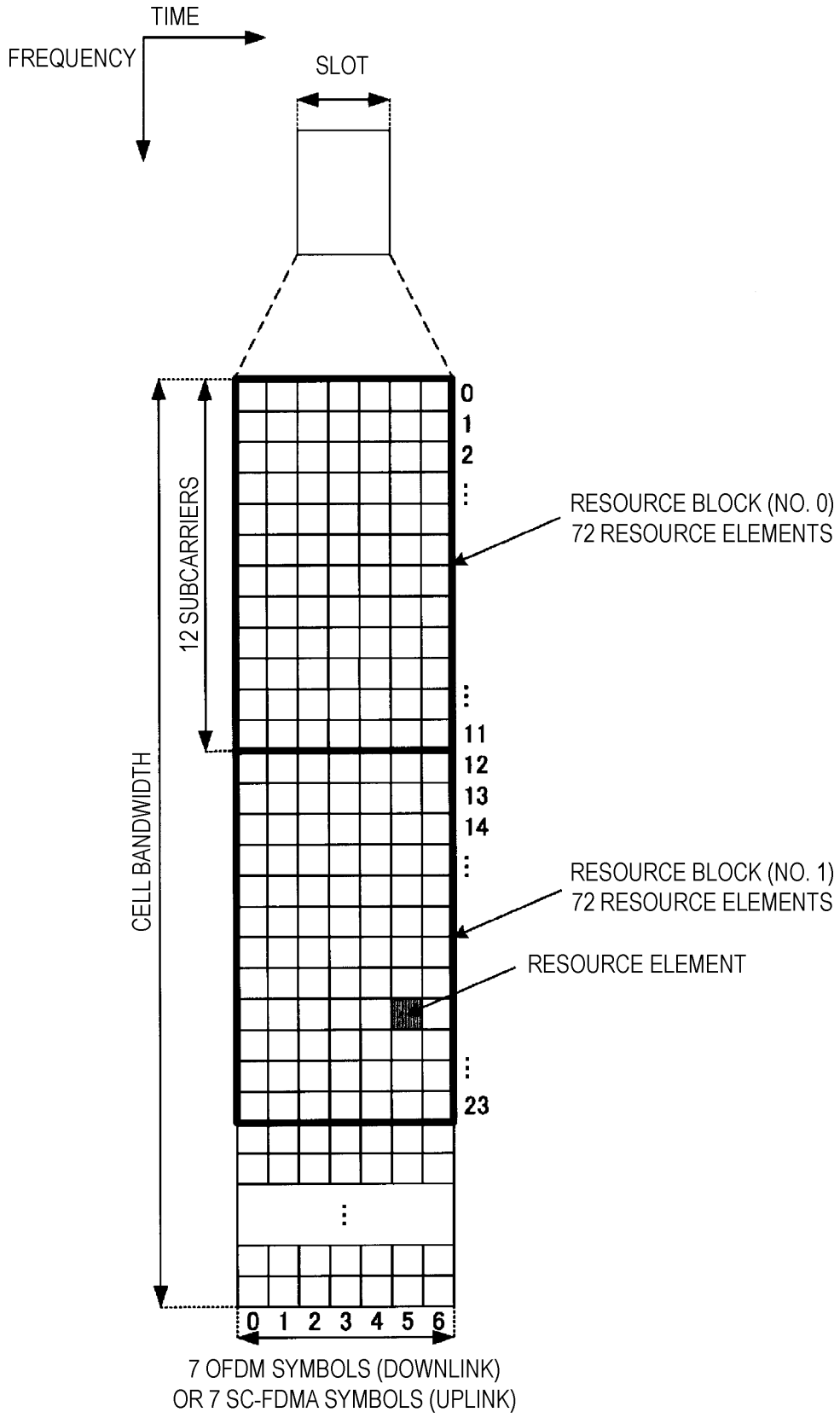

TIME
FREQUENCY
SLOT
0
1
2
11
12
13
14
23
12 SUBCARRIERS
CELL BANDWIDTH
RESOURCE BLOCK (NO. 0)
72 RESOURCE ELEMENTS
RESOURCE BLOCK (NO. 1)
72 RESOURCE ELEMENTS
RESOURCE ELEMENT
0 1 2 3 4 5 6
7 OFDM SYMBOLS (DOWNLINK)
OR 7 SC-FDMA SYMBOLS (UPLINK)

FIG. 2

FIG. 3A Example 1

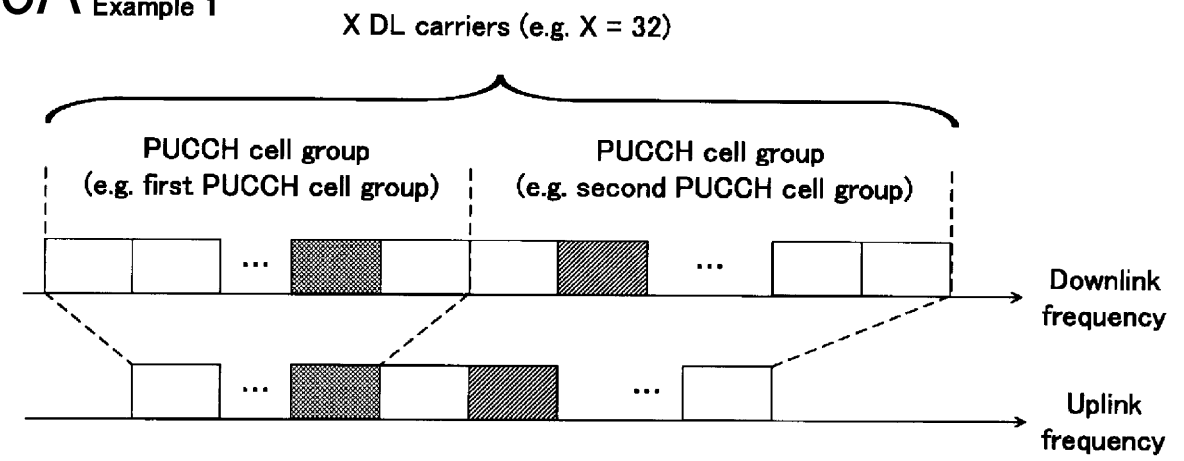



FIG. 3B Example 2

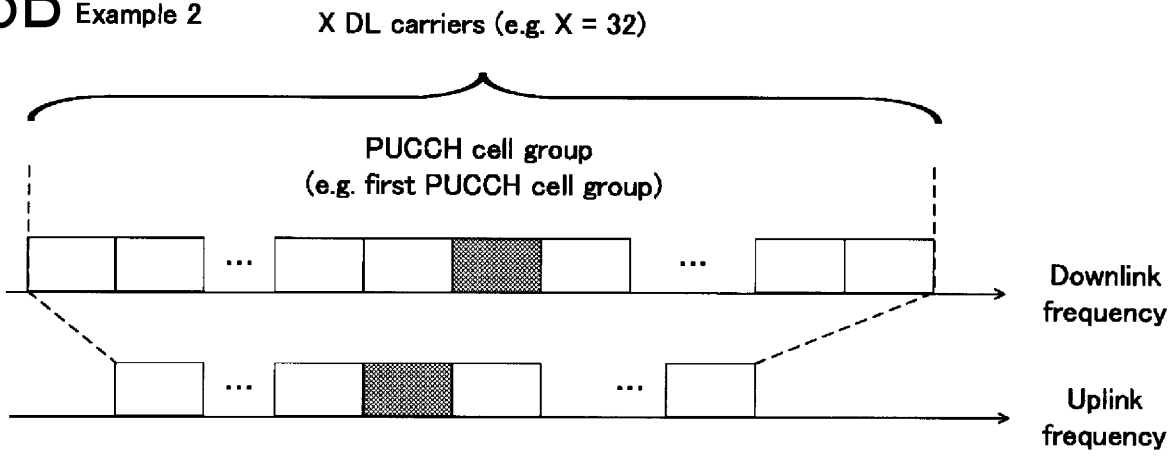
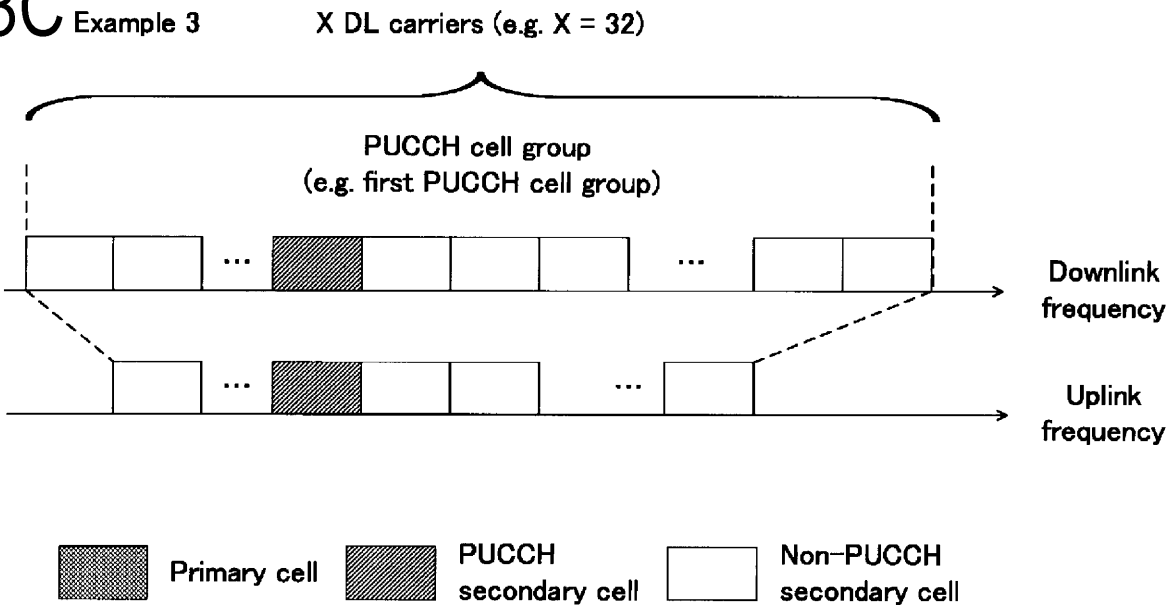



FIG. 3C Example 3



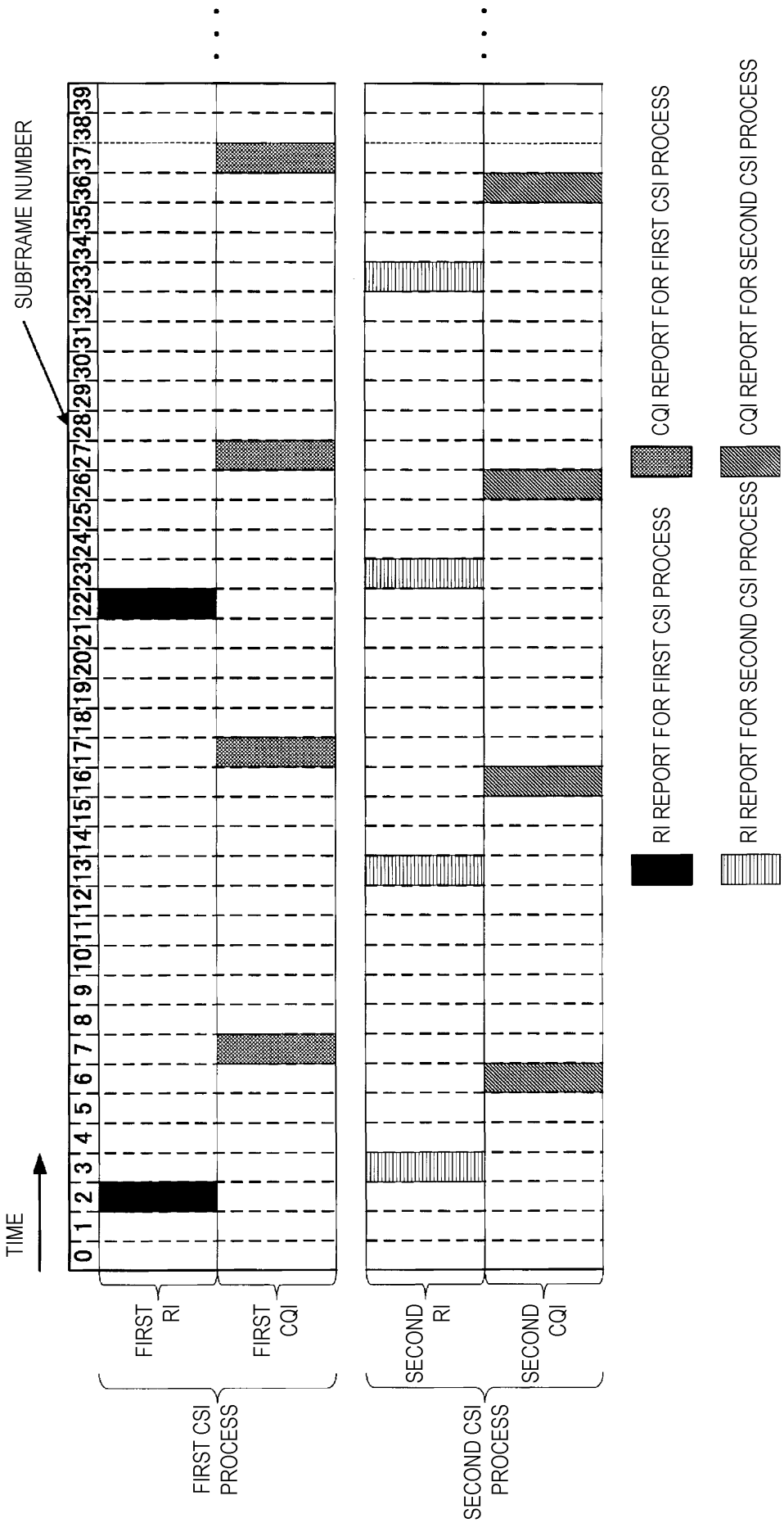

SUBFRAME NUMBER
TIME
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39
FIRST RI
FIRST CQI
FIRST CSI PROCESS
SECOND RI
SECOND CQI
SECOND CSI PROCESS
RI REPORT FOR FIRST CSI PROCESS
CQI REPORT FOR FIRST CSI PROCESS
RI REPORT FOR SECOND CSI PROCESS
CQI REPORT FOR SECOND CSI PROCESS

FIG. 4

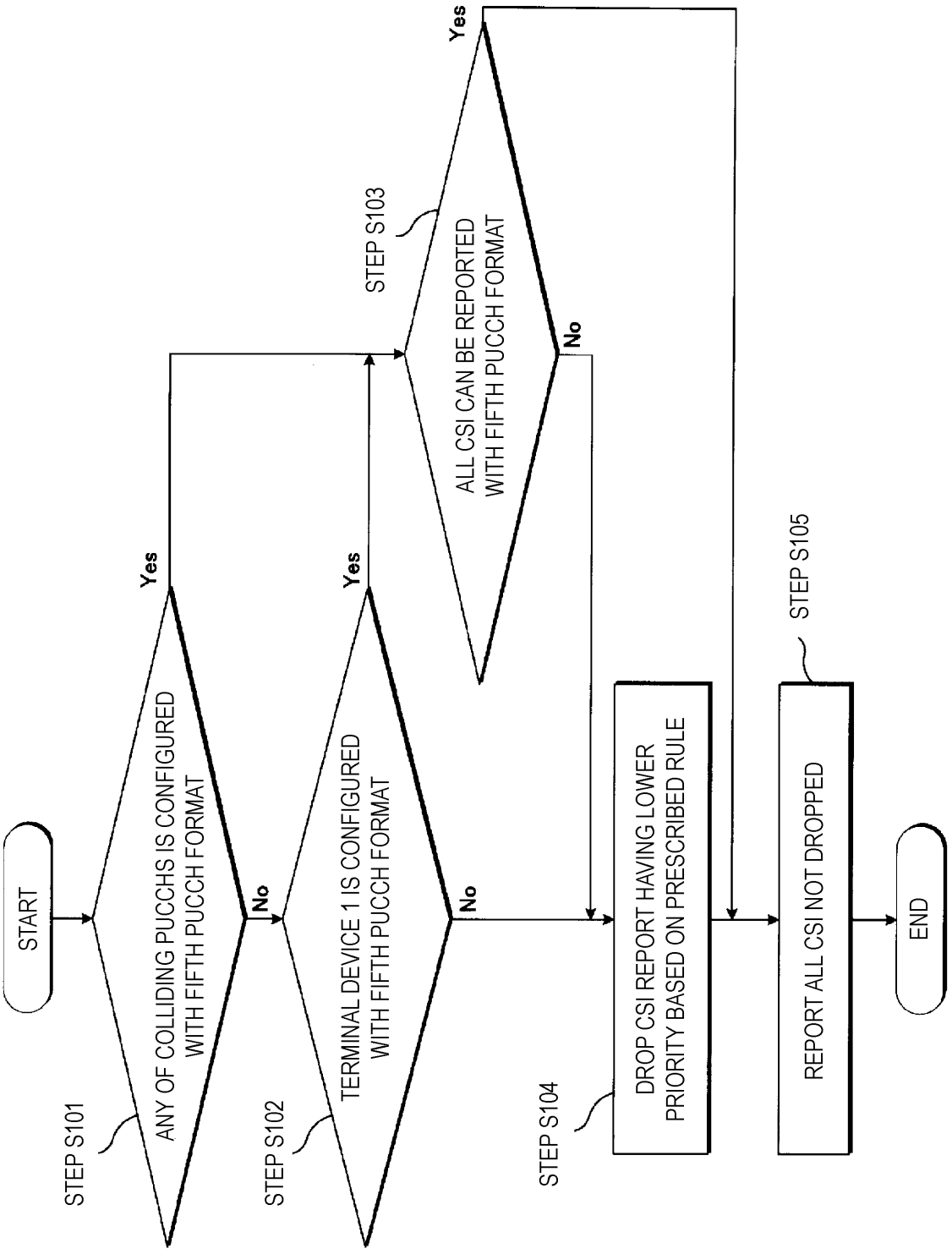

START
STEP S101
ANY OF COLLIDING PUCCHS IS CONFIGURED WITH FIFTH PUCCH FORMAT
Yes
No
STEP S102
TERMINAL DEVICE 1 IS CONFIGURED WITH FIFTH PUCCH FORMAT
Yes
No
STEP S103
ALL CSI CAN BE REPORTED WITH FIFTH PUCCH FORMAT
Yes
No
STEP S104
DROP CSI REPORT HAVING LOWER PRIORITY BASED ON PRESCRIBED RULE
STEP S105
REPORT ALL CSI NOT DROPPED
END

FIG. 5

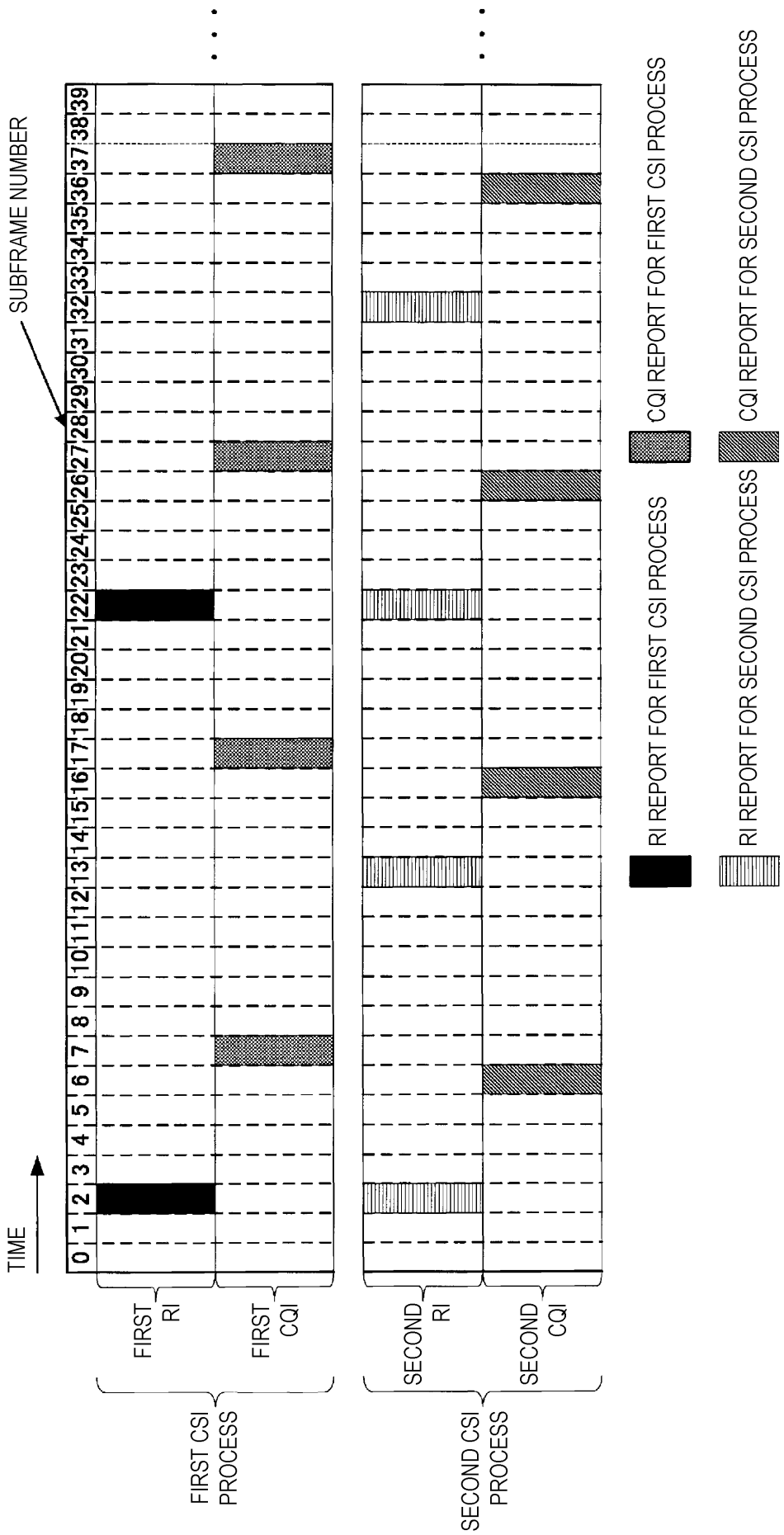

SUBFRAME NUMBER
TIME
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39
FIRST RI
FIRST CQI
FIRST CSI PROCESS
SECOND RI
SECOND CQI
SECOND CSI PROCESS
RI REPORT FOR FIRST CSI PROCESS
CQI REPORT FOR FIRST CSI PROCESS
RI REPORT FOR SECOND CSI PROCESS
CQI REPORT FOR SECOND CSI PROCESS

FIG. 6

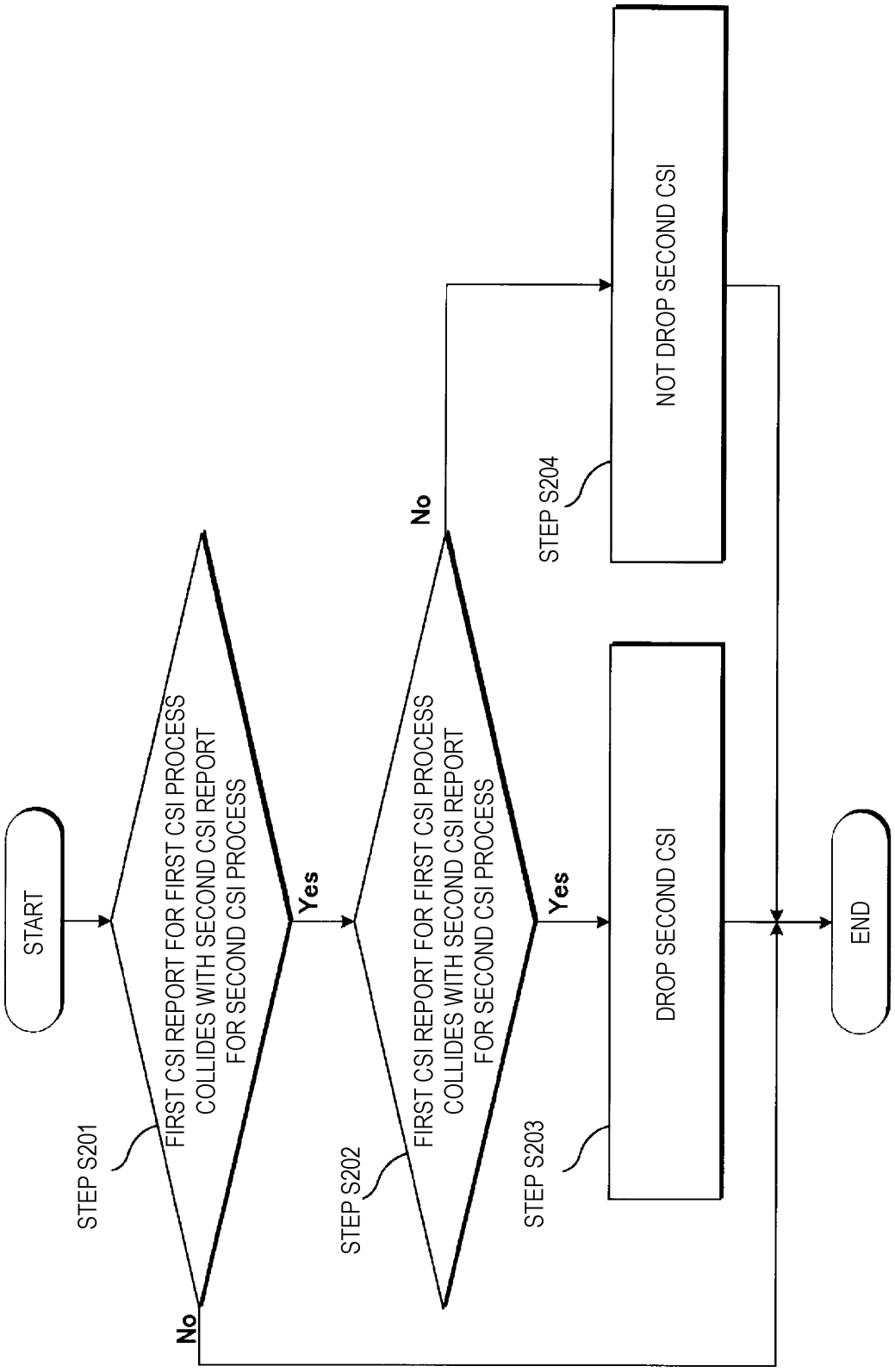

START
FIRST CSI REPORT FOR FIRST CSI PROCESS COLLIDES WITH SECOND CSI REPORT FOR SECOND CSI PROCESS
STEP S201
Yes
No
FIRST CSI REPORT FOR FIRST CSI PROCESS COLLIDES WITH SECOND CSI REPORT FOR SECOND CSI PROCESS
STEP S202
Yes
No
DROP SECOND CSI
STEP S203
NOT DROP SECOND CSI
STEP S204
END

FIG. 7

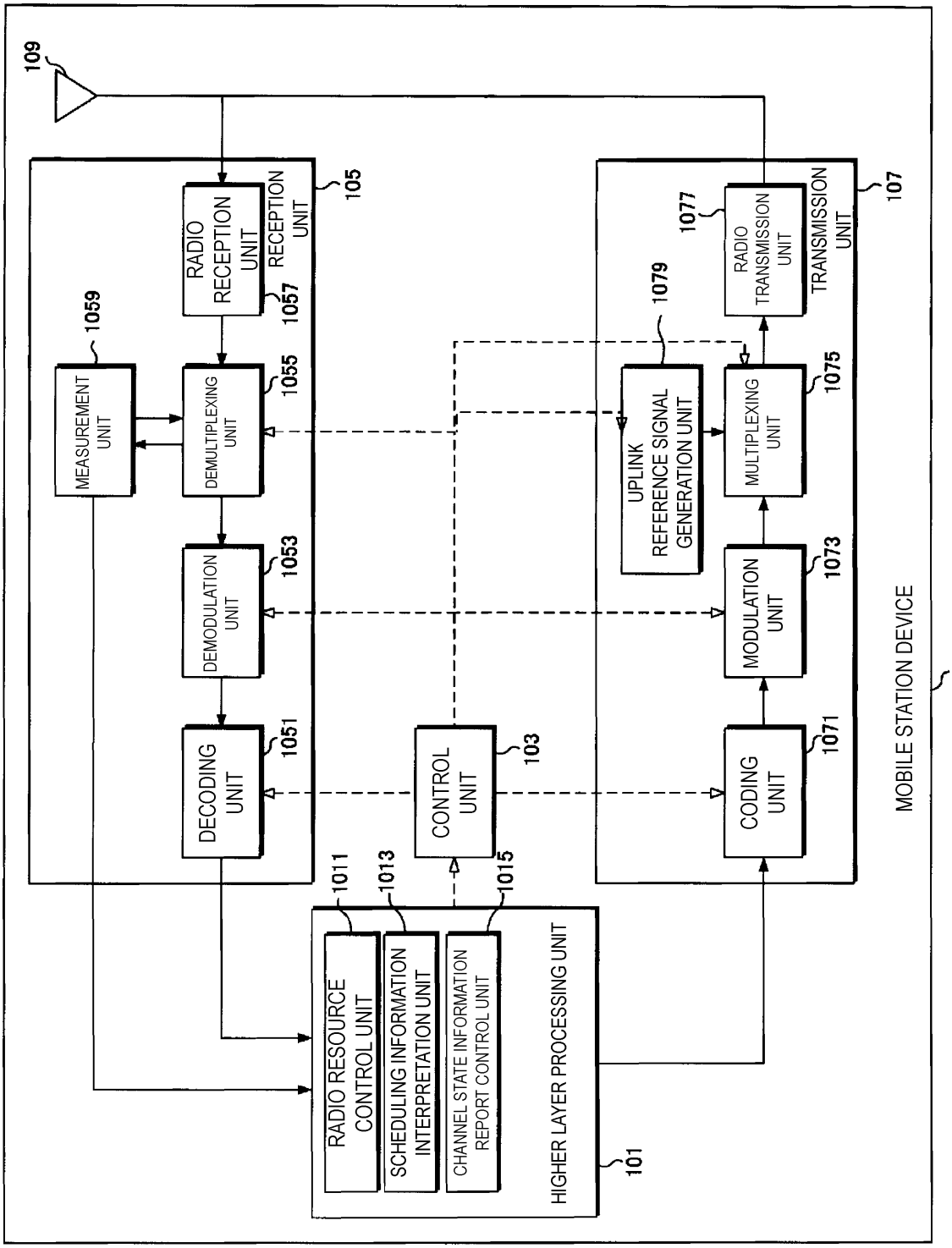

109
RECEPTION UNIT
105
RADIO RECEPTION UNIT
1057
MEASUREMENT UNIT
1059
DEMULTIPLEXING UNIT
1055
DEMODULATION UNIT
1053
DECODING UNIT
1051
TRANSMISSION UNIT
107
RADIO TRANSMISSION UNIT
1077
UPLINK REFERENCE SIGNAL GENERATION UNIT
1079
MULTIPLEXING UNIT
1075
MODULATION UNIT
1073
CODING UNIT
1071
CONTROL UNIT
103
HIGHER LAYER PROCESSING UNIT
101
RADIO RESOURCE CONTROL UNIT
1011
SCHEDULING INFORMATION INTERPRETATION UNIT
1013
CHANNEL STATE INFORMATION REPORT CONTROL UNIT
1015
MOBILE STATION DEVICE
1

FIG. 8

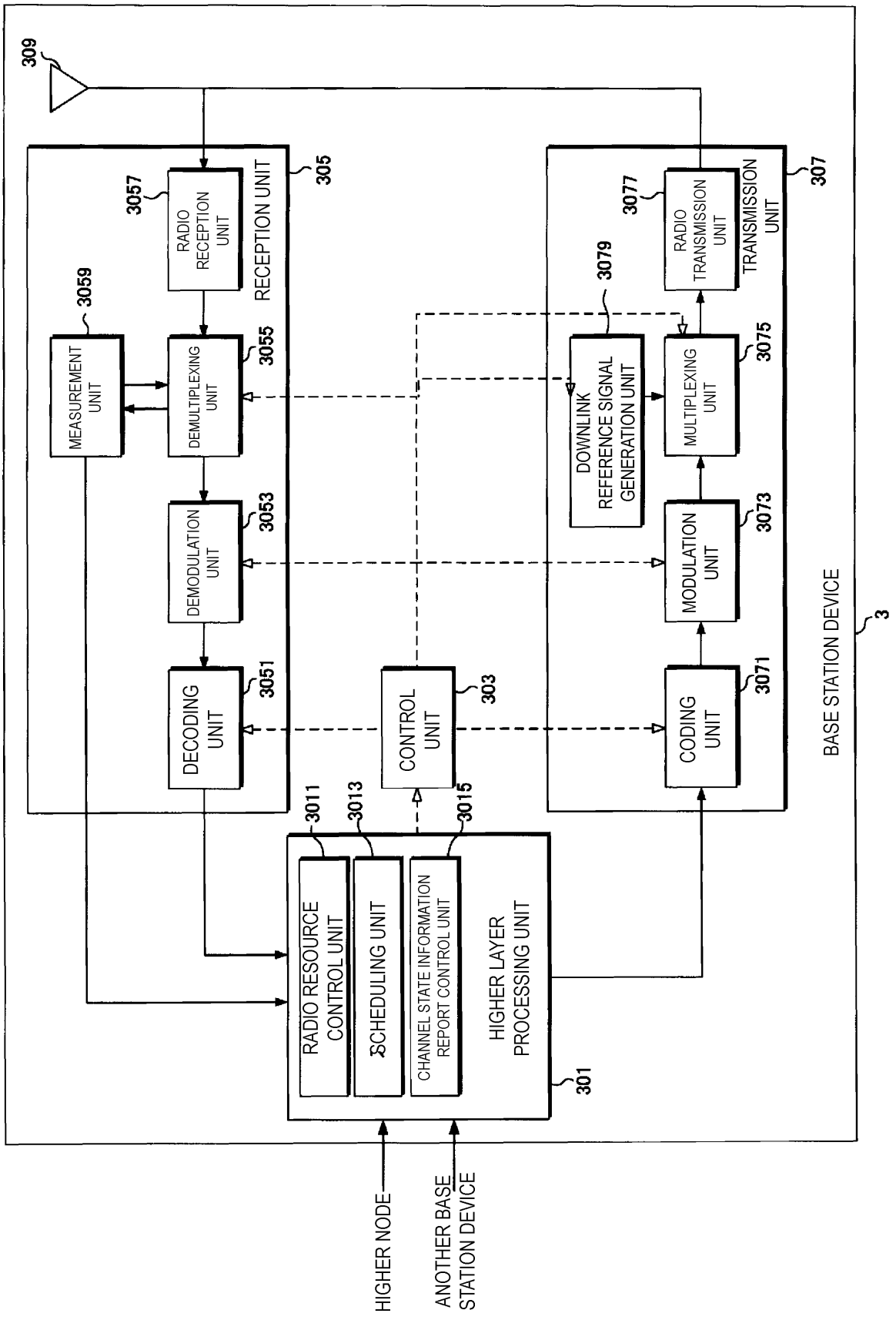

309
RECEPTION UNIT
305
RADIO RECEPTION UNIT
3057
MEASUREMENT UNIT
3059
DEMULTIPLEXING UNIT
3055
DEMODULATION UNIT
3053
DECODING UNIT
3051
TRANSMISSION UNIT
307
RADIO TRANSMISSION UNIT
3077
DOWNLINK REFERENCE SIGNAL GENERATION UNIT
3079
MULTIPLEXING UNIT
3075
MODULATION UNIT
3073
CODING UNIT
3071
CONTROL UNIT
303
RADIO RESOURCE CONTROL UNIT
3011
SCHEDULING UNIT
3013
CHANNEL STATE INFORMATION REPORT CONTROL UNIT
3015
HIGHER LAYER PROCESSING UNIT
301
BASE STATION DEVICE
3
HIGHER NODE
ANOTHER BASE STATION DEVICE

FIG. 9