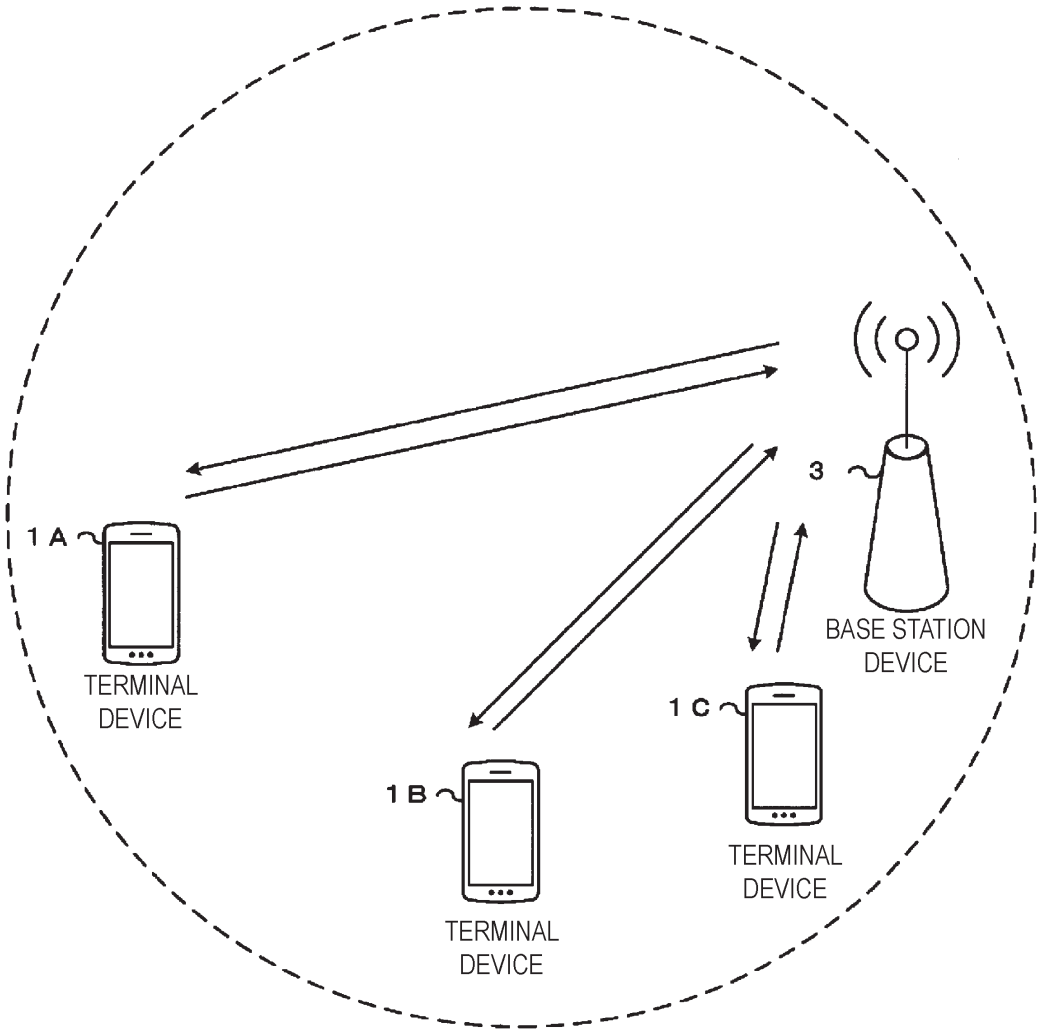

1 A
TERMINAL DEVICE
3
BASE STATION DEVICE
1 B
TERMINAL DEVICE
1 C
TERMINAL DEVICE

FIG. 1

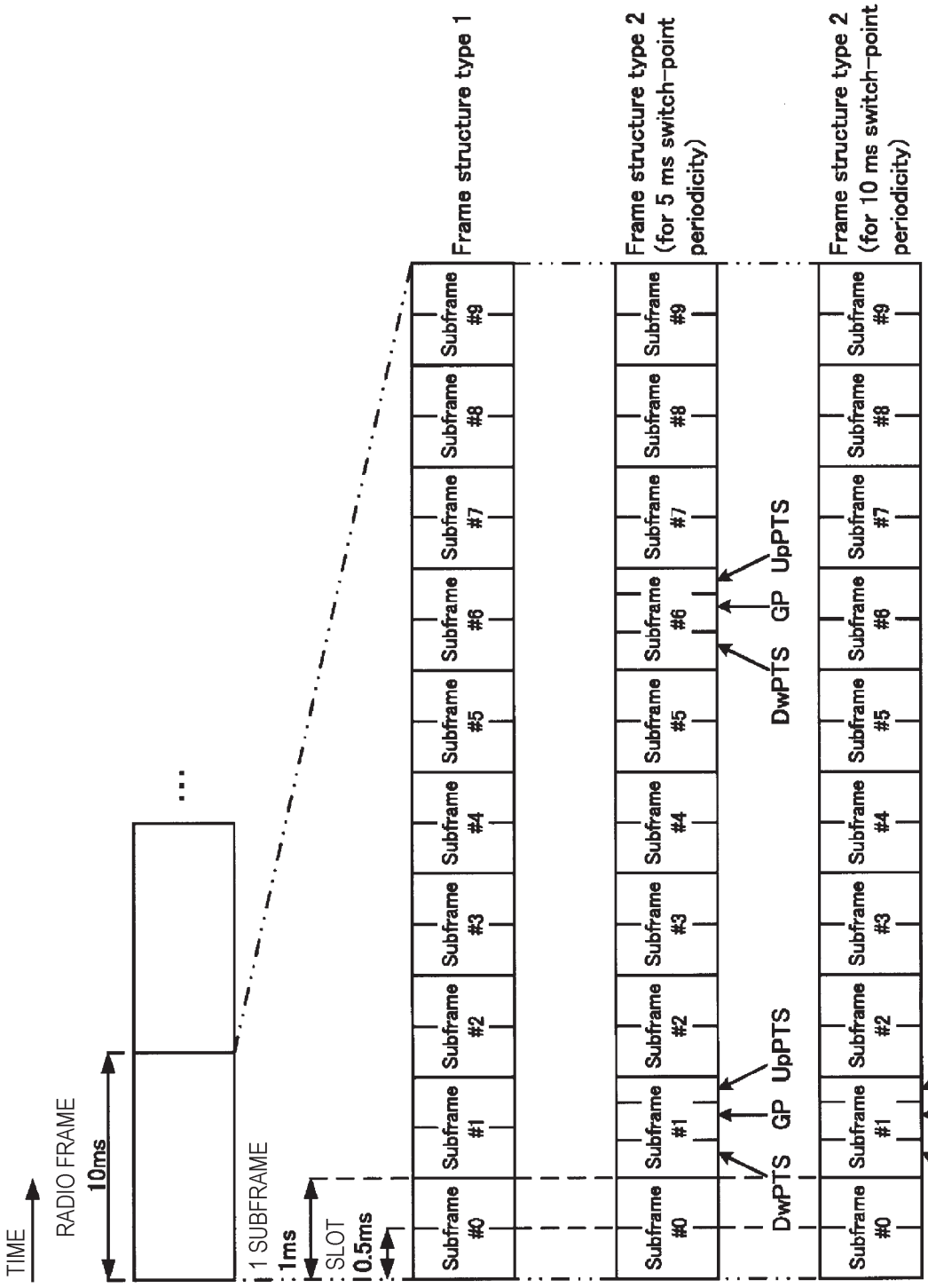
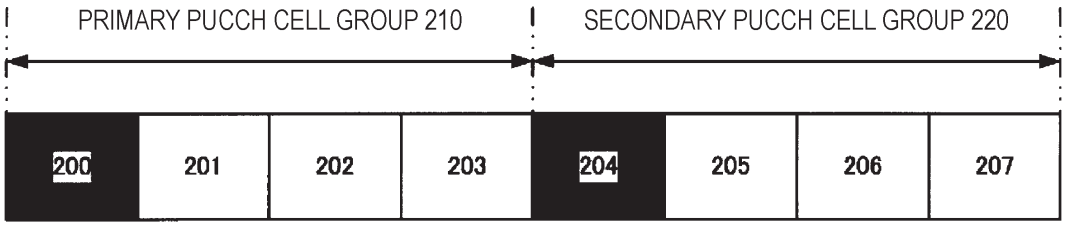

TIME
RADIO FRAME
10ms
1 SUBFRAME
1ms
SLOT
0.5ms
Subframe #0
Subframe #1
Subframe #2
Subframe #3
Subframe #4
Subframe #5
Subframe #6
Subframe #7
Subframe #8
Subframe #9
DwPTS
GP
UpPTS
Frame structure type 1
Frame structure type 2 (for 5 ms switch-point periodicity)
Frame structure type 2 (for 10 ms switch-point periodicity)

FIG. 2



200: PRIMARY CELL
201-207: SECONDARY CELL
200, 204: PUCCH SERVING CELL
201-203, 205-207: NON-PUCCH SERVING CELL

FIG. 3

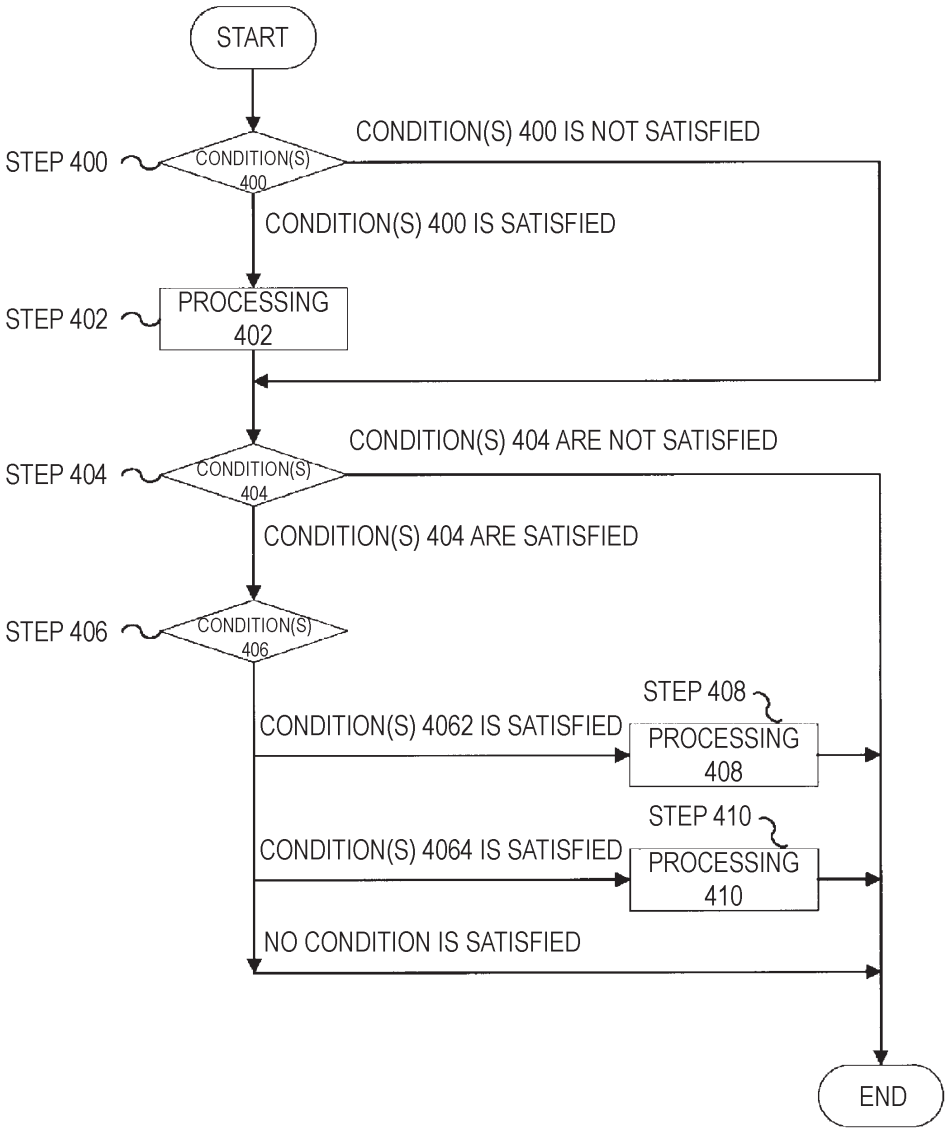
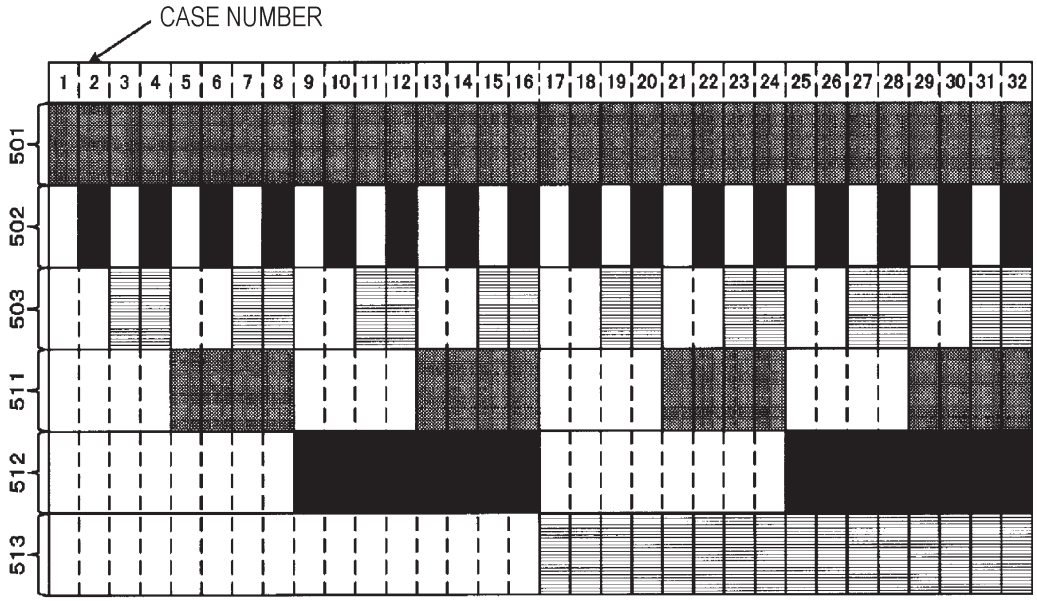


FIG. 4



501: FIRST PUCCH RESOURCE (FIRST PUCCH FORMAT RESOURCE) CONFIGURED TO FIRST SERVING CELL

502: TRANSMISSION OF FIRST PUSCH NOT INCLUDING TRANSPORT BLOCK IN FIRST SERVING CELL (MAY BE REPLACED WITH TRANSMISSION OF FIRST PUSCH NOT INCLUDING TRANSPORT BLOCK IN ONE OF SERVING CELLS INCLUDED IN PUCCH CELL GROUP TO WHICH FIRST SERVING CELL BELONGS)

503: TRANSMISSION OF FIRST HARQ-ACK BY USING PRESCRIBED PUCCH FORMAT IN FIRST SERVING CELL

511: SECOND PUCCH RESOURCE (SECOND PUCCH FORMAT 1 RESOURCE) CONFIGURED TO SECOND SERVING CELL

512: TRANSMISSION OF FIRST PUSCH NOT INCLUDING TRANSPORT BLOCK IN SECOND SERVING CELL (MAY BE REPLACED WITH TRANSMISSION OF FIRST PUSCH NOT INCLUDING TRANSPORT BLOCK IN ONE OF SERVING CELLS INCLUDED IN PUCCH CELL GROUP TO WHICH SECOND SERVING CELL BELONGS)

513: TRANSMISSION OF FIRST HARQ-ACK BY USING PRESCRIBED PUCCH FORMAT IN SECOND SERVING CELL

FIG. 5

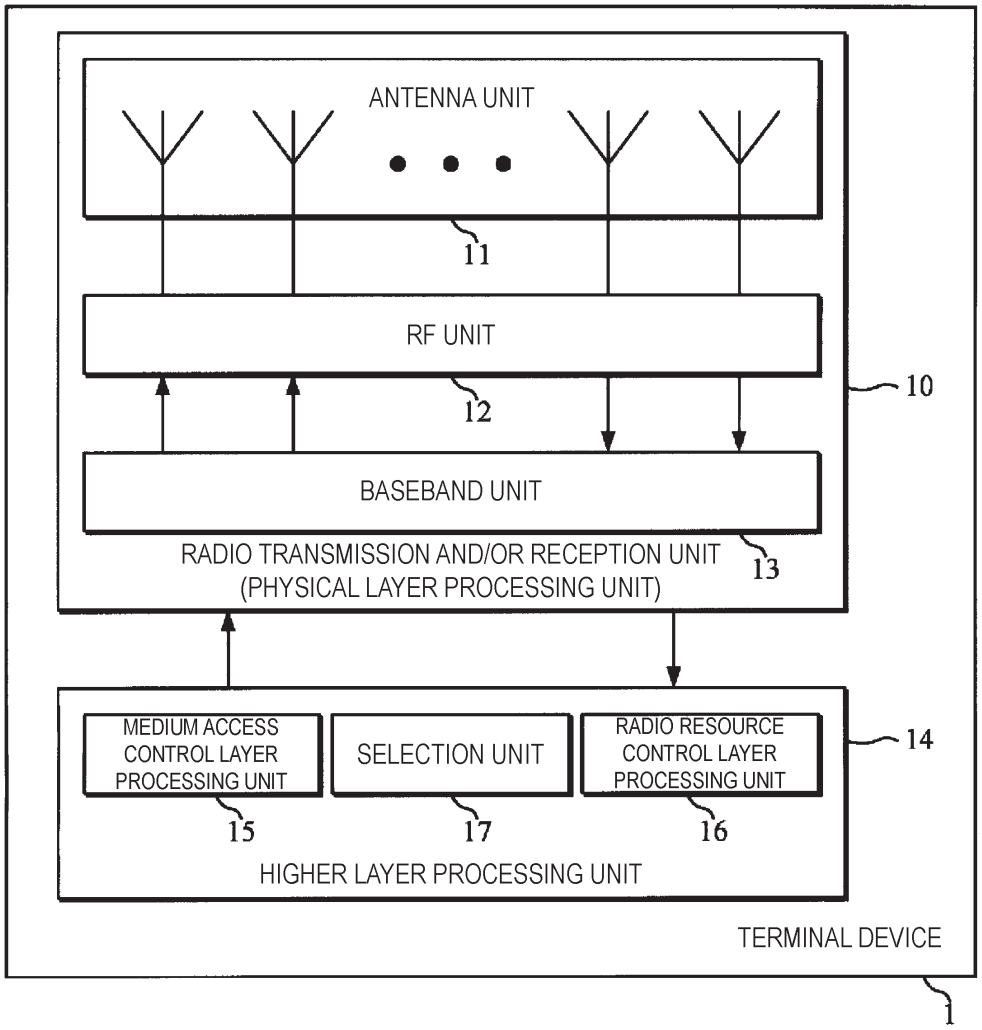

ANTENNA UNIT
11
RF UNIT
12
10
BASEBAND UNIT
RADIO TRANSMISSION AND/OR RECEPTION UNIT
(PHYSICAL LAYER PROCESSING UNIT)
13
MEDIUM ACCESS CONTROL LAYER PROCESSING UNIT
SELECTION UNIT
RADIO RESOURCE CONTROL LAYER PROCESSING UNIT
14
15
17
16
HIGHER LAYER PROCESSING UNIT
TERMINAL DEVICE
1

FIG. 6

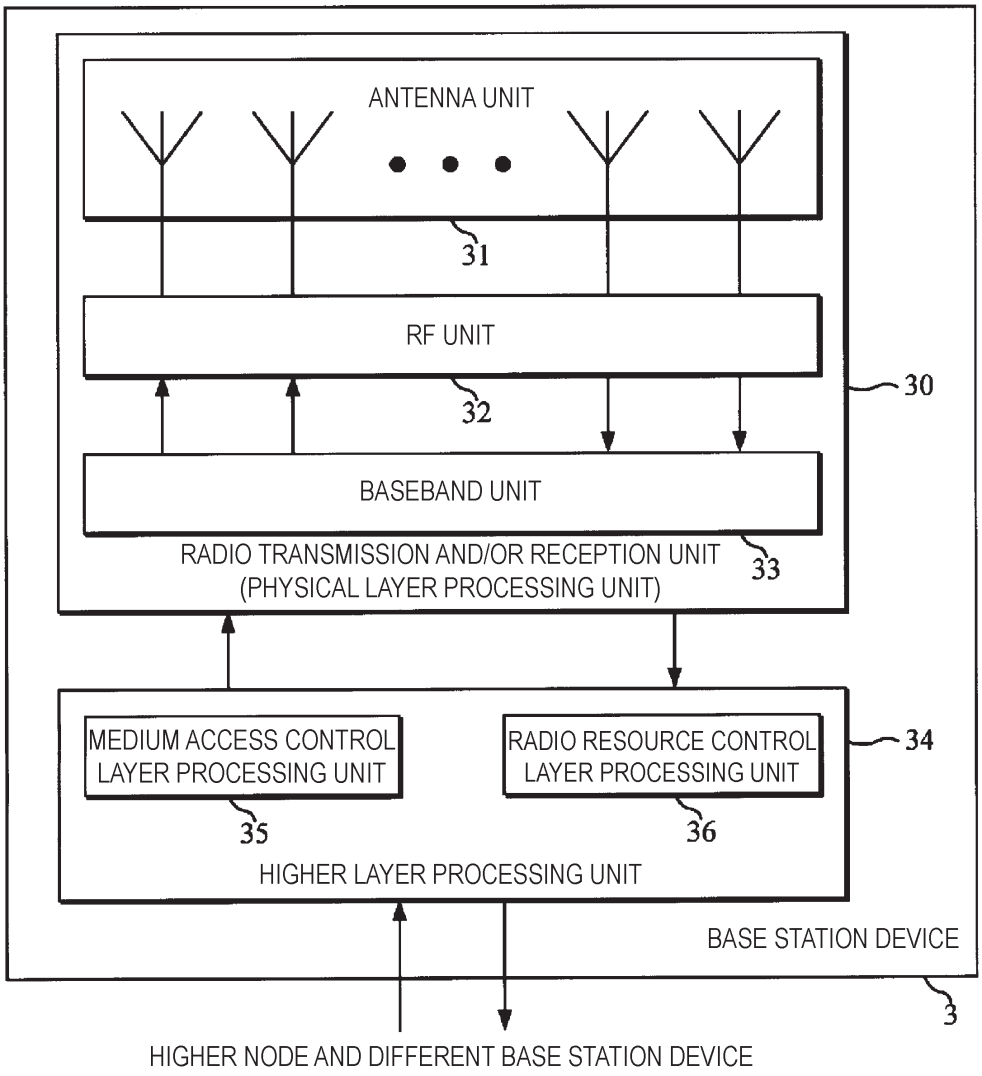

ANTENNA UNIT
31
RF UNIT
32
30
BASEBAND UNIT
RADIO TRANSMISSION AND/OR RECEPTION UNIT
(PHYSICAL LAYER PROCESSING UNIT)
33
MEDIUM ACCESS CONTROL LAYER PROCESSING UNIT
35
RADIO RESOURCE CONTROL LAYER PROCESSING UNIT
36
34
HIGHER LAYER PROCESSING UNIT
BASE STATION DEVICE
3
HIGHER NODE AND DIFFERENT BASE STATION DEVICE

FIG. 7