

FIG. 1

FIG. 1A

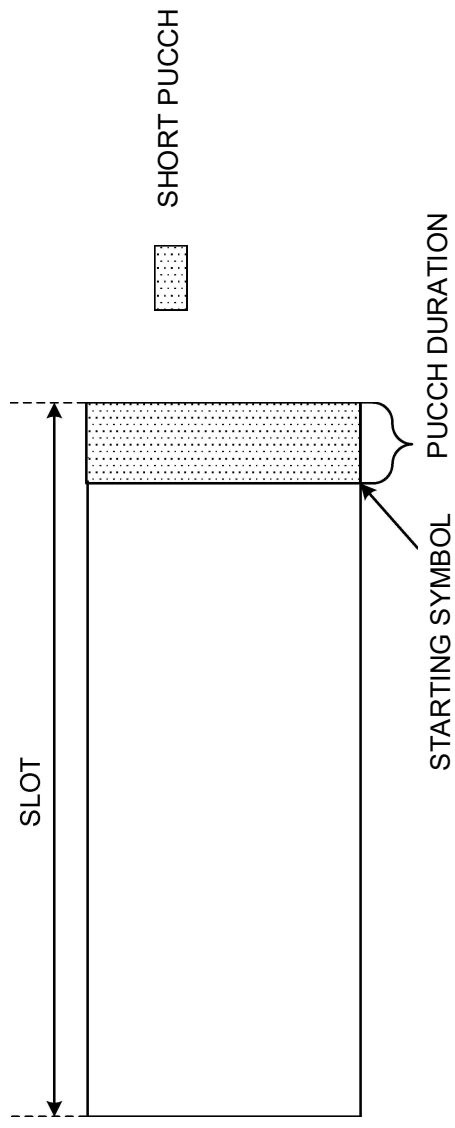
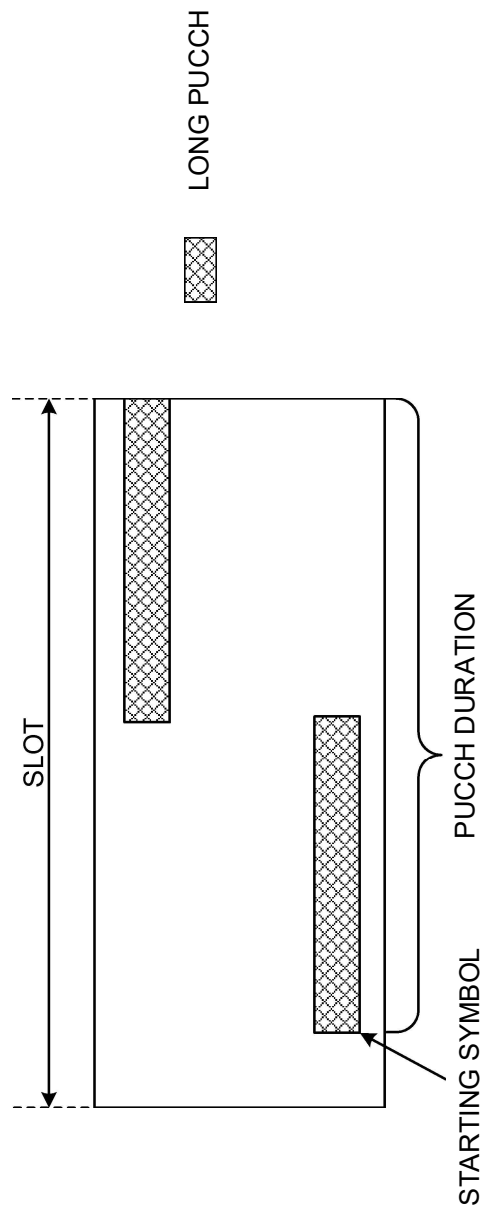


FIG. 1B



PUCCH FORMAT	NUMBER OF SYMBOLS	NUMBER OF BITS
0	1-2	≤ 2
1	4-14	≤ 2
2	1-2	> 2
3	4-14	$> N$
4	4-14	$> 2, < N$

FIG. 2

FIG. 3

FIG. 3A

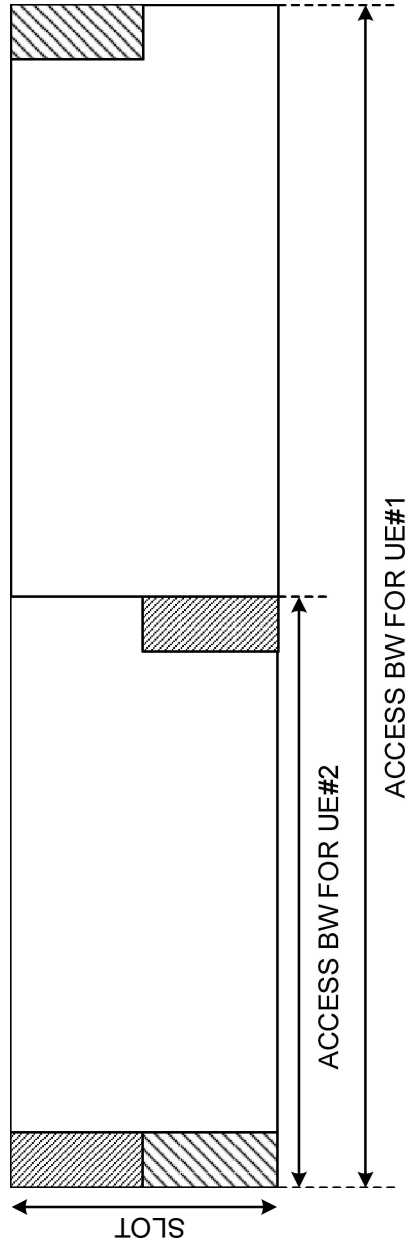
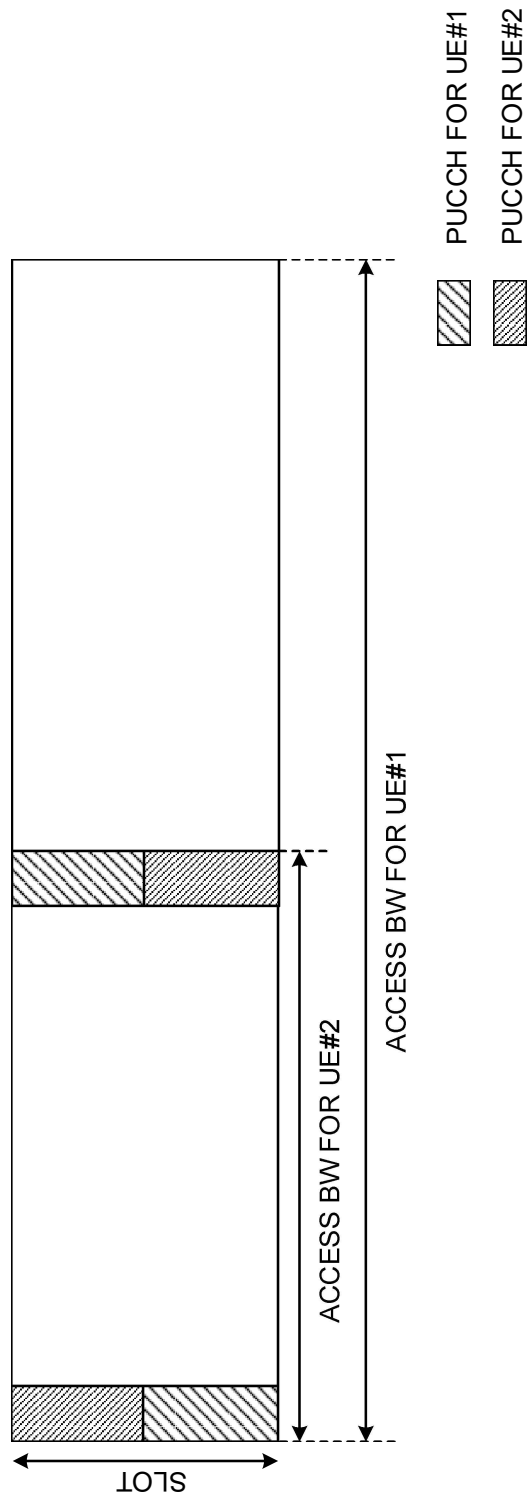


FIG. 3B



 PUCCH FOR UE#1
 PUCCH FOR UE#2

FIG. 4

FIG. 4A

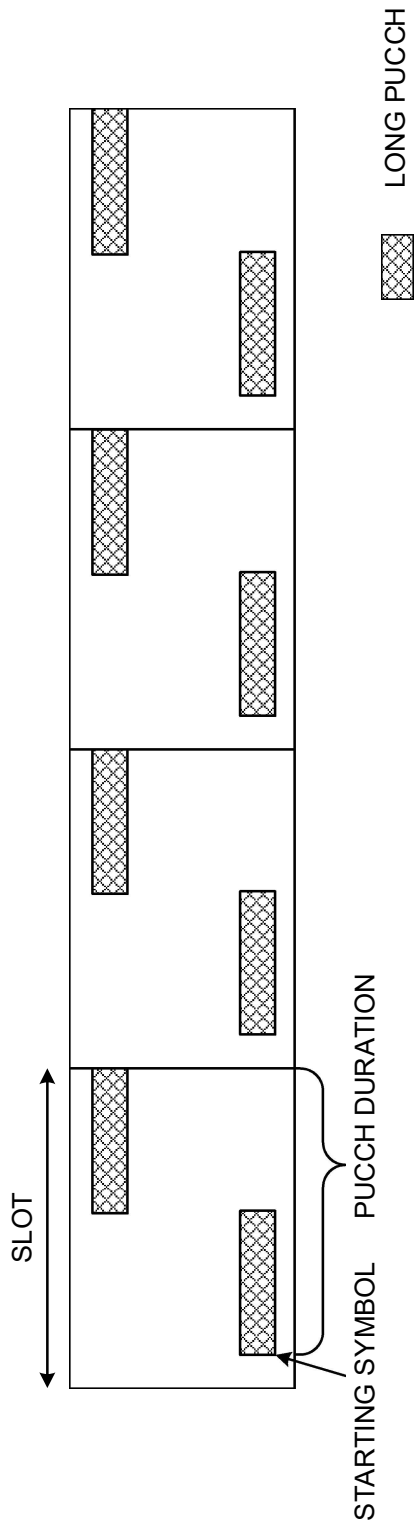


FIG. 4B

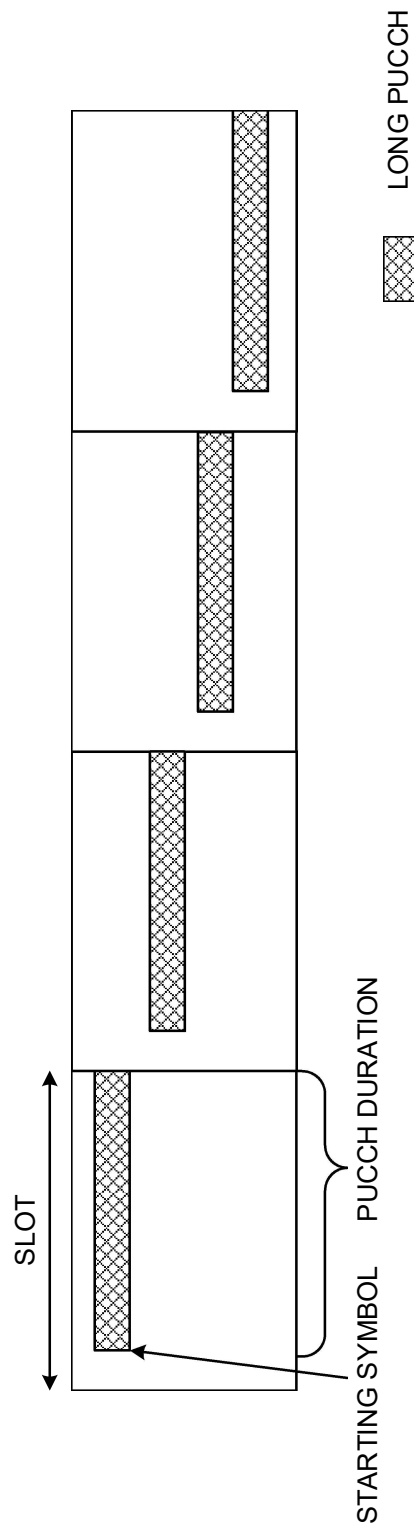


FIG. 5

FIG. 5A

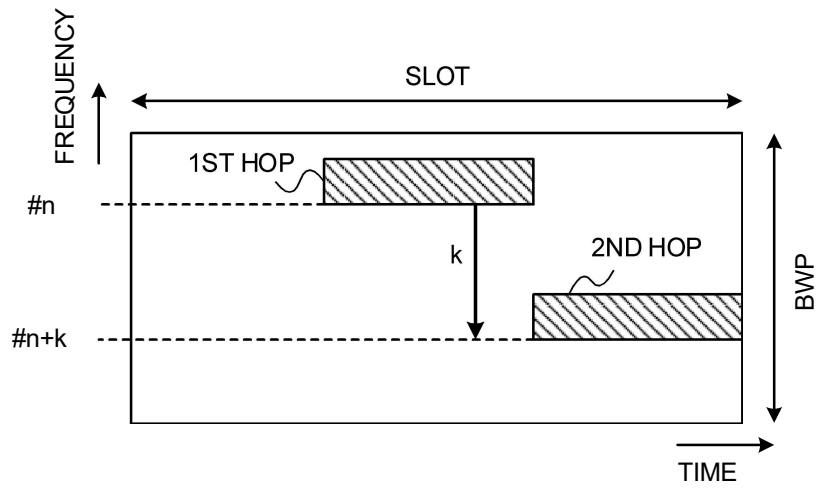


FIG. 5B

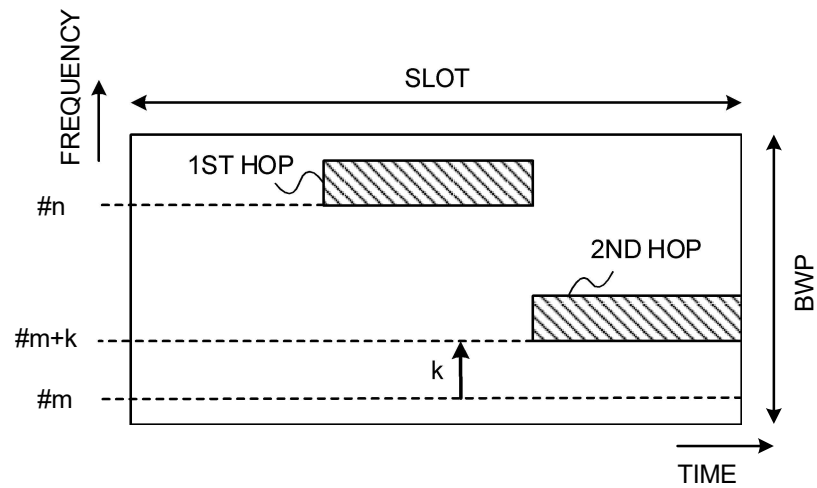


FIG. 5C

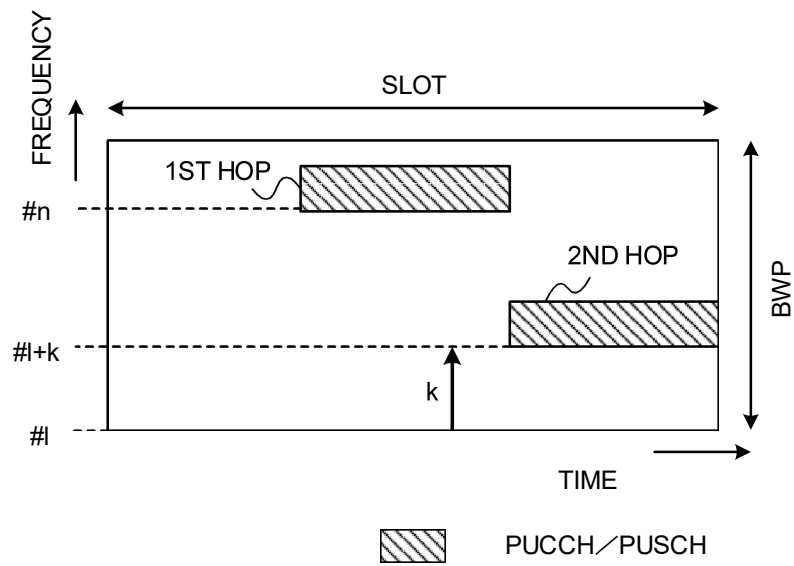


FIG. 6

FIG. 6A

CERTAIN FIELD VALUE IN DCI	PUCCH RESOURCE SET
00	PUCCH RESOURCE SET #0
01	PUCCH RESOURCE SET #1
10	PUCCH RESOURCE SET #2
11	PUCCH RESOURCE SET #3

FIG. 6B

GROUP OF PARAMETERS INCLUDED IN EACH PUCCH RESOURCE SET

STARTING SYMBOL
NUMBER OF SYMBOLS IN SLOT
INDEX IDENTIFYING FIRST-HOP FREQUENCY RESOURCE
NUMBER OF PRBS
ENABLING FREQUENCY HOPPING OR NOT
INFORMATION RELATED TO SECOND- AND SUBSEQUENT-HOP FREQUENCY RESOURCES
FREQUENCY HOPPING MODE FOR PLURALITY OF SLOTS

INFORMATION INCLUDED IN DCI

STARTING SYMBOL
NUMBER OF SYMBOLS IN SLOT
INFORMATION (c) OF FREQUENCY RESOURCE ALLOCATION FOR PUSCH
(a) ENABLING FREQUENCY HOPPING OR NOT
INFORMATION (b) RELATED TO SECOND- AND SUBSEQUENT-HOP FREQUENCY RESOURCES
(d) MODE OF FREQUENCY HOPPING FOR PLURALITY OF SLOTS

FIG. 7

FIG. 8

FIG. 8A

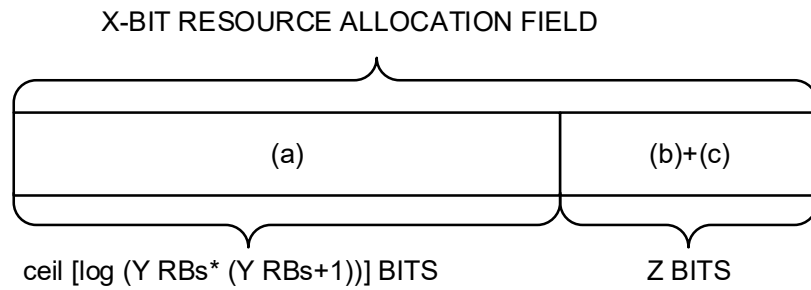


FIG. 8B

Z=1	(b)+(c)
0	0 (WITHOUT HOPPING)
1	$1/2 * S$

FIG. 8C

Z=2	(b)+(c)
00	0 (WITHOUT HOPPING)
01	$1/2 * S$
10	$(+1/4) * S$
11	$(-1/4) * S$

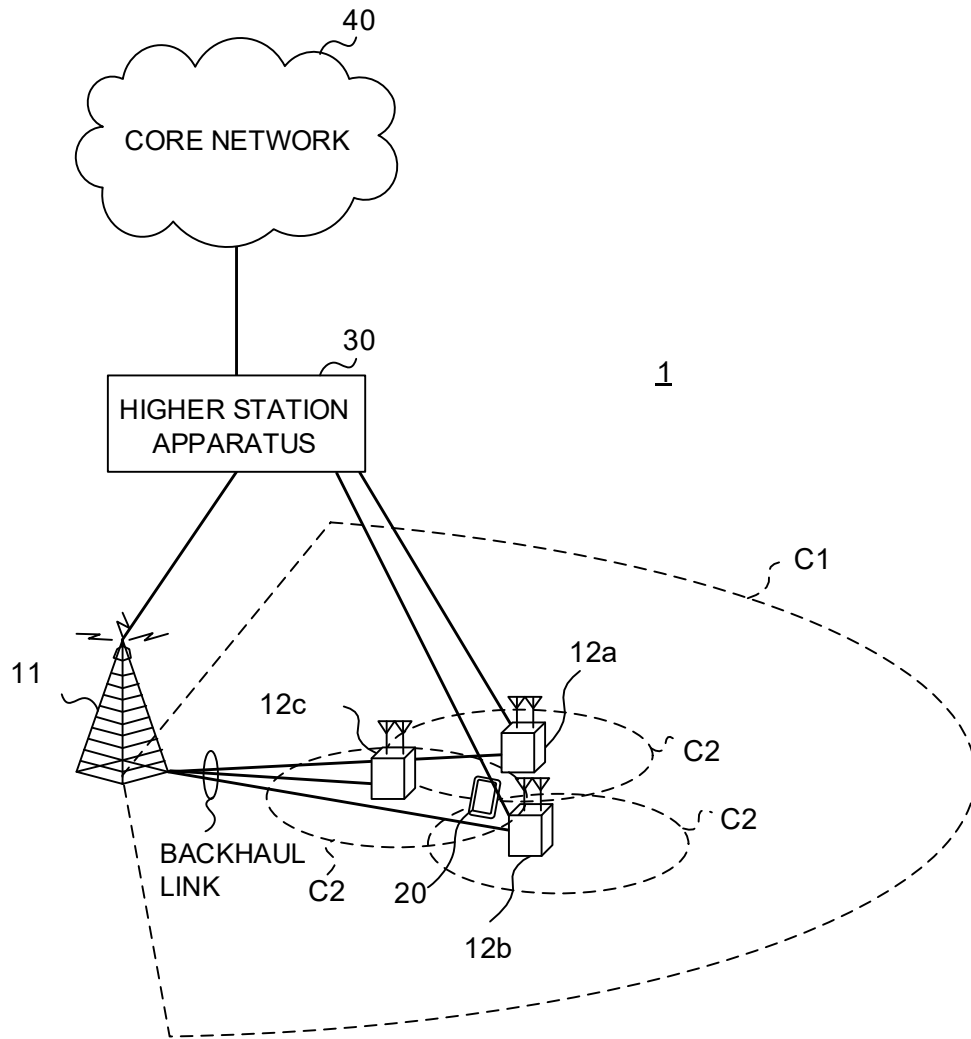


FIG. 9

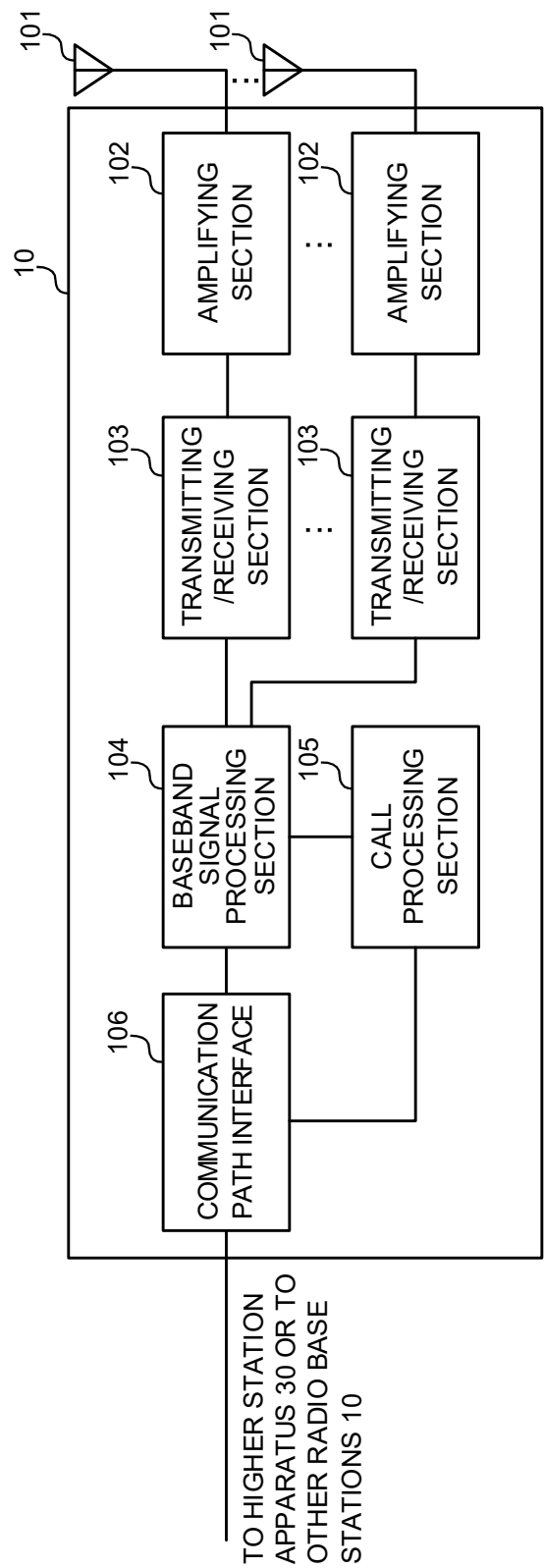


FIG. 10

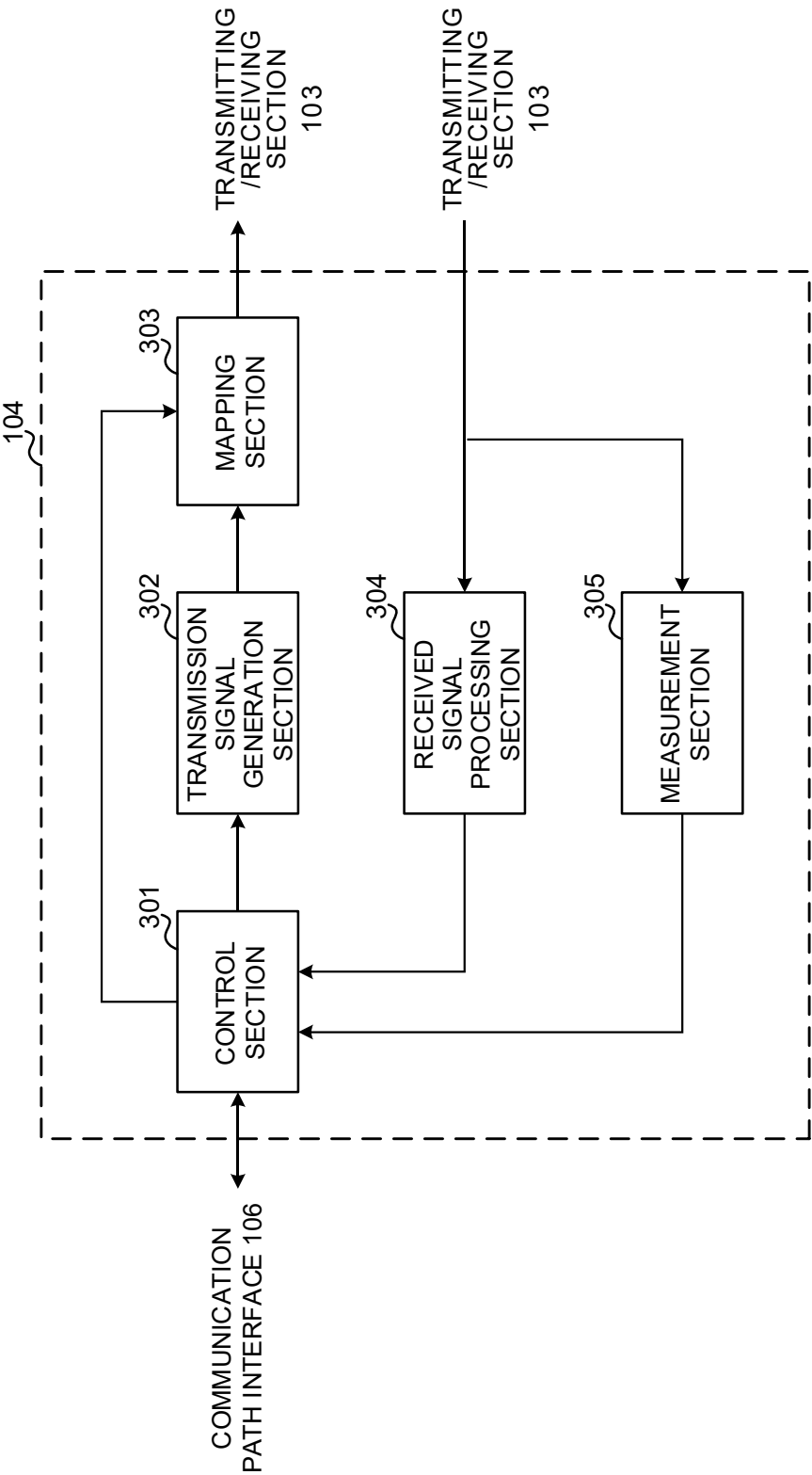


FIG. 11

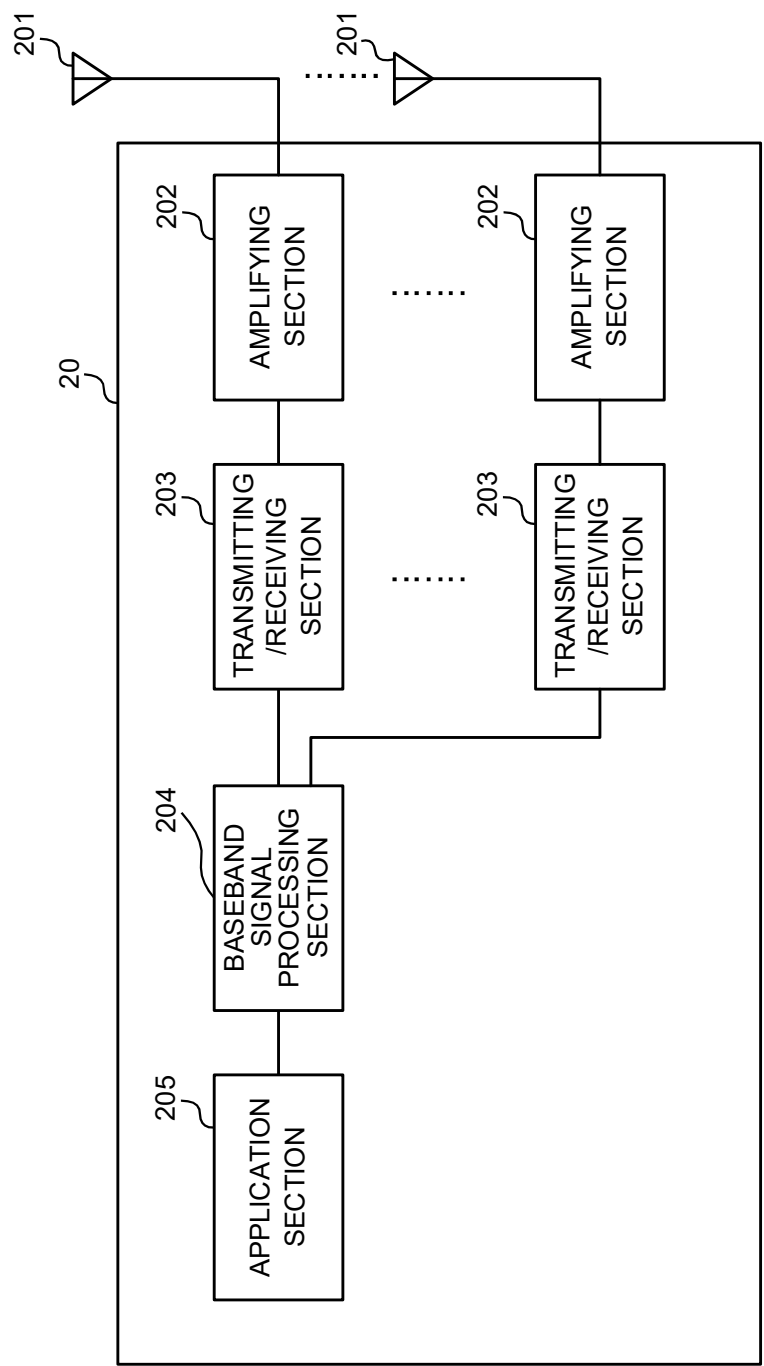


FIG. 12

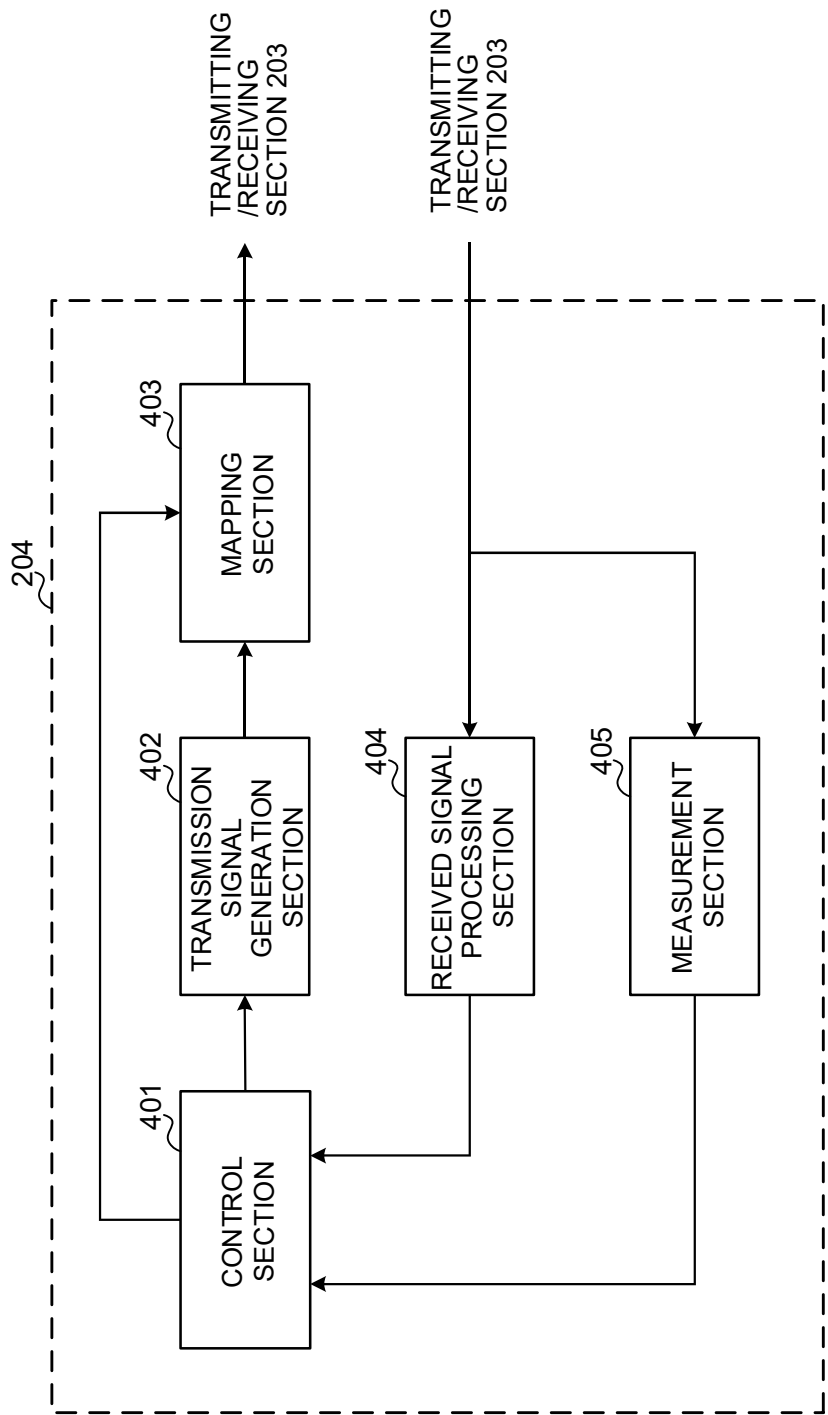


FIG. 13

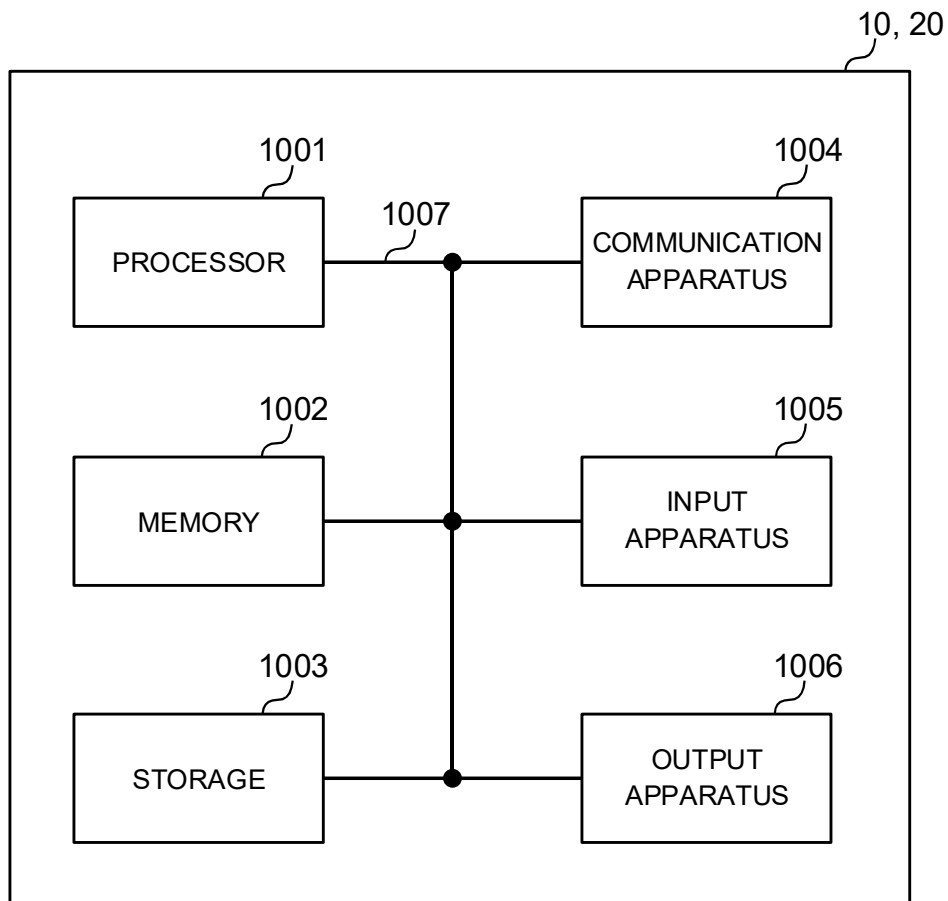


FIG. 14