

FIG.1

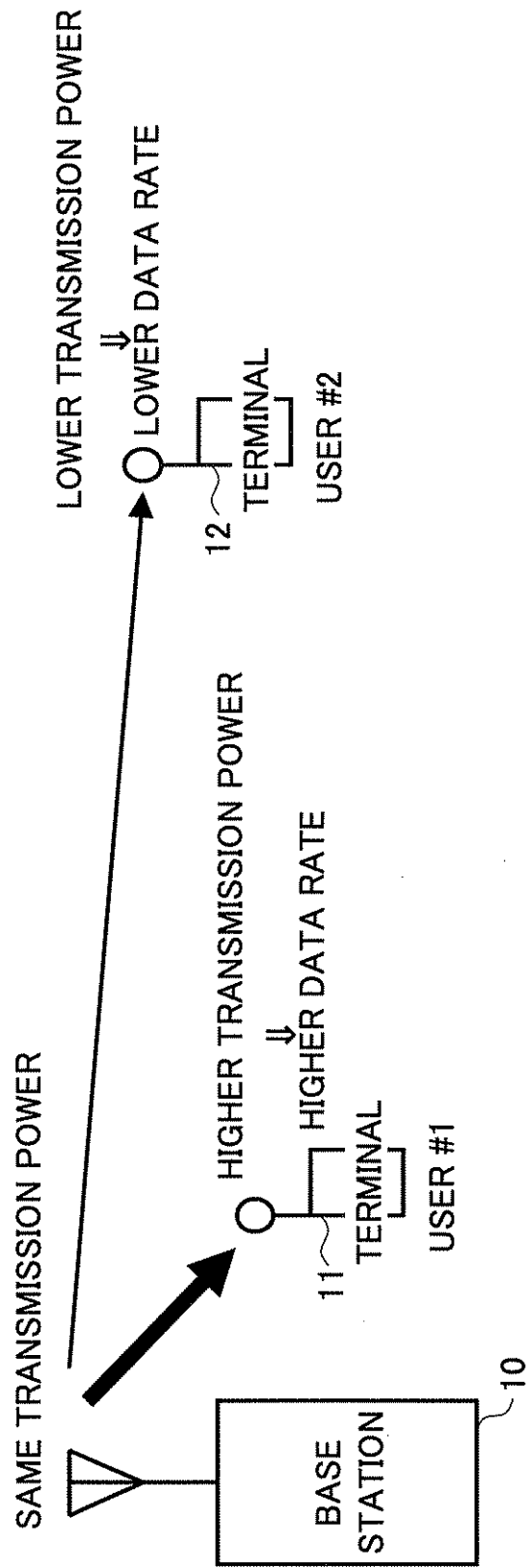
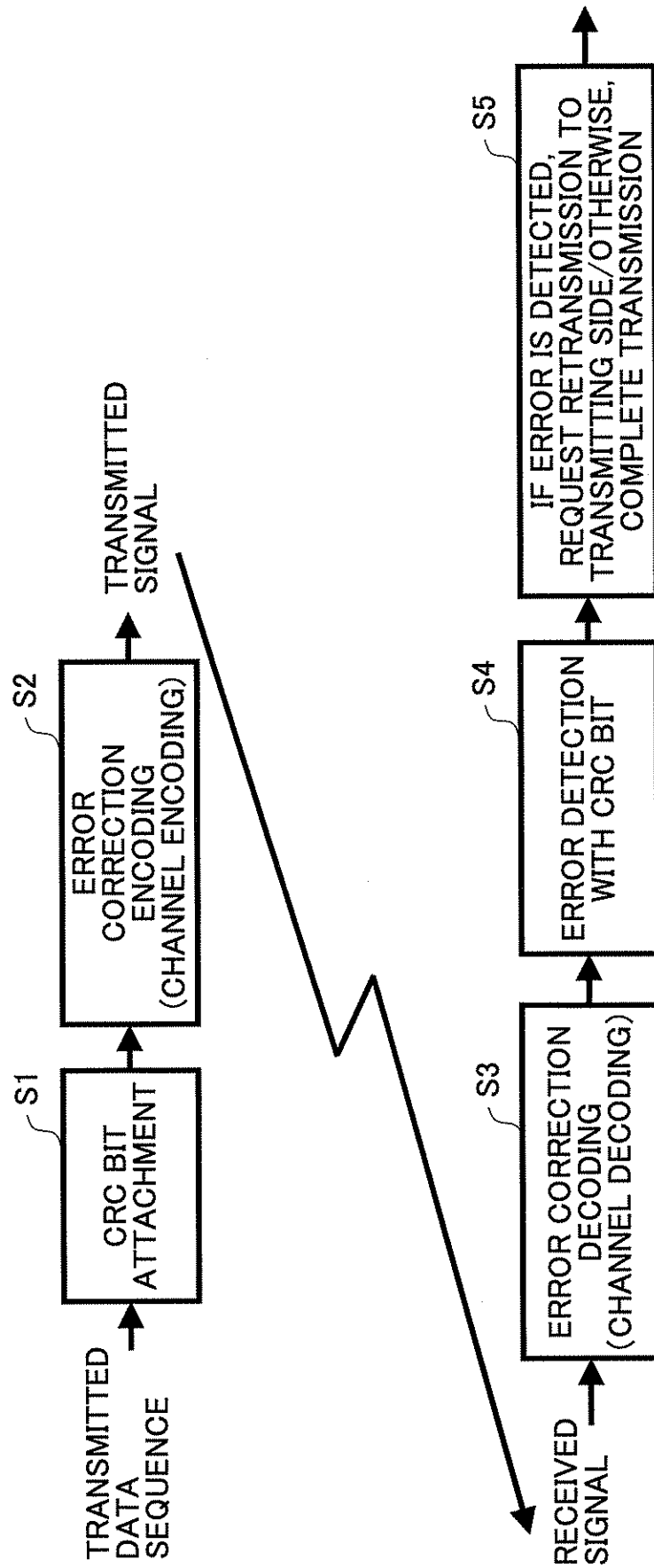


FIG.2



MCS NUMBERS	DATA MODULATIONS	CHANNEL CODING RATES	RELATIVE INFORMATION BIT RATES
MCS1	QPSK	1/3	1
MCS2	QPSK	1/2	1.5
MCS3	QPSK	2/3	2
MCS4	QPSK	6/7	2.57
MCS5	16QAM	1/2	3
MCS6	16QAM	2/3	4
MCS7	16QAM	3/4	4.5
MCS8	16QAM	5/6	5
MCS9	16QAM	6/7	5.24
MCS10	16QAM	8/9	5.33

FIG.3



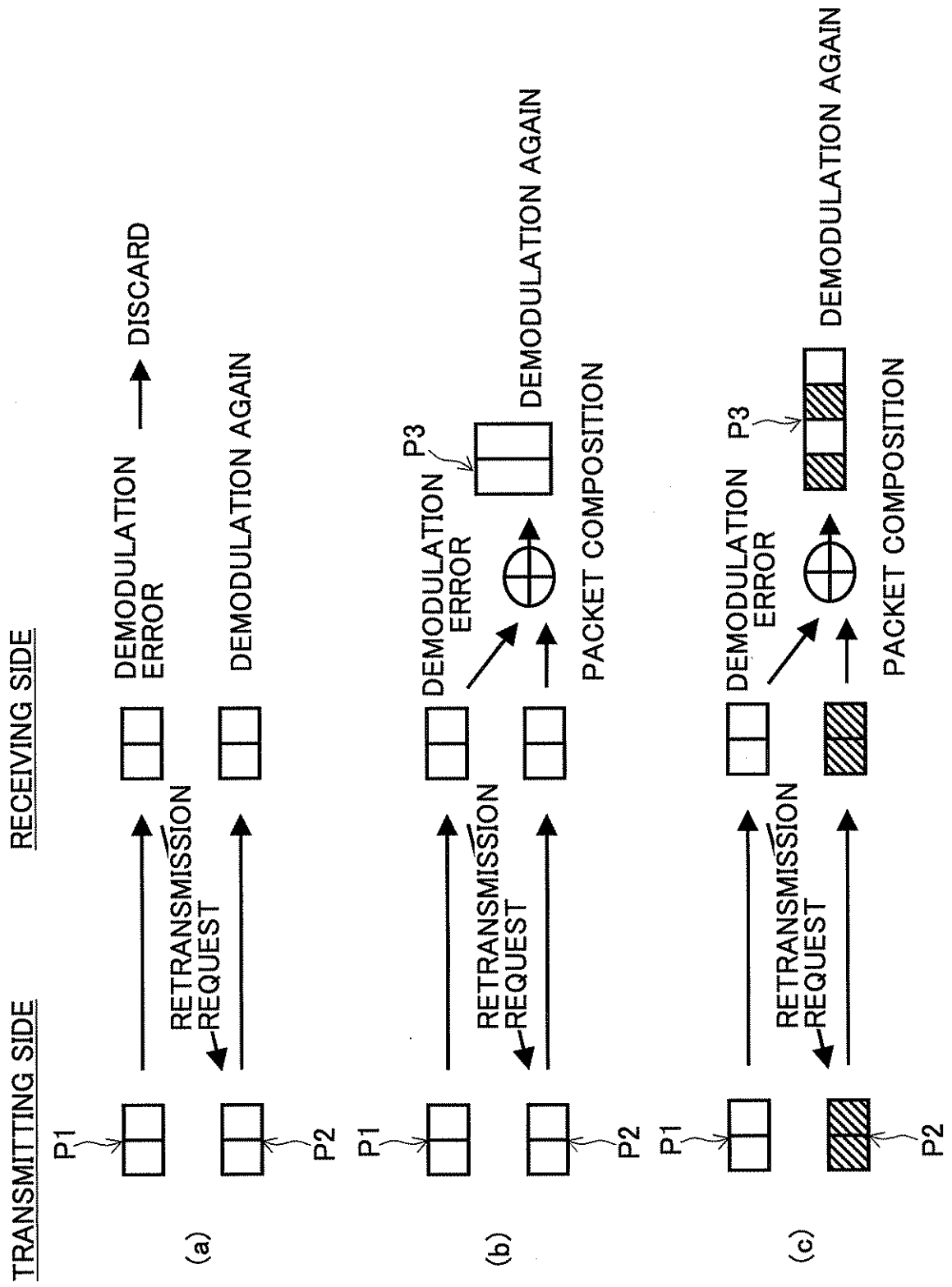


FIG.4

FIG.5

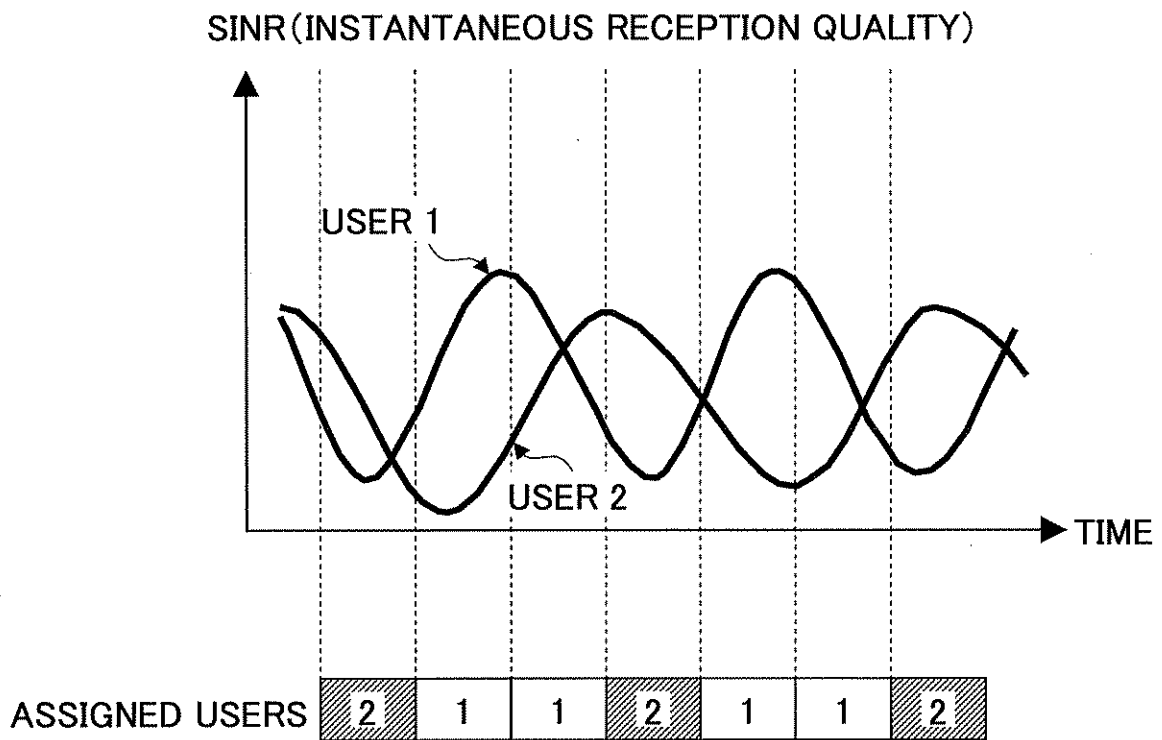


FIG.6

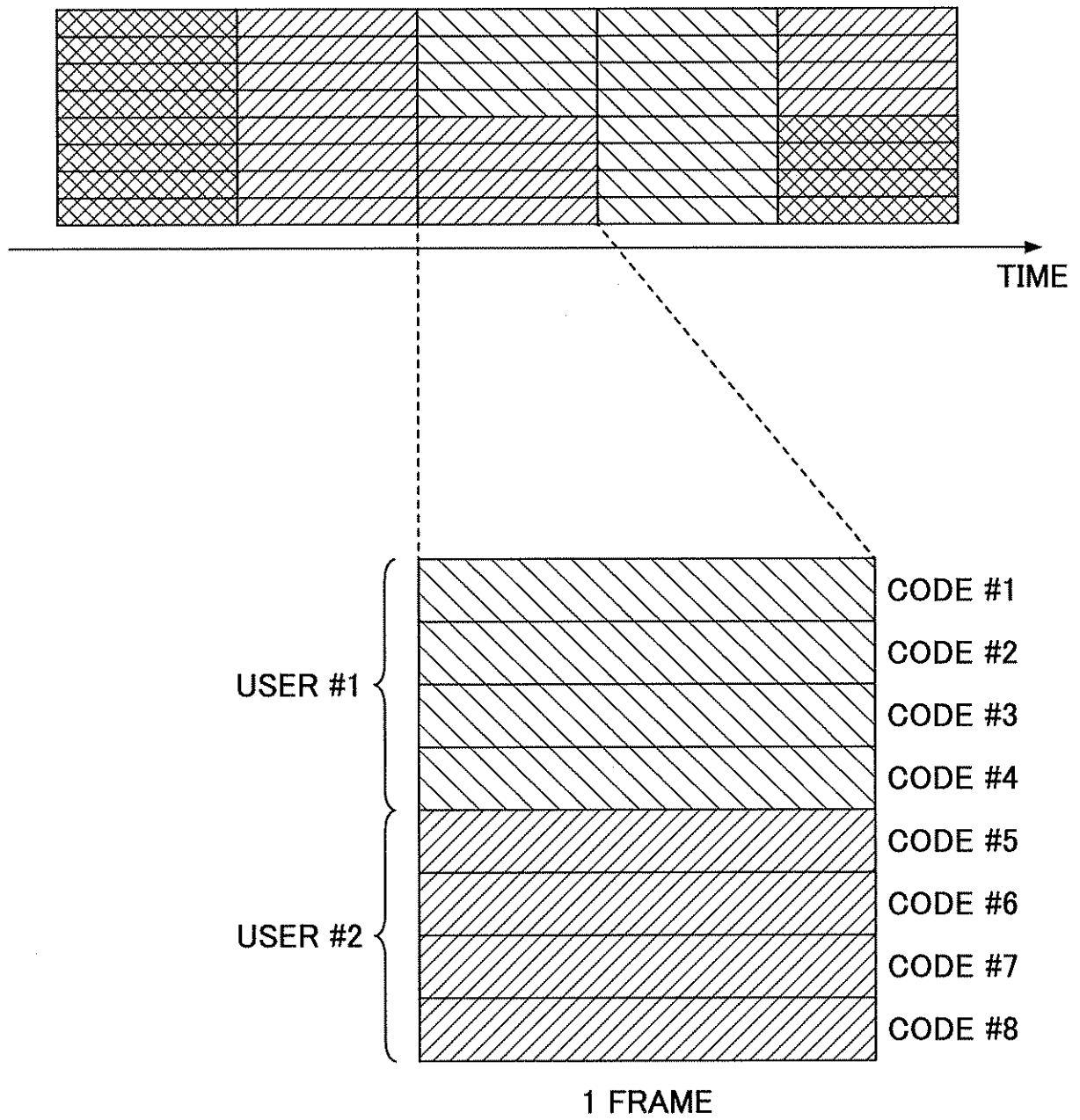


FIG. 7

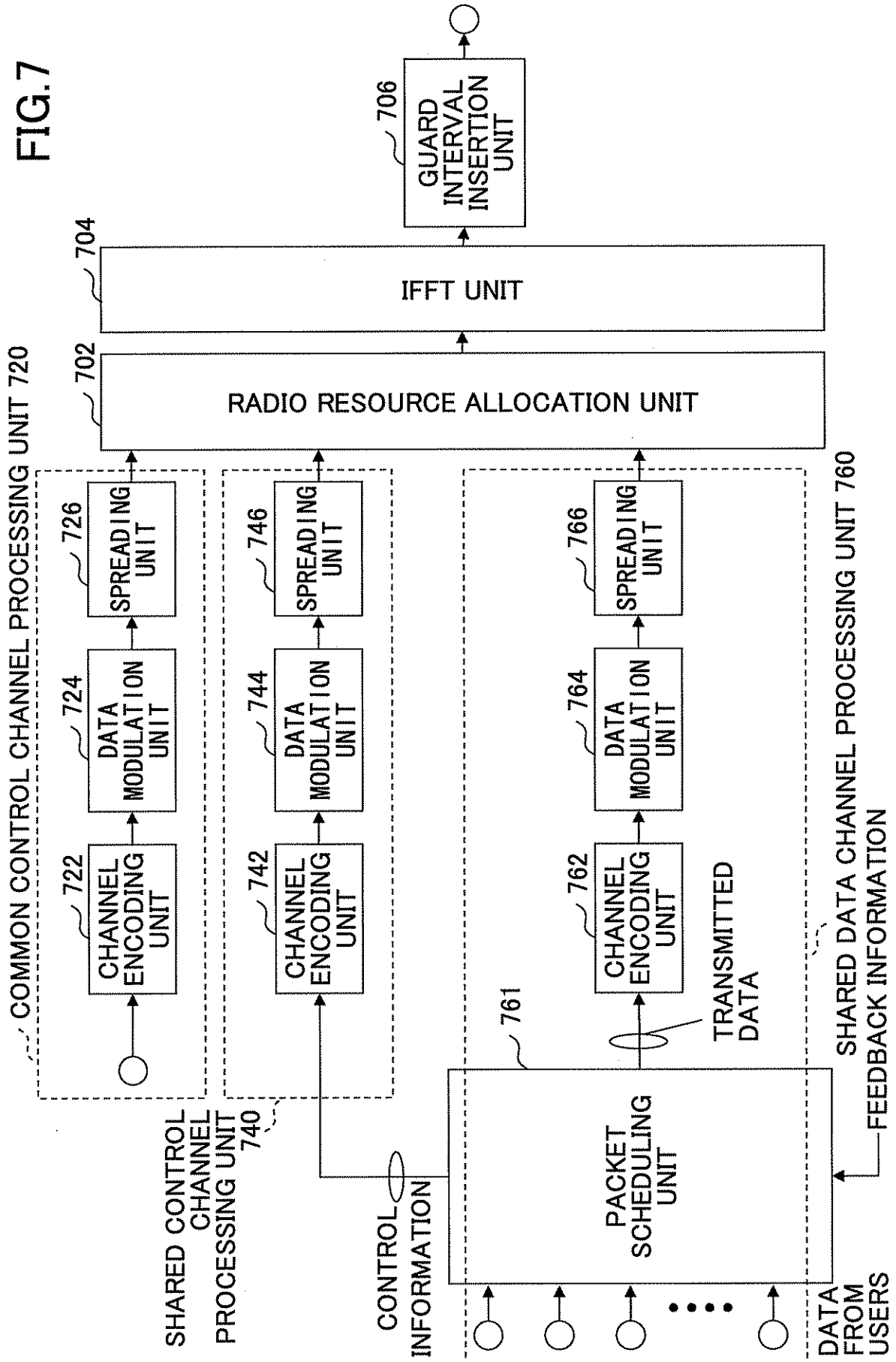


FIG.8

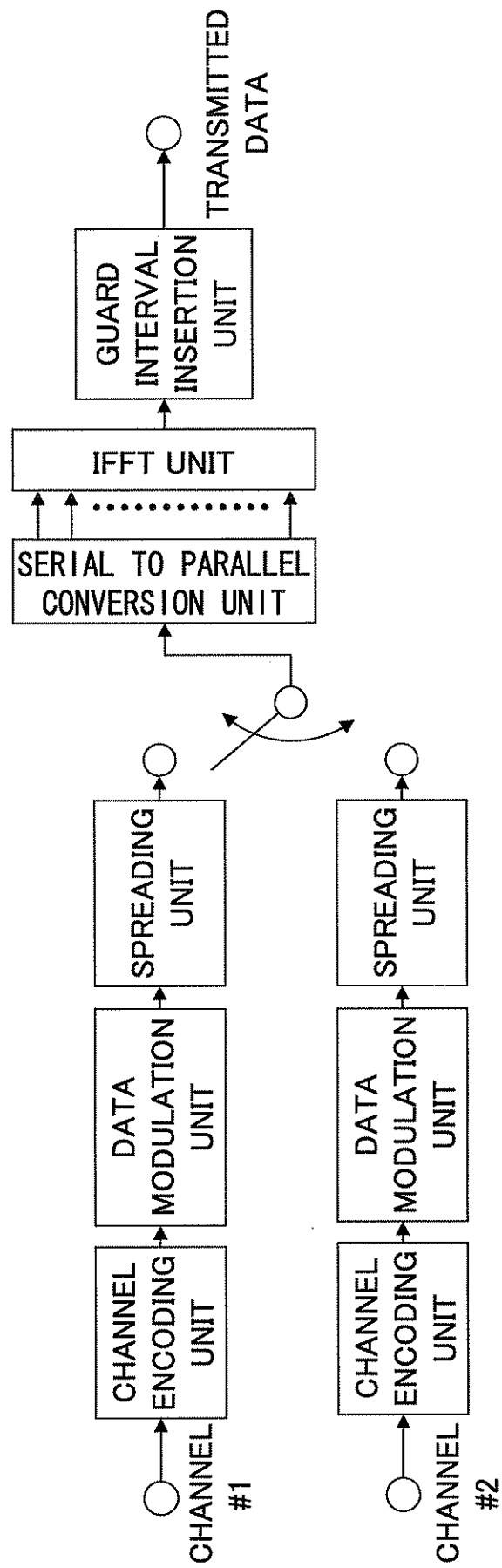


FIG.9

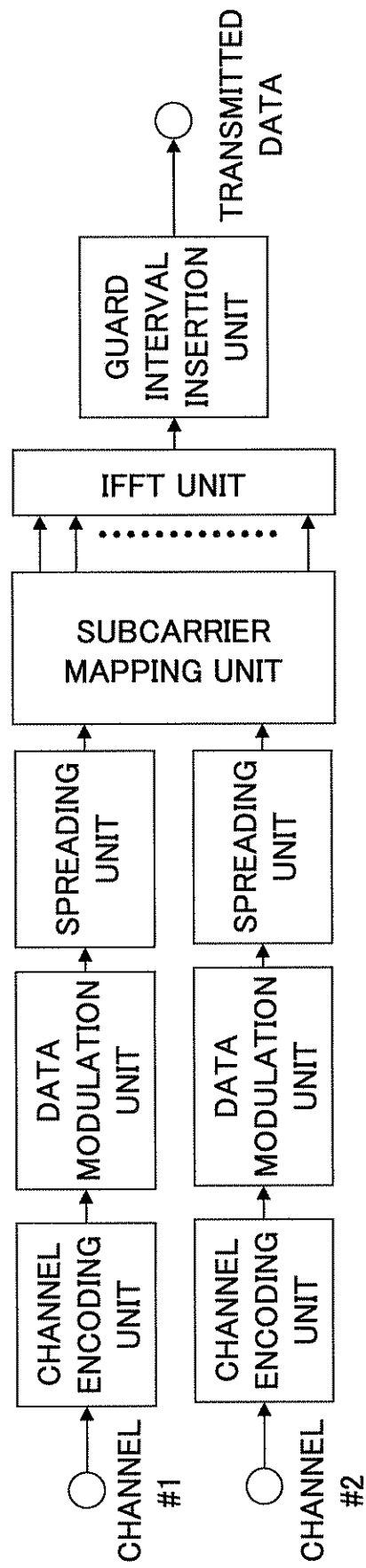


FIG.10

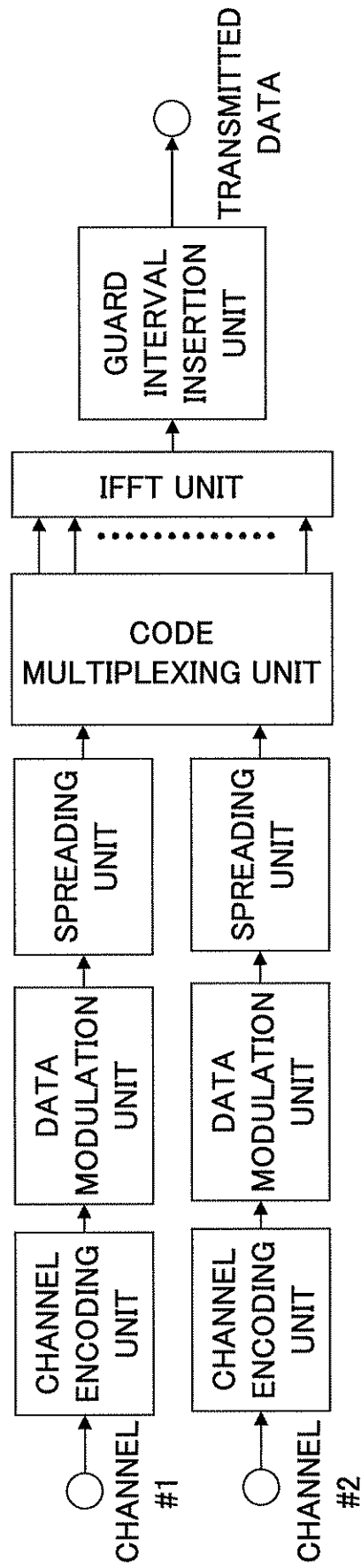


FIG.11

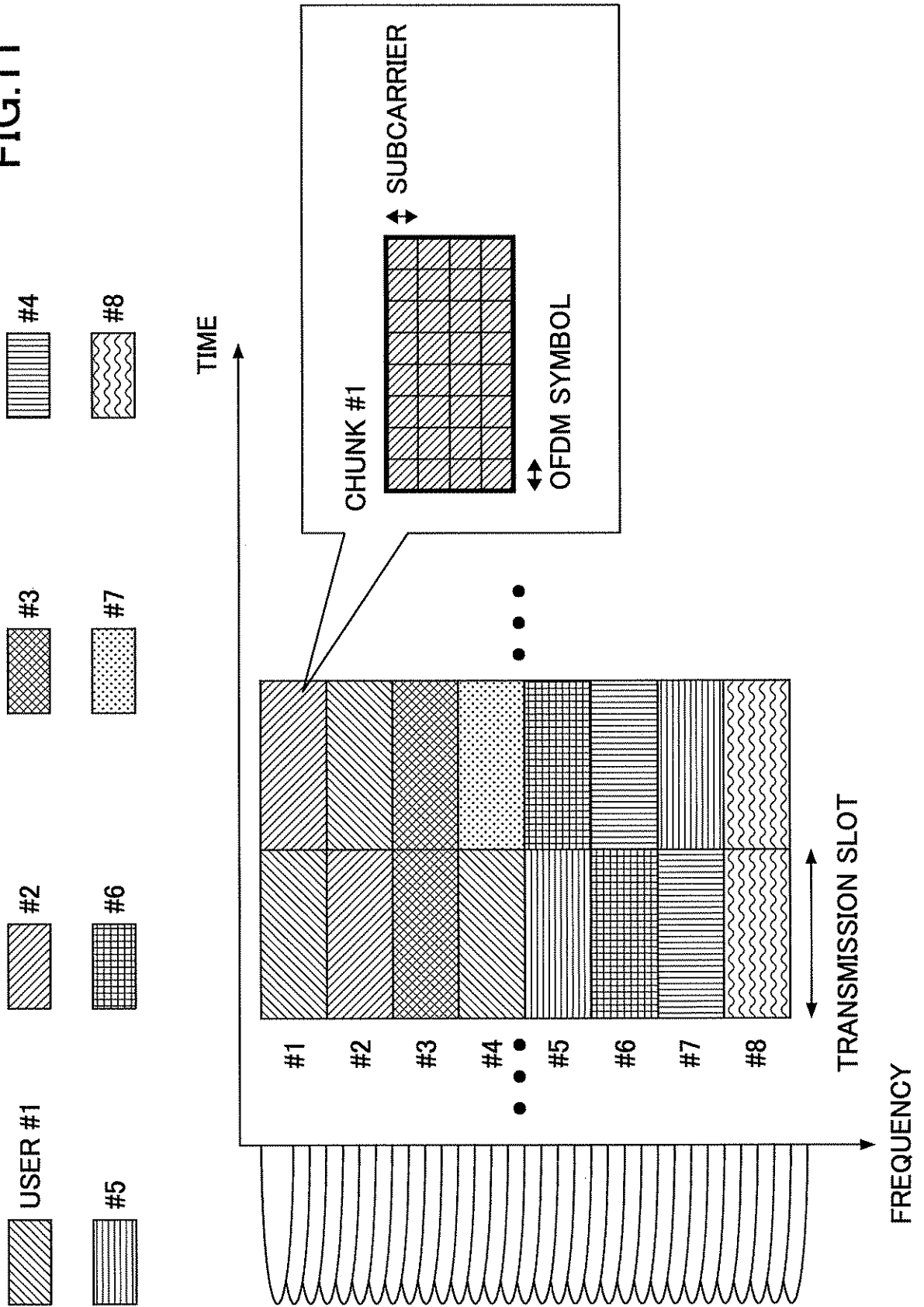


FIG.12A

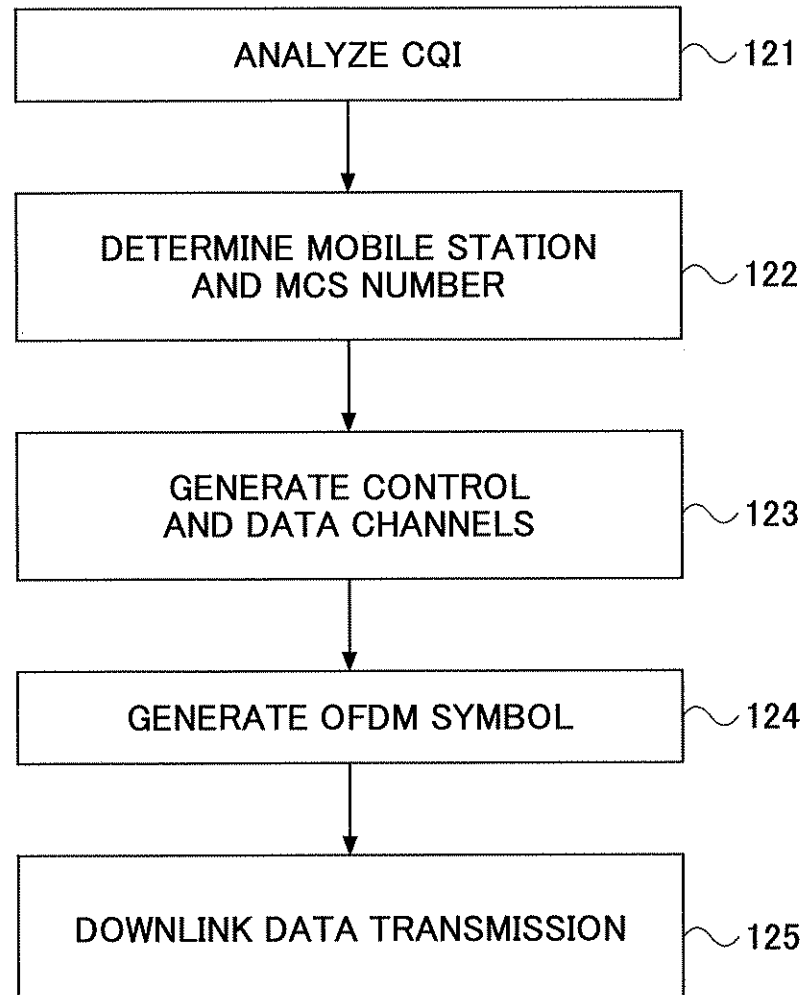


FIG.12B

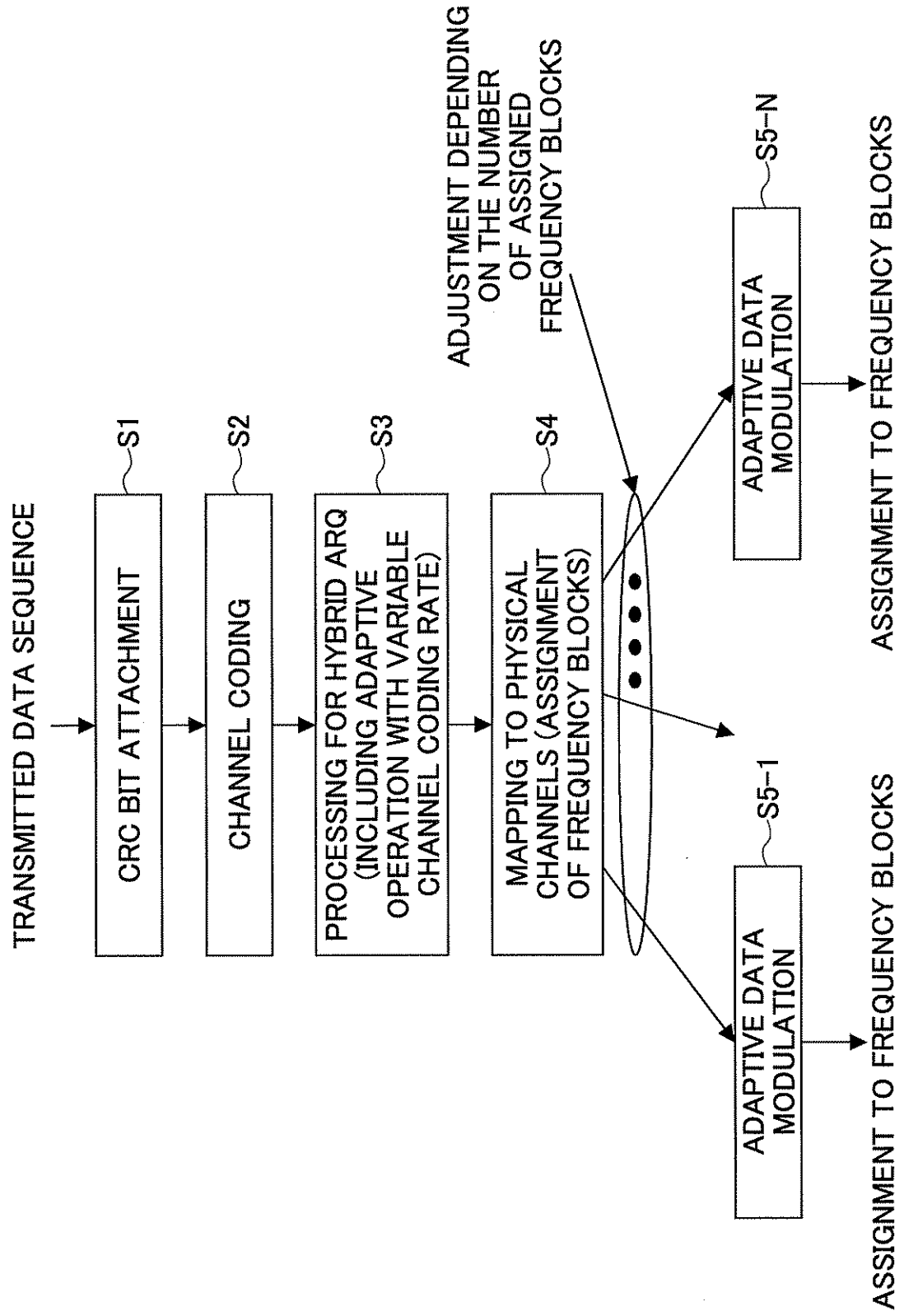
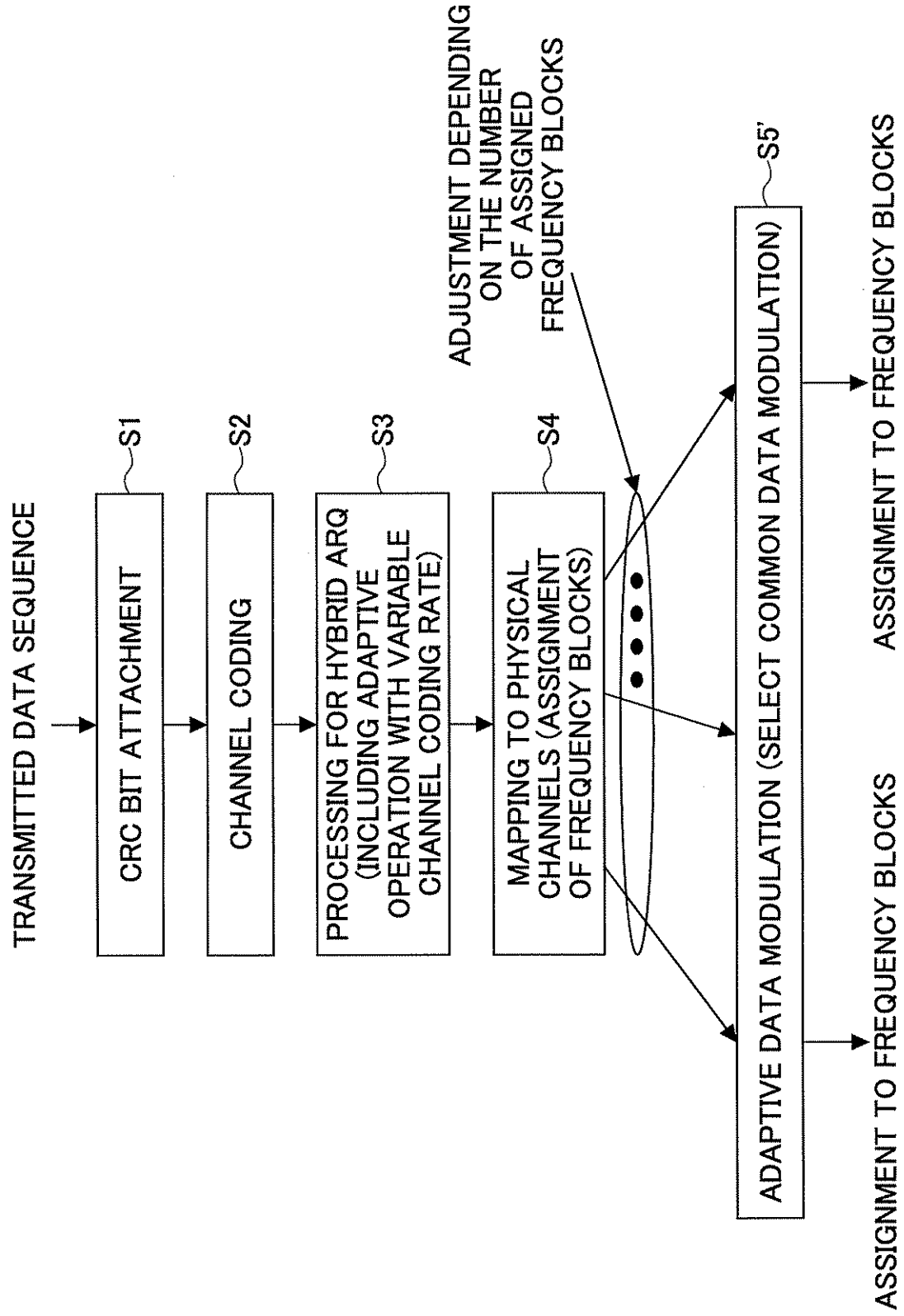


FIG.12C



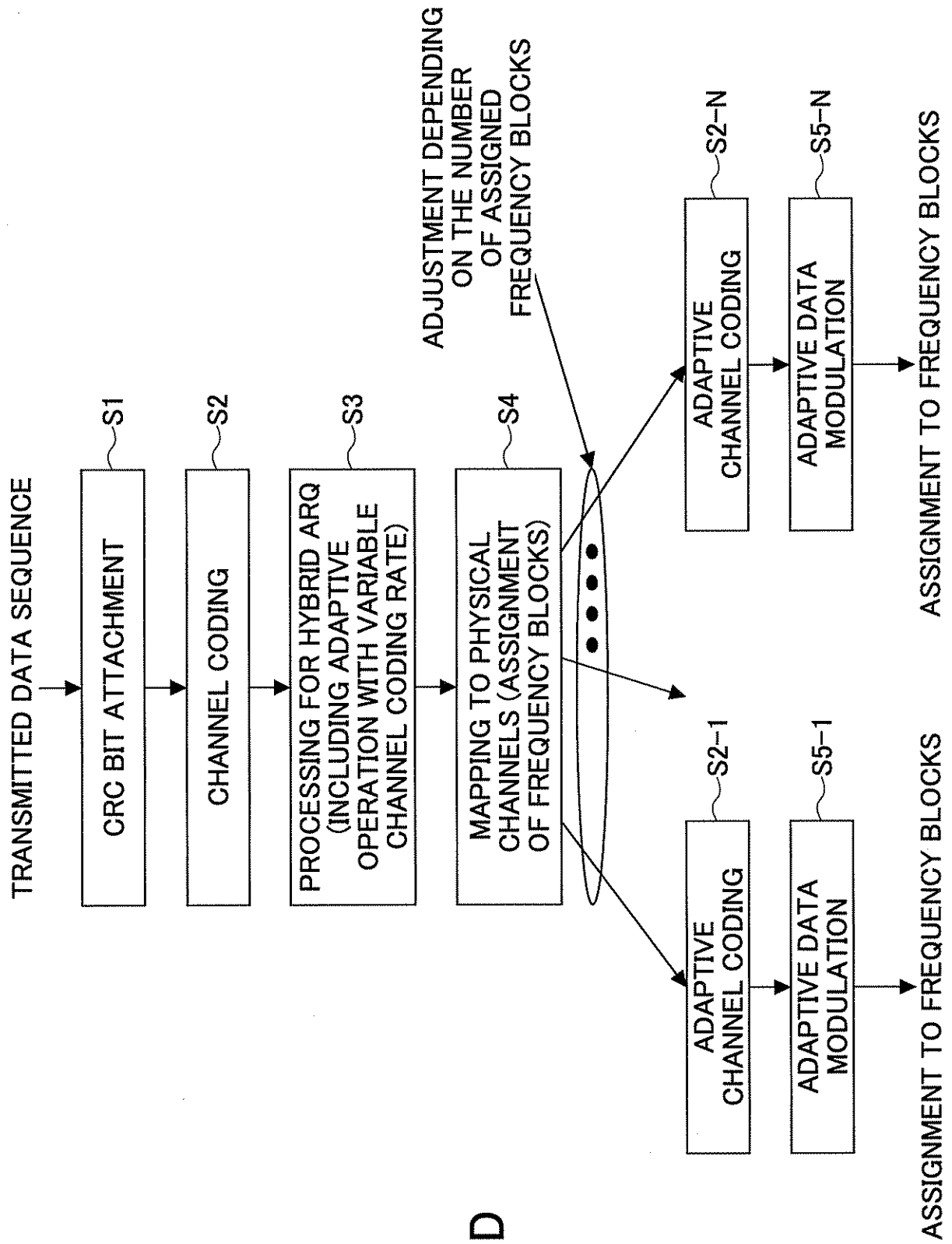


FIG. 12D

FIG.13

FIELD NAMES	TYPES OF CONTROL INFORMATION	REQUIREMENT FOR REPORTING PER FREQUENCY BLOCK
CHUNK ALLOCATION INFORMATION	CONTROL INFORMATION OVER PHYSICAL LAYER	NOT REQUIRED
MODULATION SCHEME INFORMATION	CONTROL INFORMATION OVER PHYSICAL LAYER	REQUIRED / NOT REQUIRED
CODING RATE INFORMATION	CONTROL INFORMATION OVER LAYER 2	REQUIRED / NOT REQUIRED
HYBRID ARQ PROCESS INFORMATION	CONTROL INFORMATION OVER LAYER 2	REQUIRED / NOT REQUIRED
REDUNDANCY VERSION	CONTROL INFORMATION OVER LAYER 2	REQUIRED / NOT REQUIRED
PACKET STATUS INFORMATION	CONTROL INFORMATION OVER LAYER 2	REQUIRED / NOT REQUIRED
UE IDENTITY	CONTROL INFORMATION OVER PHYSICAL LAYER	NOT REQUIRED

FIG.14

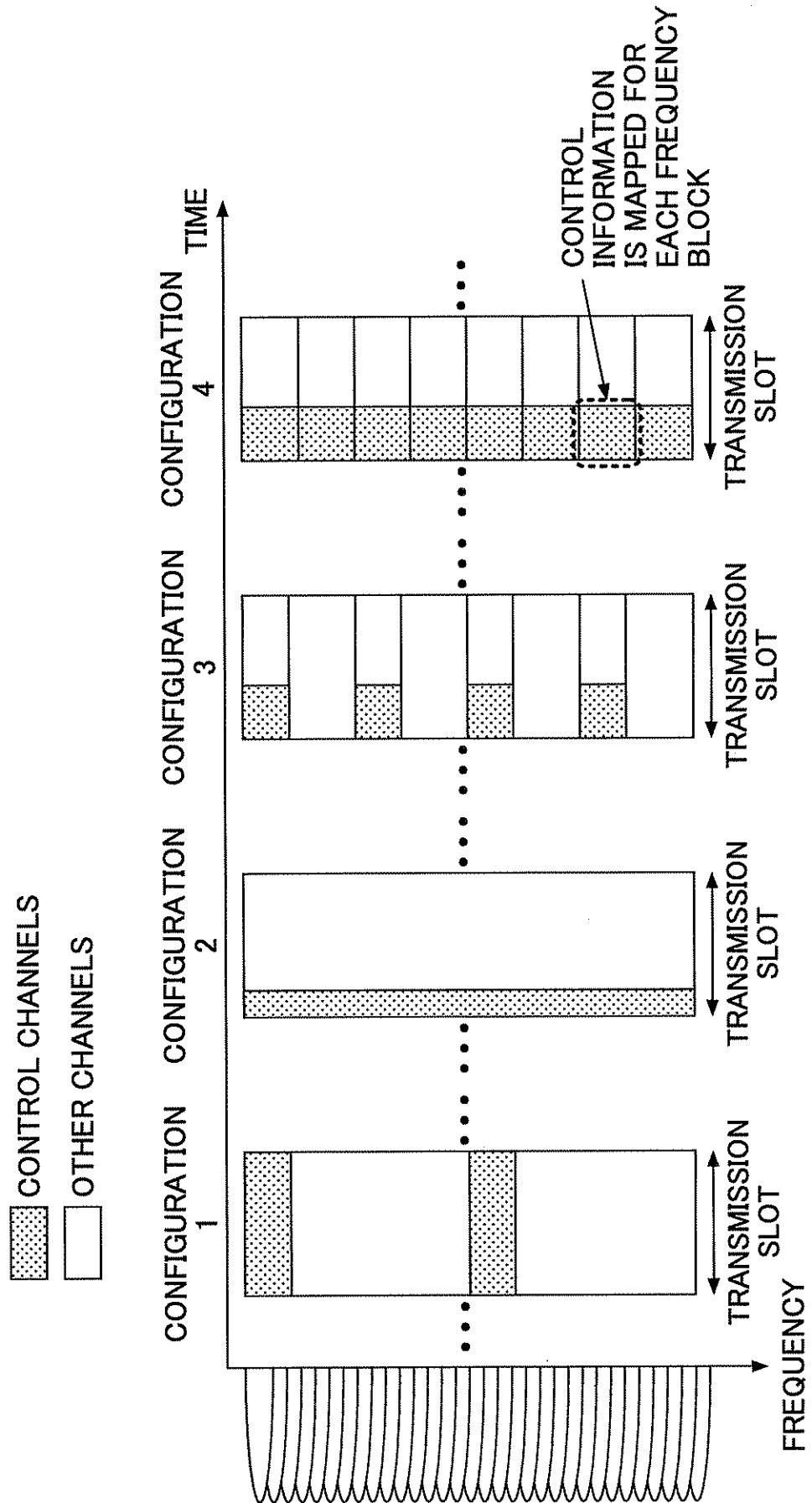


FIG.15A

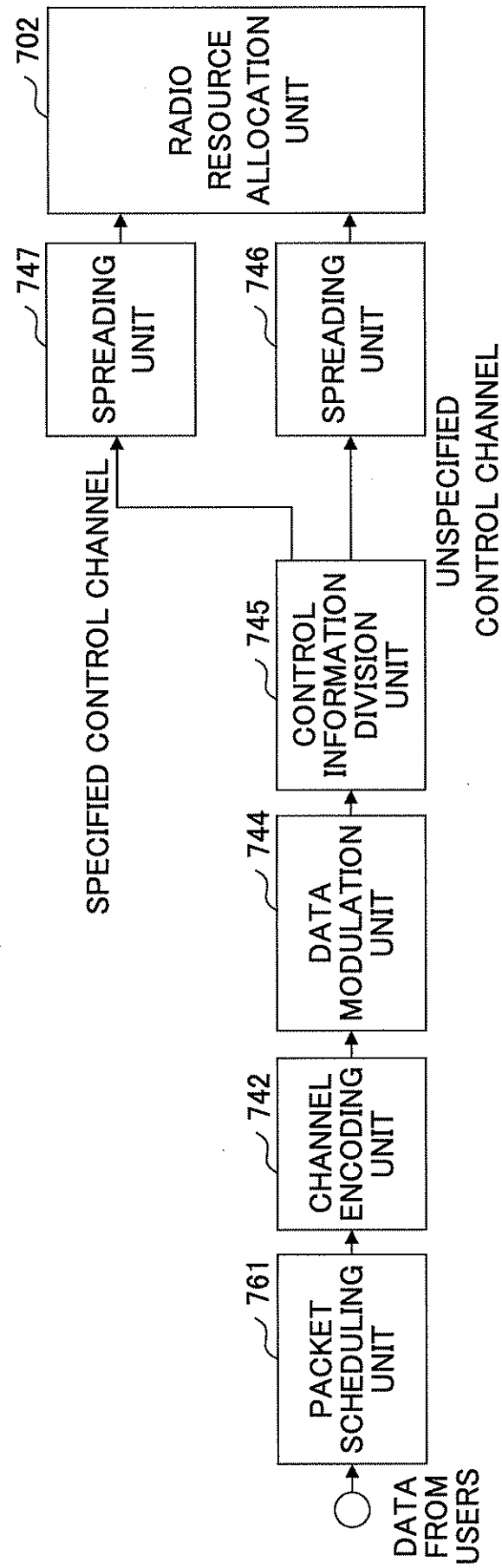


FIG.15B

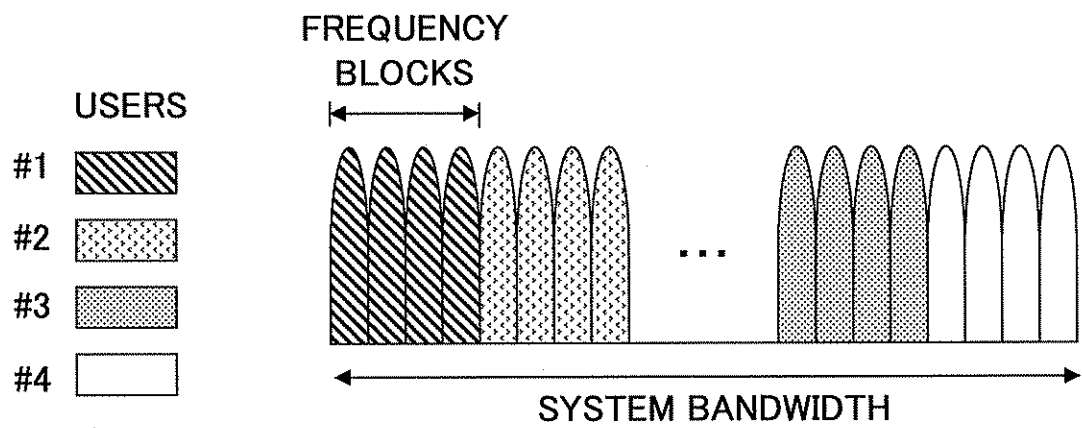


FIG.15C

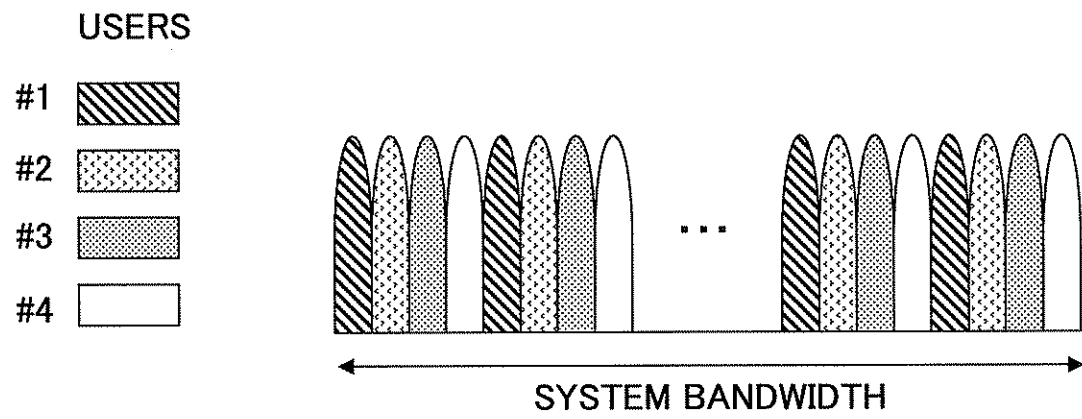


FIG.16

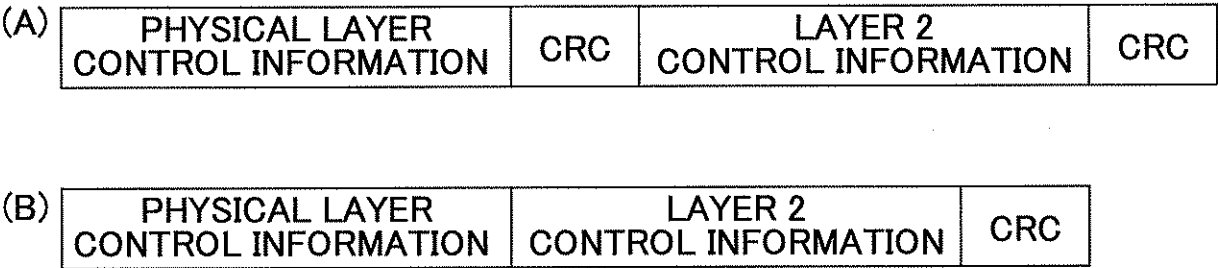


FIG.17

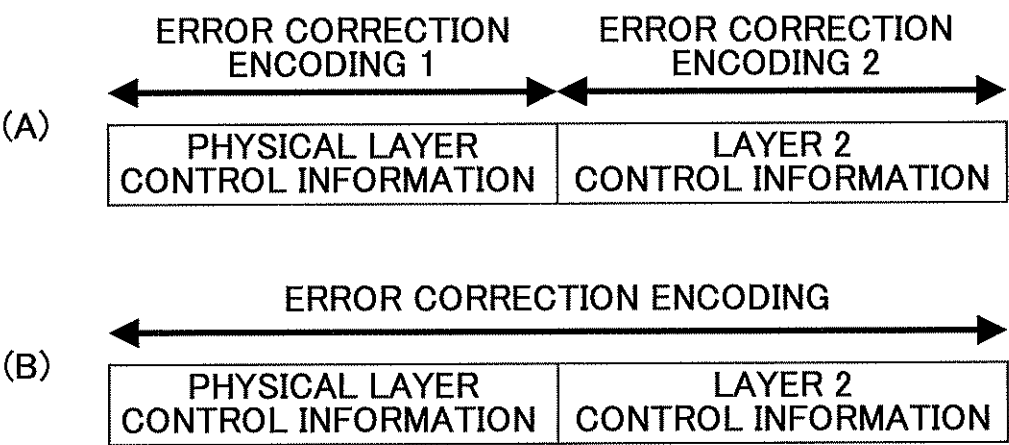


FIG.18

METHODS	FREQUENCY RANGE SCHEDULING	DATA MODULATION	CHANNEL CODING RATES	HYBRID ARQ	CHARACTERISTICS	OVERHEAD
METHOD 1	PER FREQUENCY BLOCK	PER FREQUENCY BLOCK	PER FREQUENCY BLOCK	PER FREQUENCY BLOCK	⊙	x
METHOD 2	PER FREQUENCY BLOCK	PER FREQUENCY BLOCK	PER TTI	PER FREQUENCY BLOCK	⊙	x
METHOD 3	PER FREQUENCY BLOCK	PER FREQUENCY BLOCK	PER PACKET	PER FREQUENCY BLOCK	⊙	x
METHOD 4	PER FREQUENCY BLOCK	PER FREQUENCY BLOCK	PER FREQUENCY BLOCK	PER PACKET	○	Δ
METHOD 5	PER FREQUENCY BLOCK	PER FREQUENCY BLOCK	PER TTI	PER PACKET	○	Δ
METHOD 6	PER FREQUENCY BLOCK	PER FREQUENCY BLOCK	PER PACKET	PER PACKET	○	Δ
METHOD 7	PER FREQUENCY BLOCK	PER FREQUENCY BLOCK	PER FREQUENCY BLOCK	PER TTI	Δ	○
METHOD 8	PER FREQUENCY BLOCK	PER FREQUENCY BLOCK	PER TTI	PER TTI	Δ	○
METHOD 9	PER FREQUENCY BLOCK	PER FREQUENCY BLOCK	PER PACKET	PER TTI	Δ	○
METHOD 10	PER FREQUENCY BLOCK	PER TTI	PER TTI	PER TTI	x	⊙

FIG.19

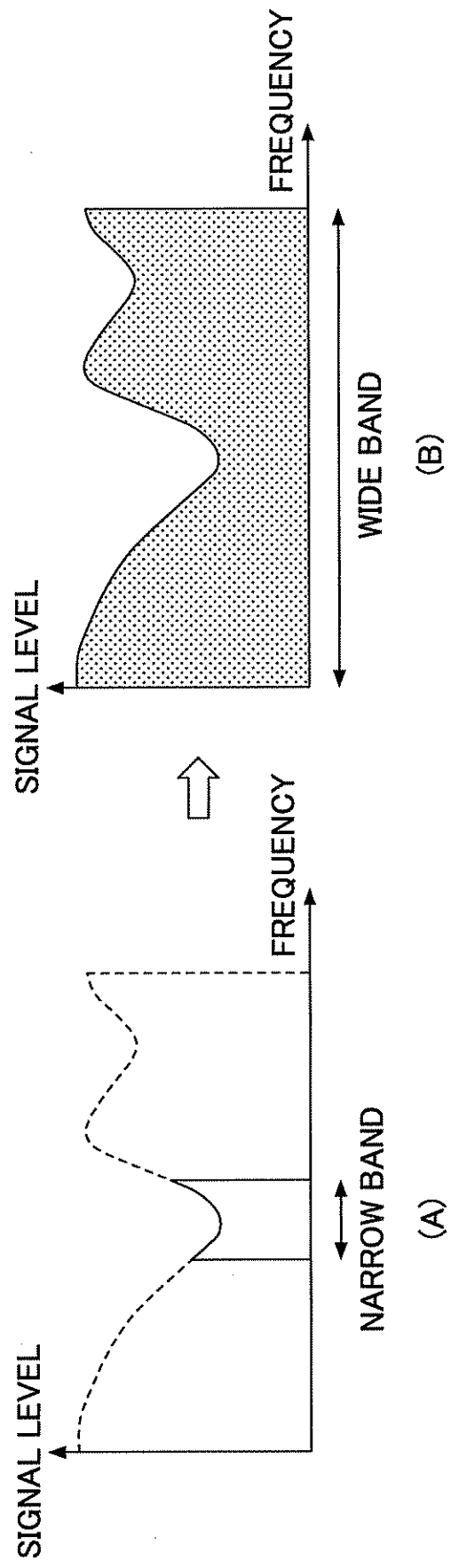


FIG.20

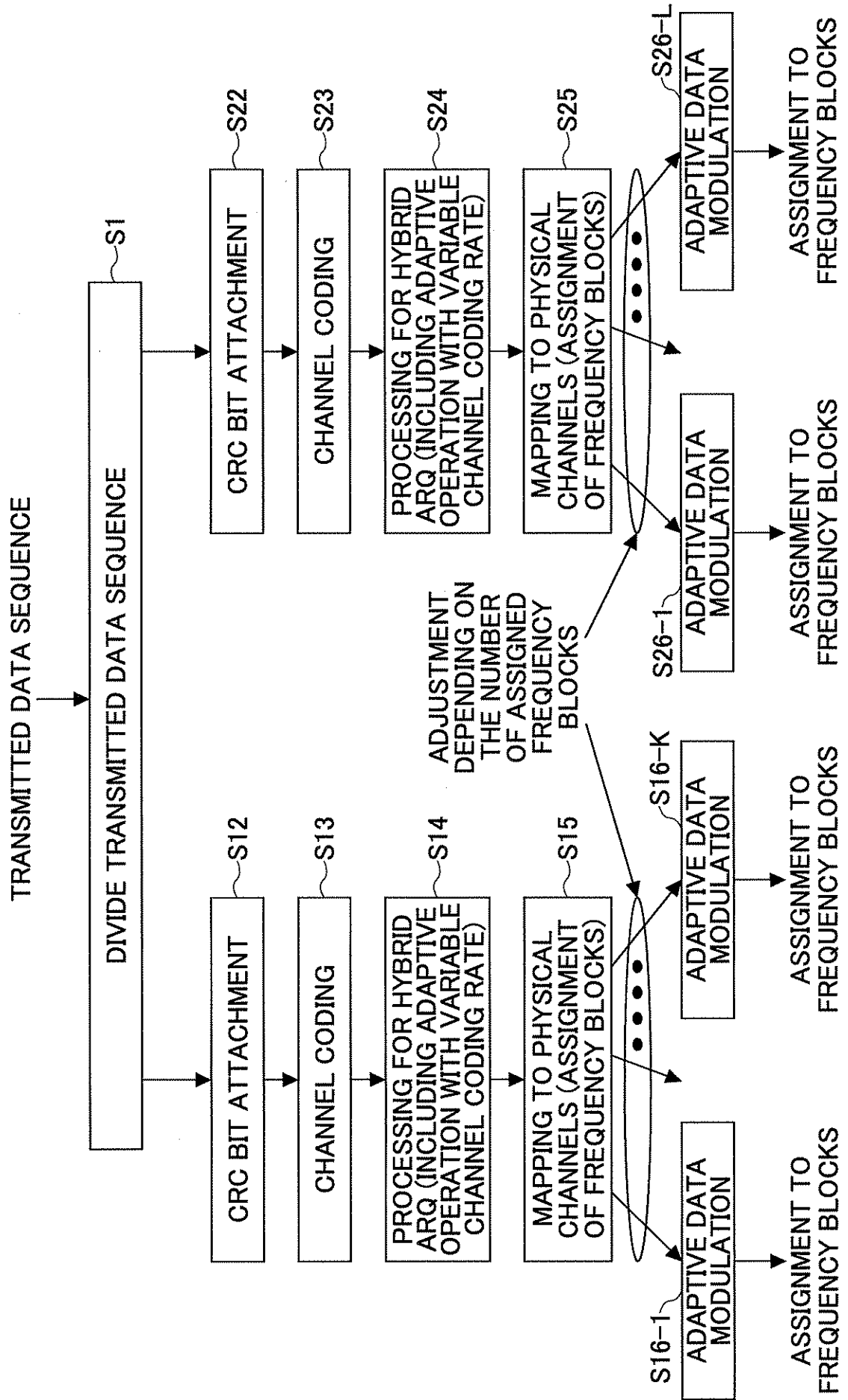


FIG.21

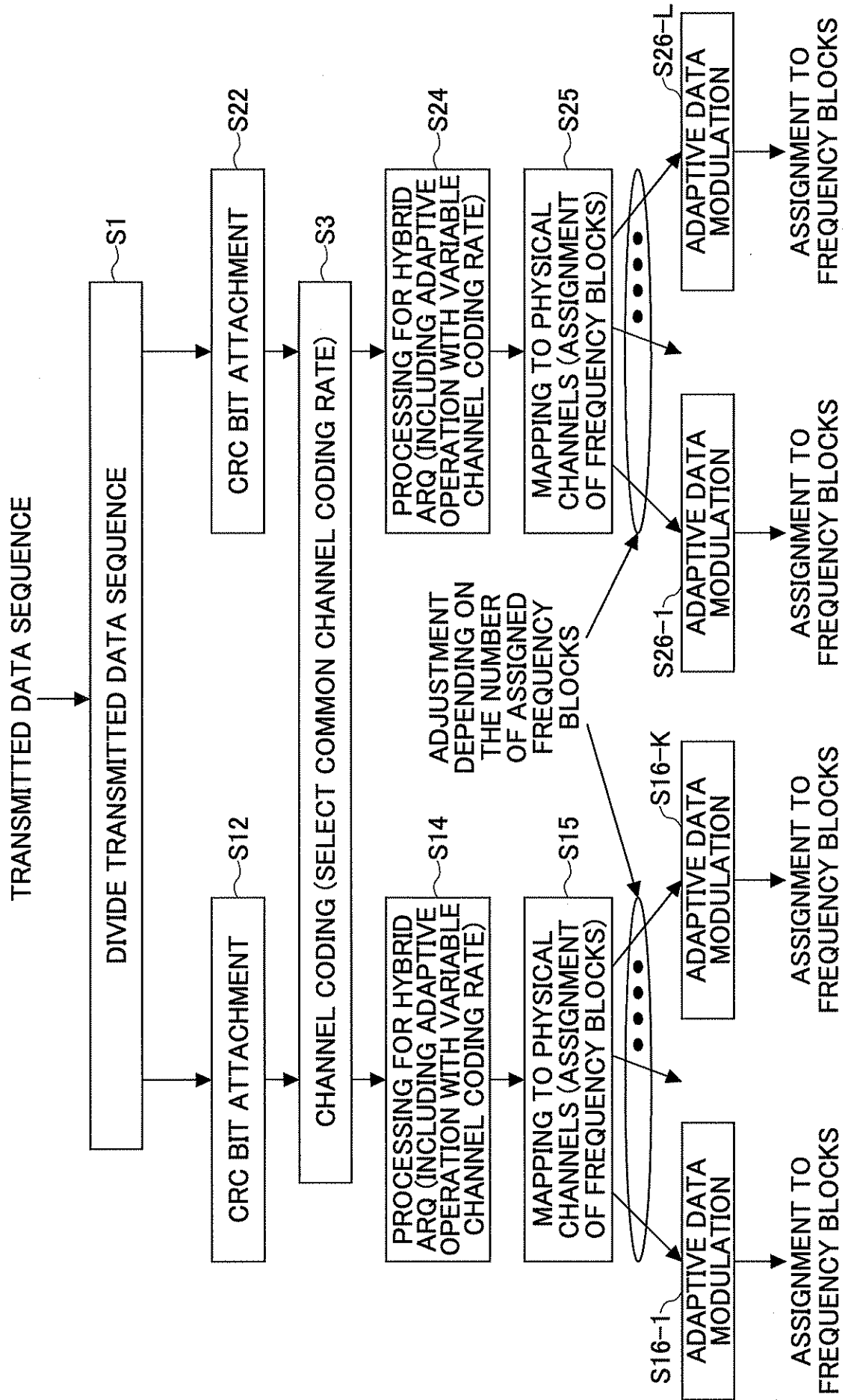


FIG.22

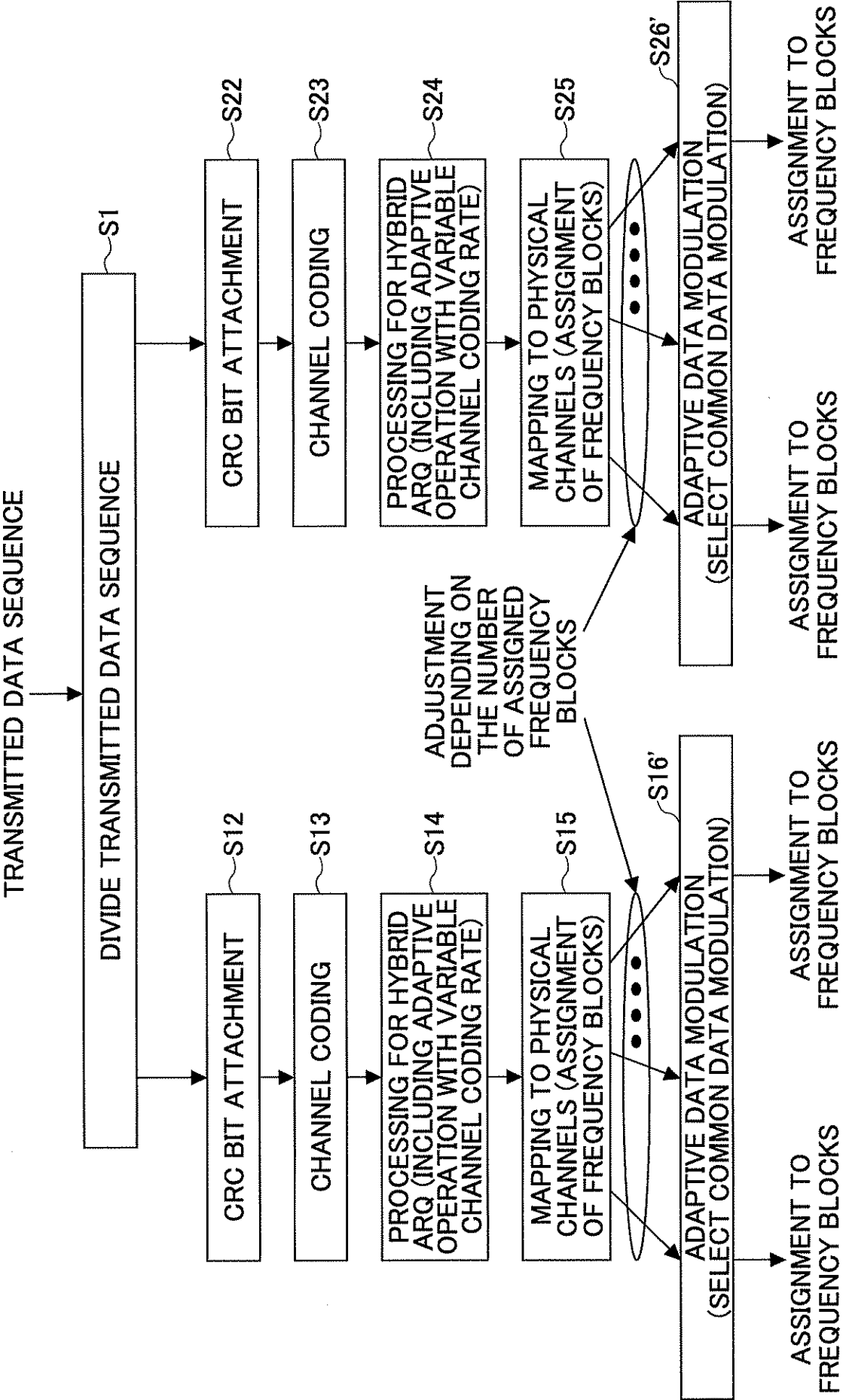


FIG.23

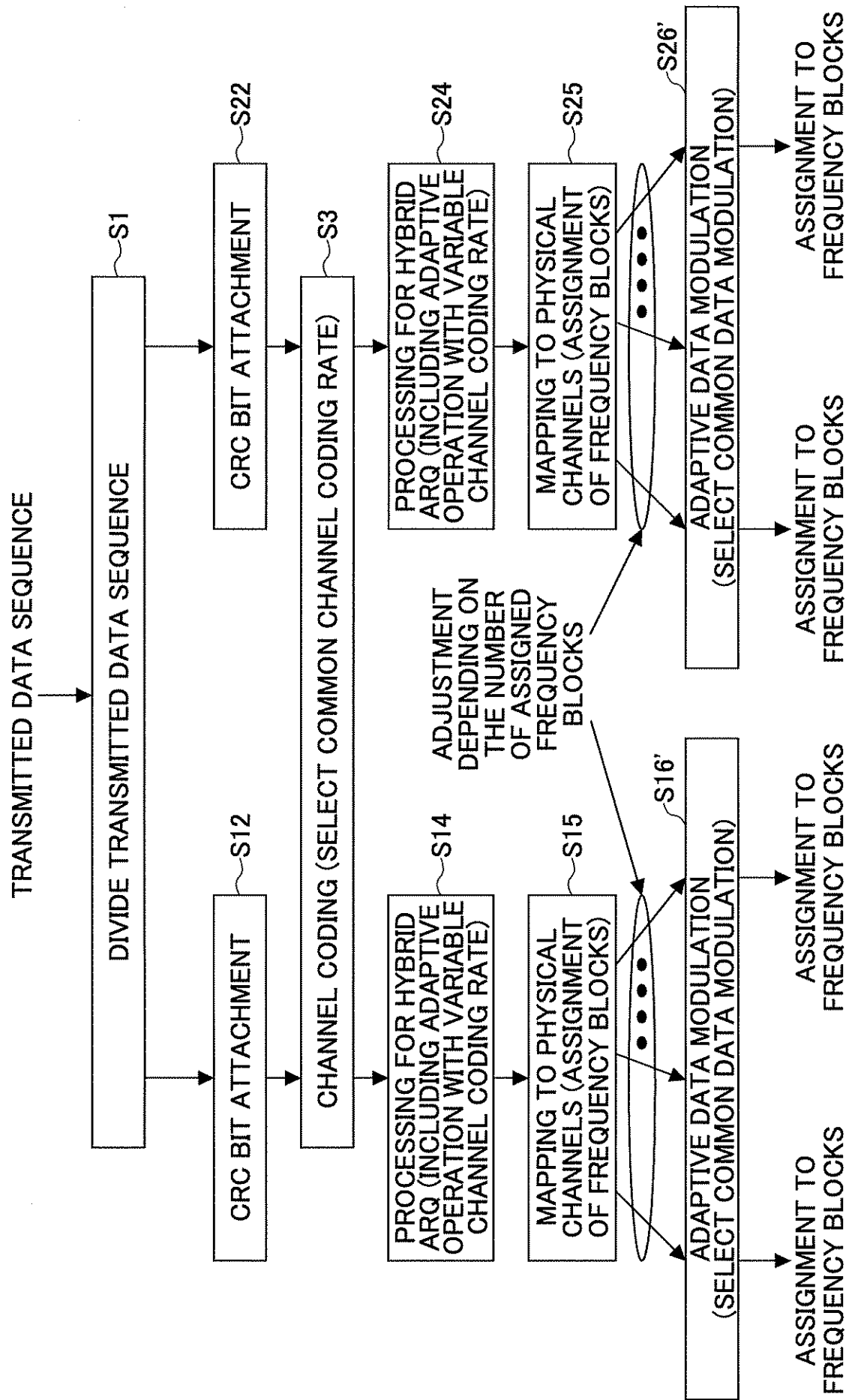
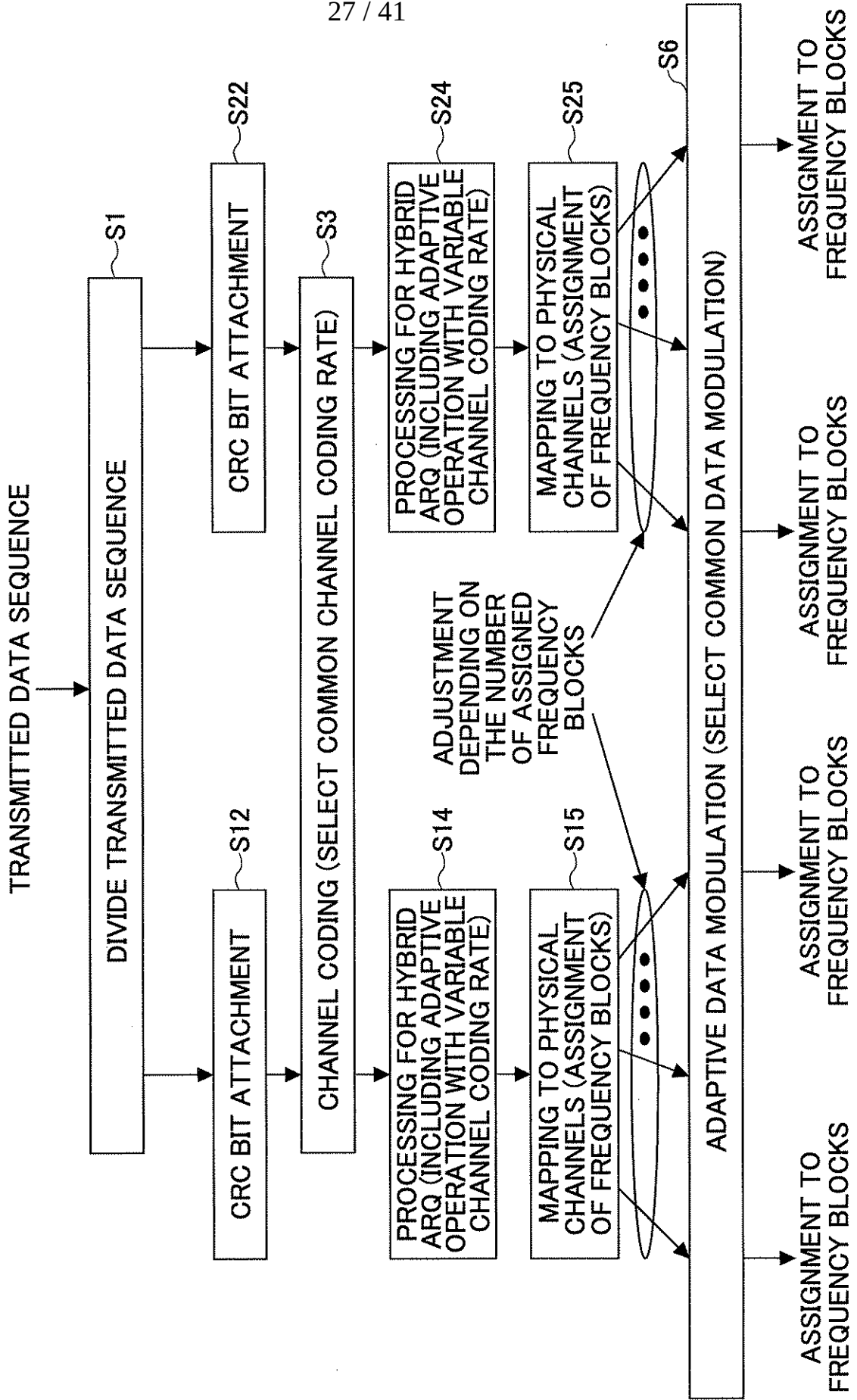


FIG.24



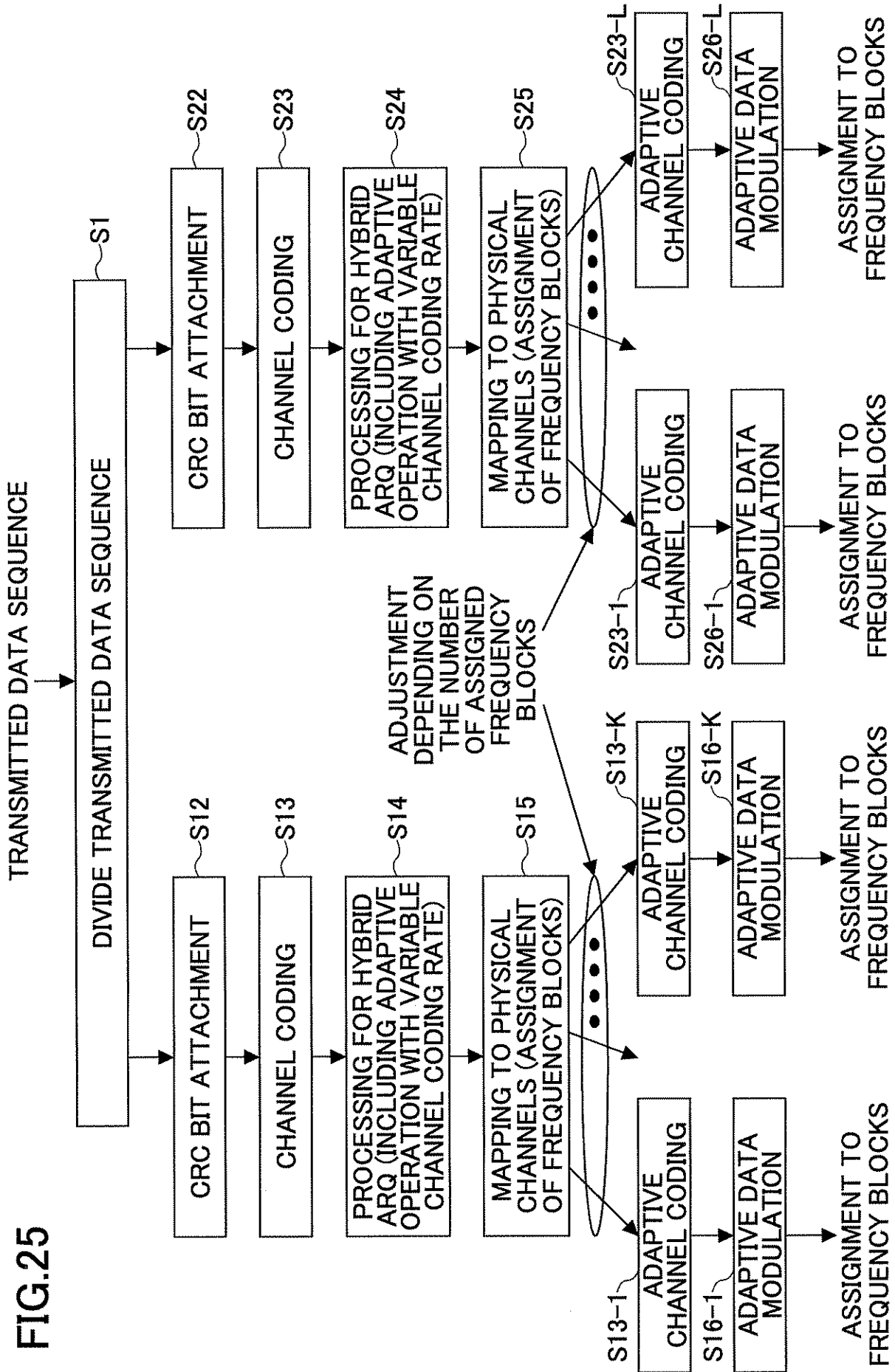


FIG.26

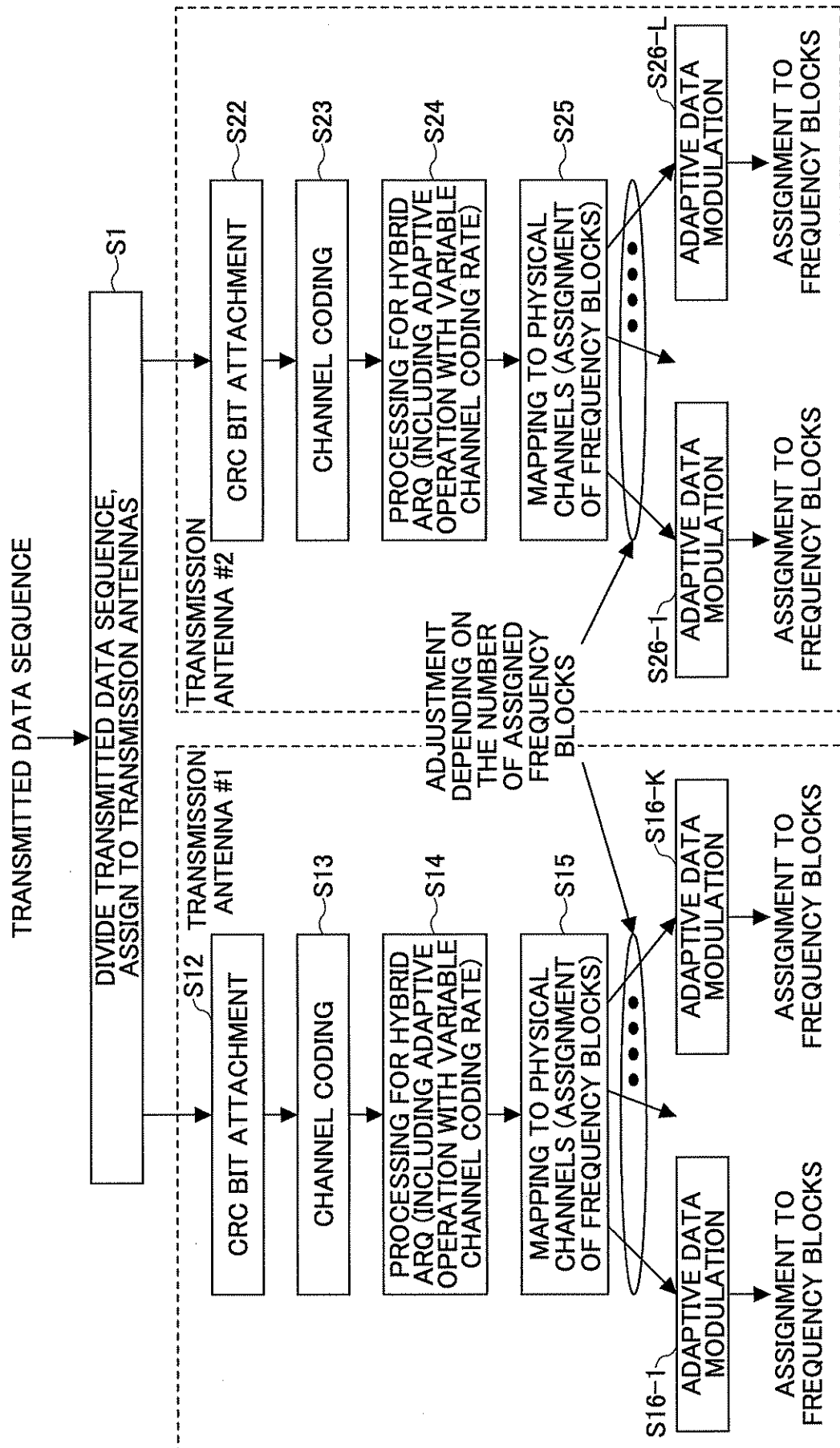


FIG.27

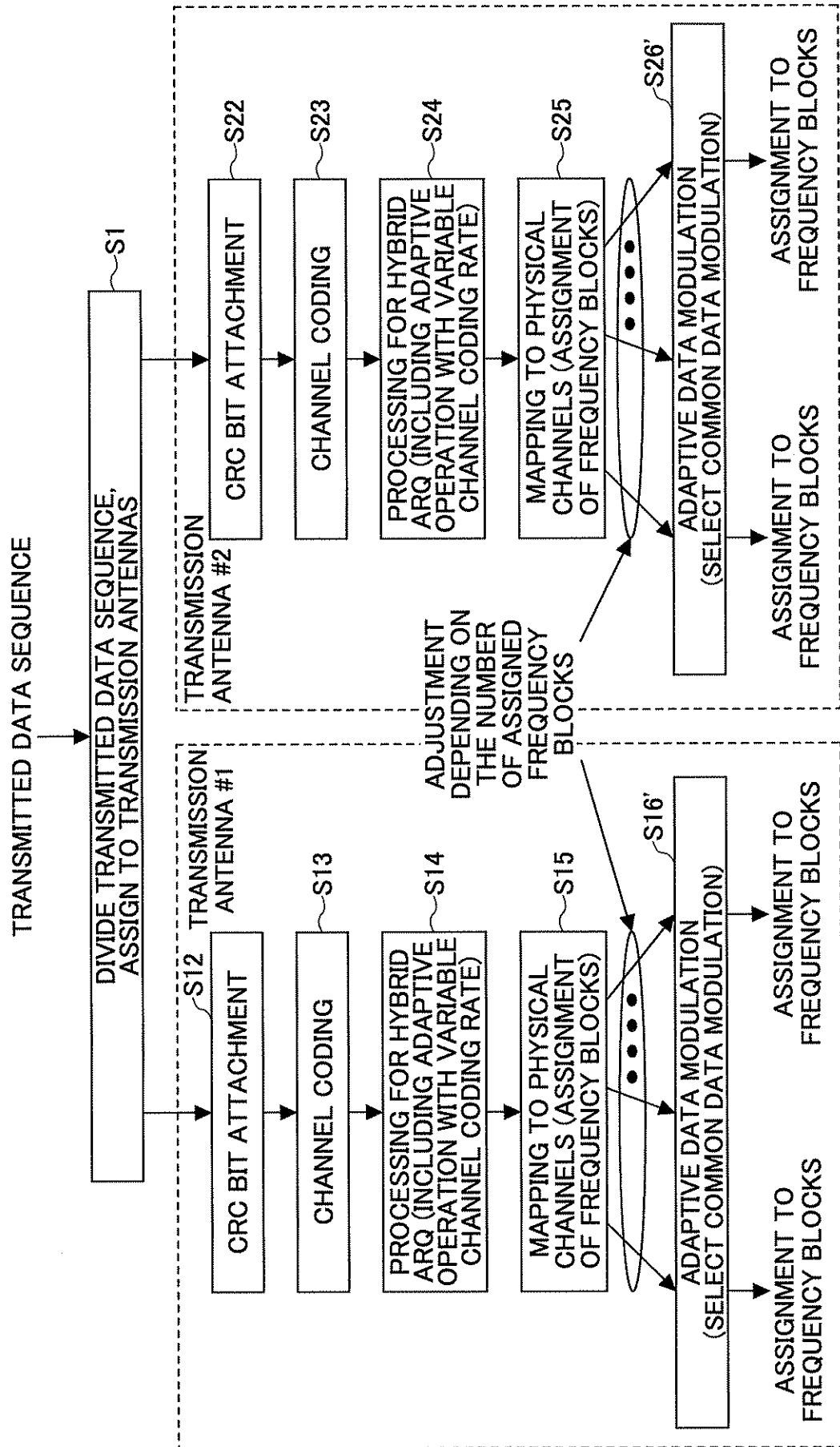


FIG.28

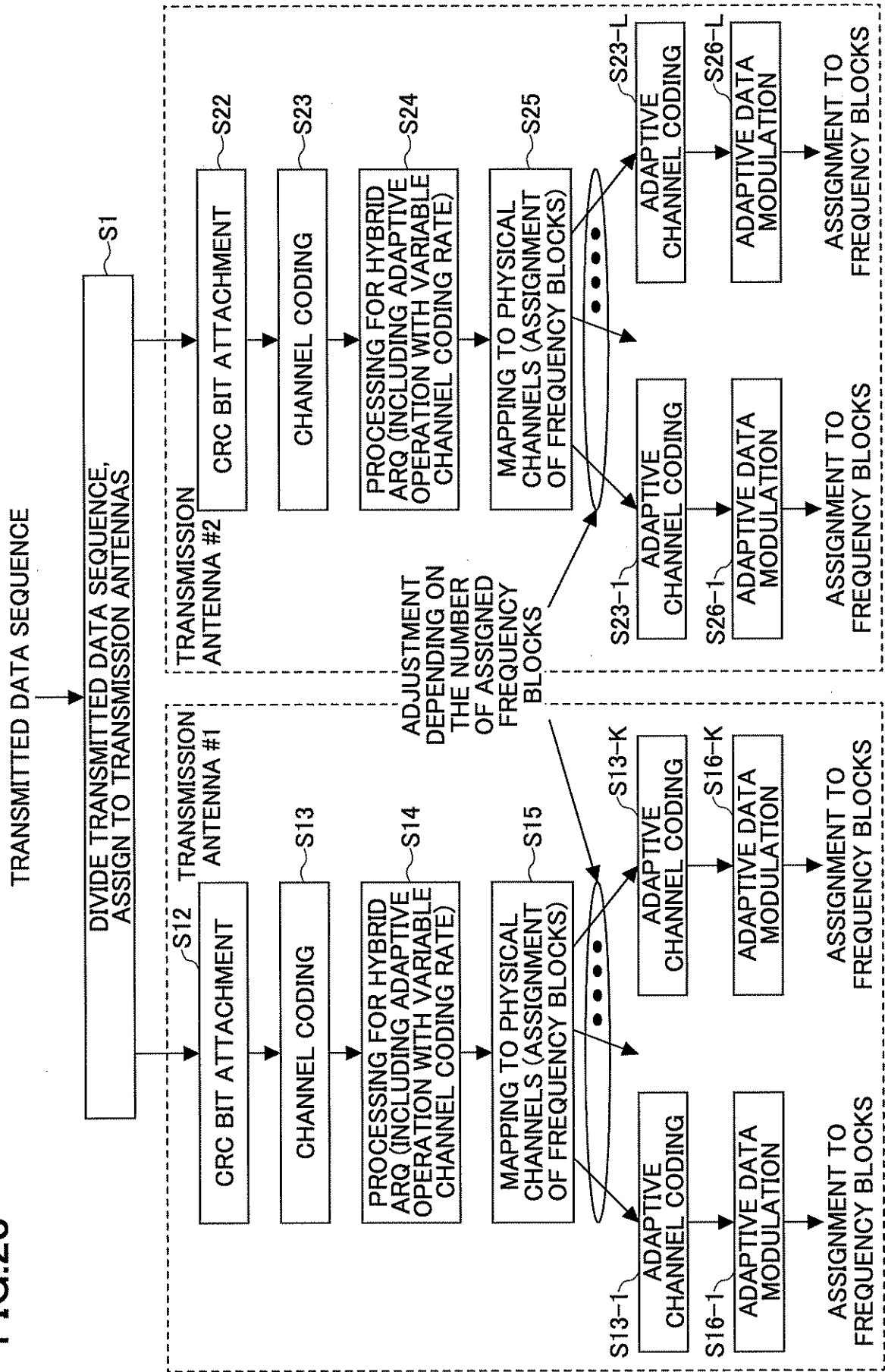


FIG.29

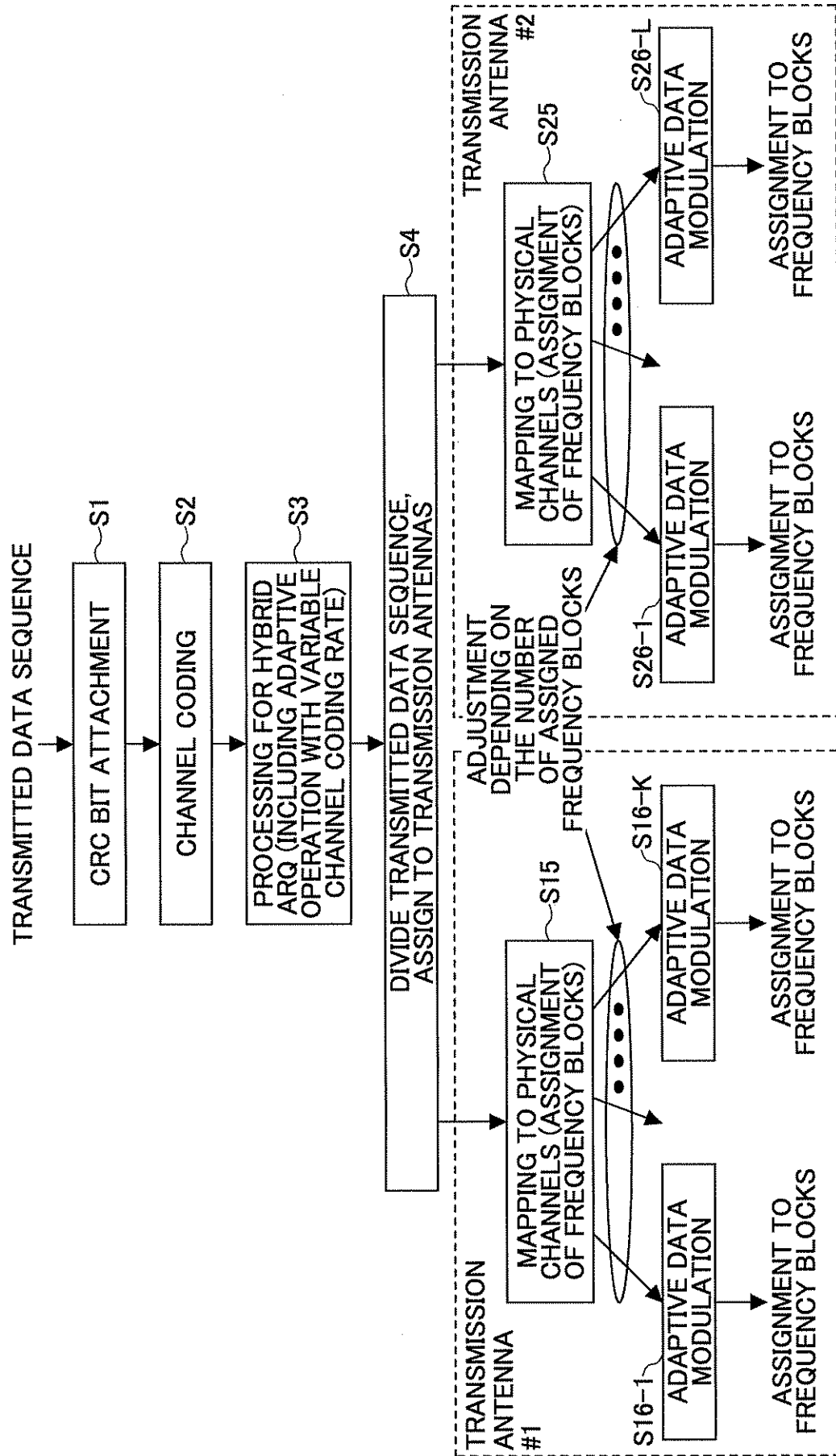


FIG.30

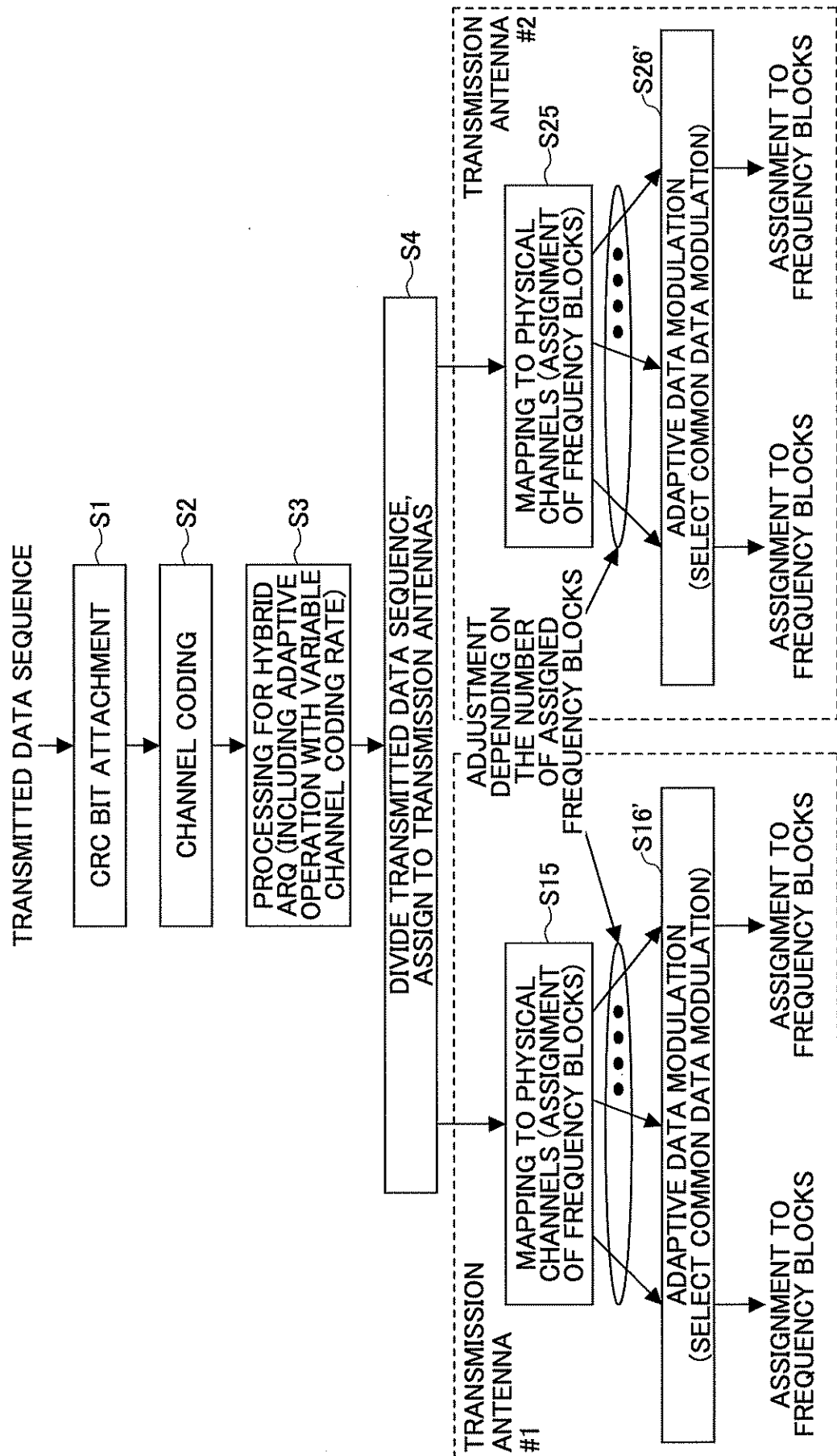


FIG.31

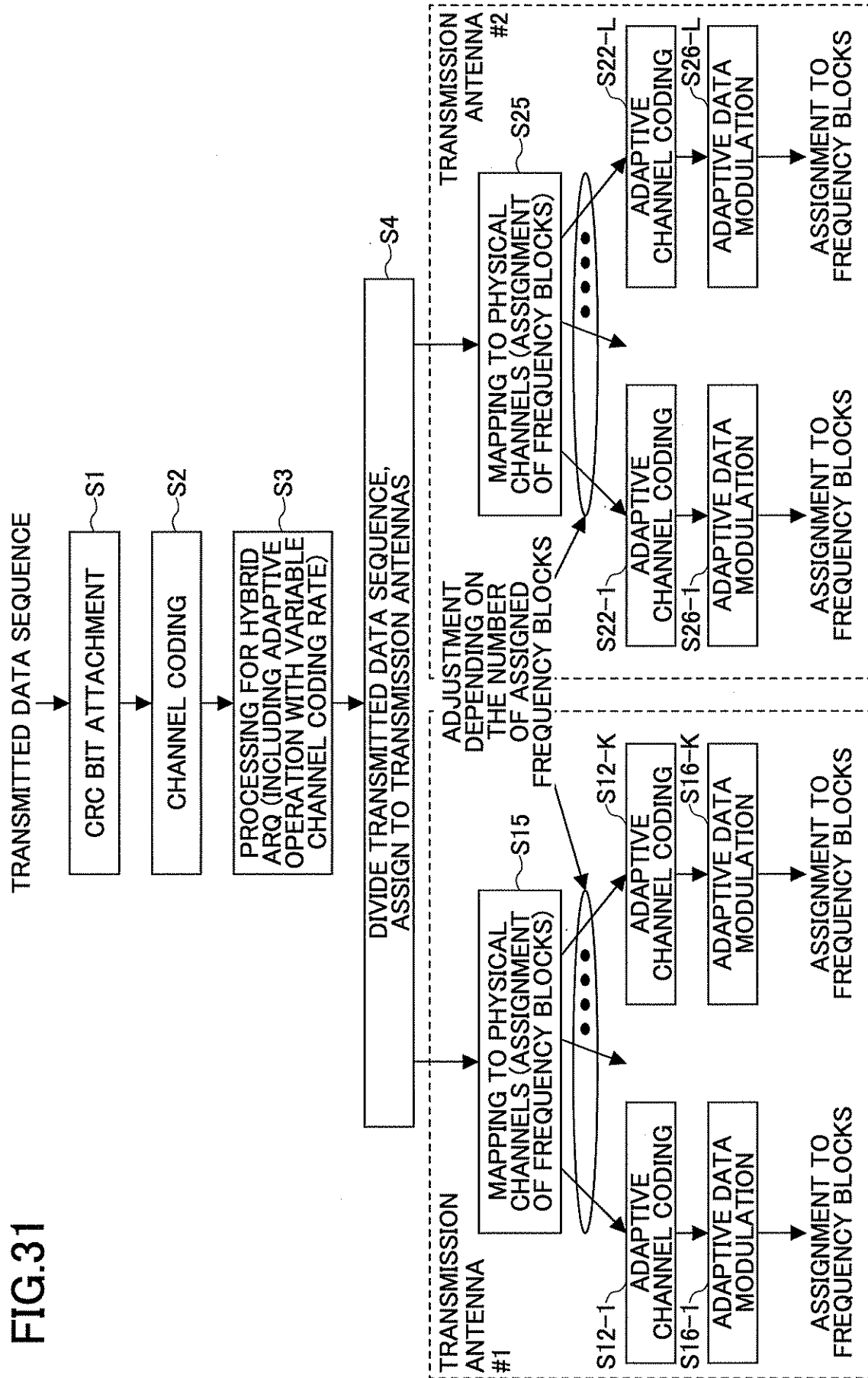


FIG.33

DATA MODULATIONS	TRANSMISSION POWER
QPSK	P_1
16QAM	P_2
64QAM	P_3
⋮	⋮
NO TRANSMISSION	0

FIG.34

MCS NUMBERS	DATA MODULATIONS	CHANNEL CODING RATES	TRANSMISSION POWER
MCS1	QPSK	1/3	P_1
MCS2	QPSK	1/2	P_2
MCS3	QPSK	2/3	P_3
MCS4	QPSK	6/7	P_4
MCS5	16QAM	1/2	P_5
⋮	⋮	⋮	⋮
NO TRANSMISSION			0

FIG.35A

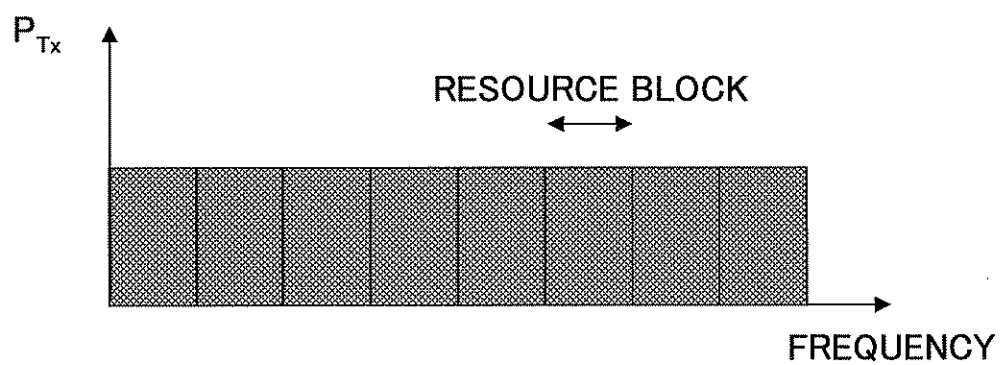


FIG.35B

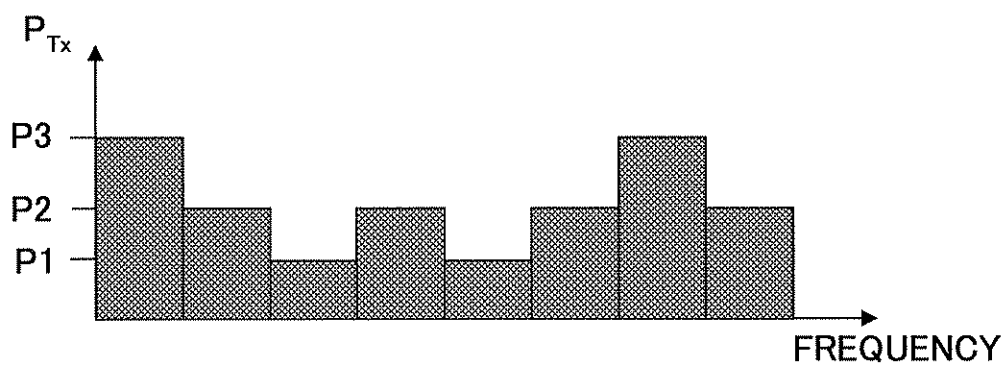


FIG.36

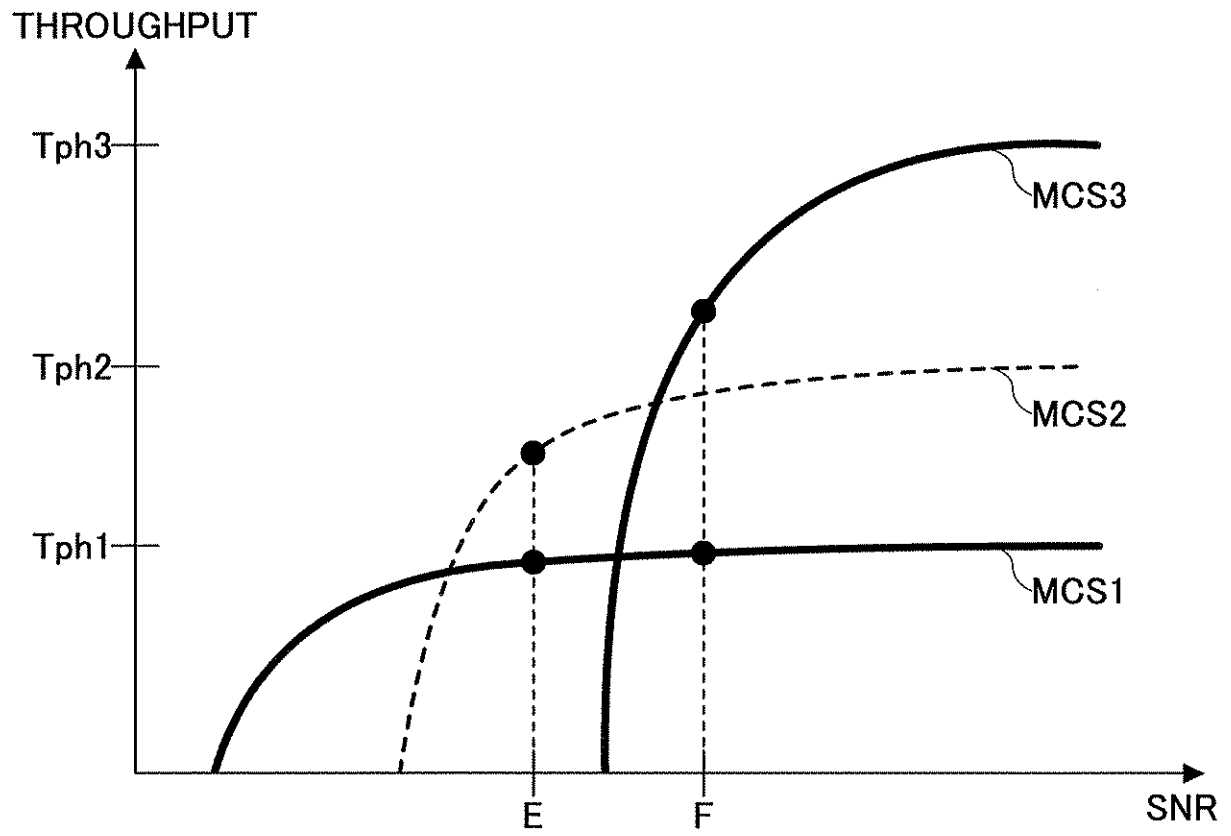


FIG.37

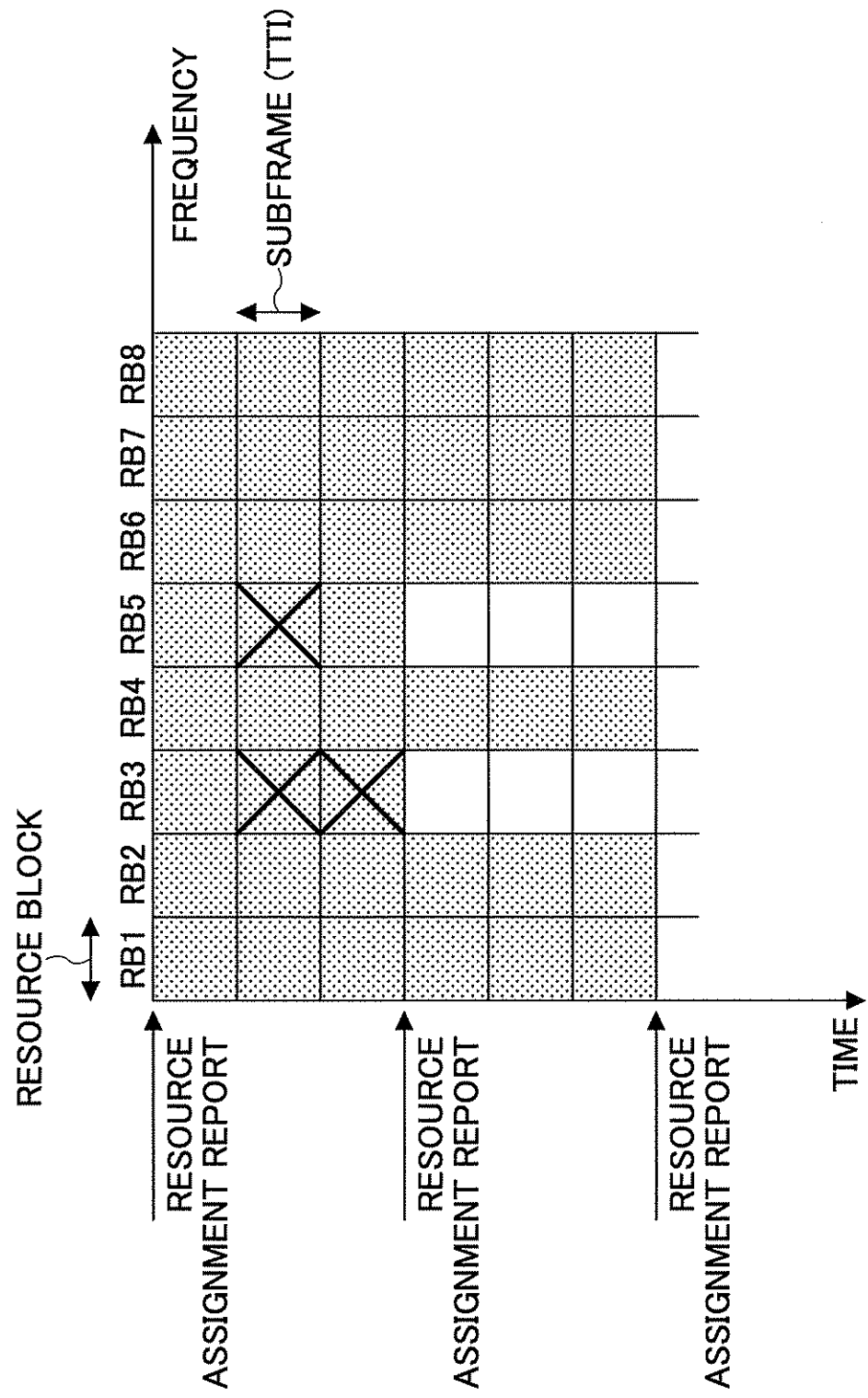


FIG.38

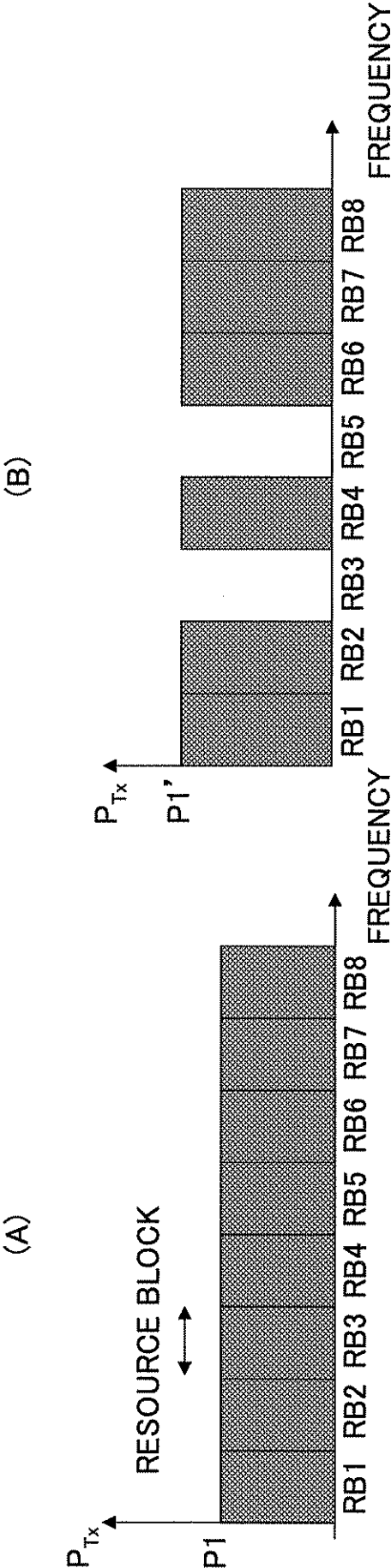
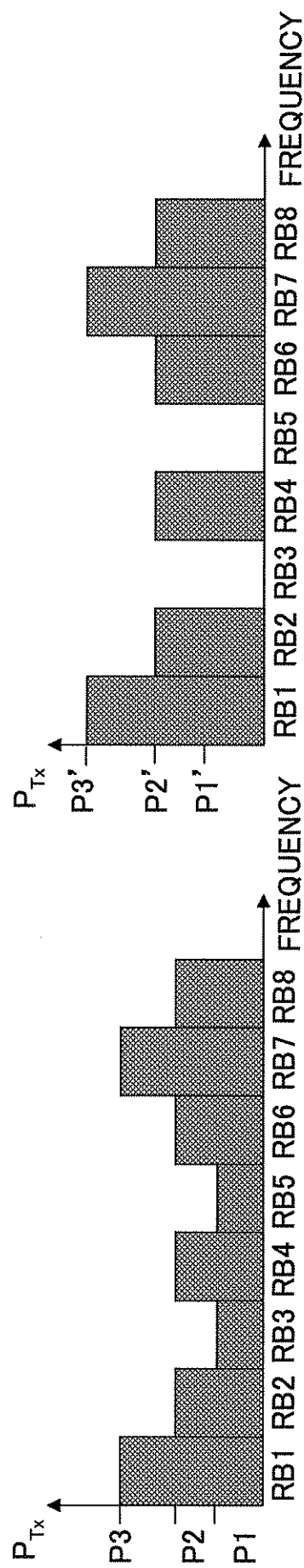


FIG.39

(A)



(B)

