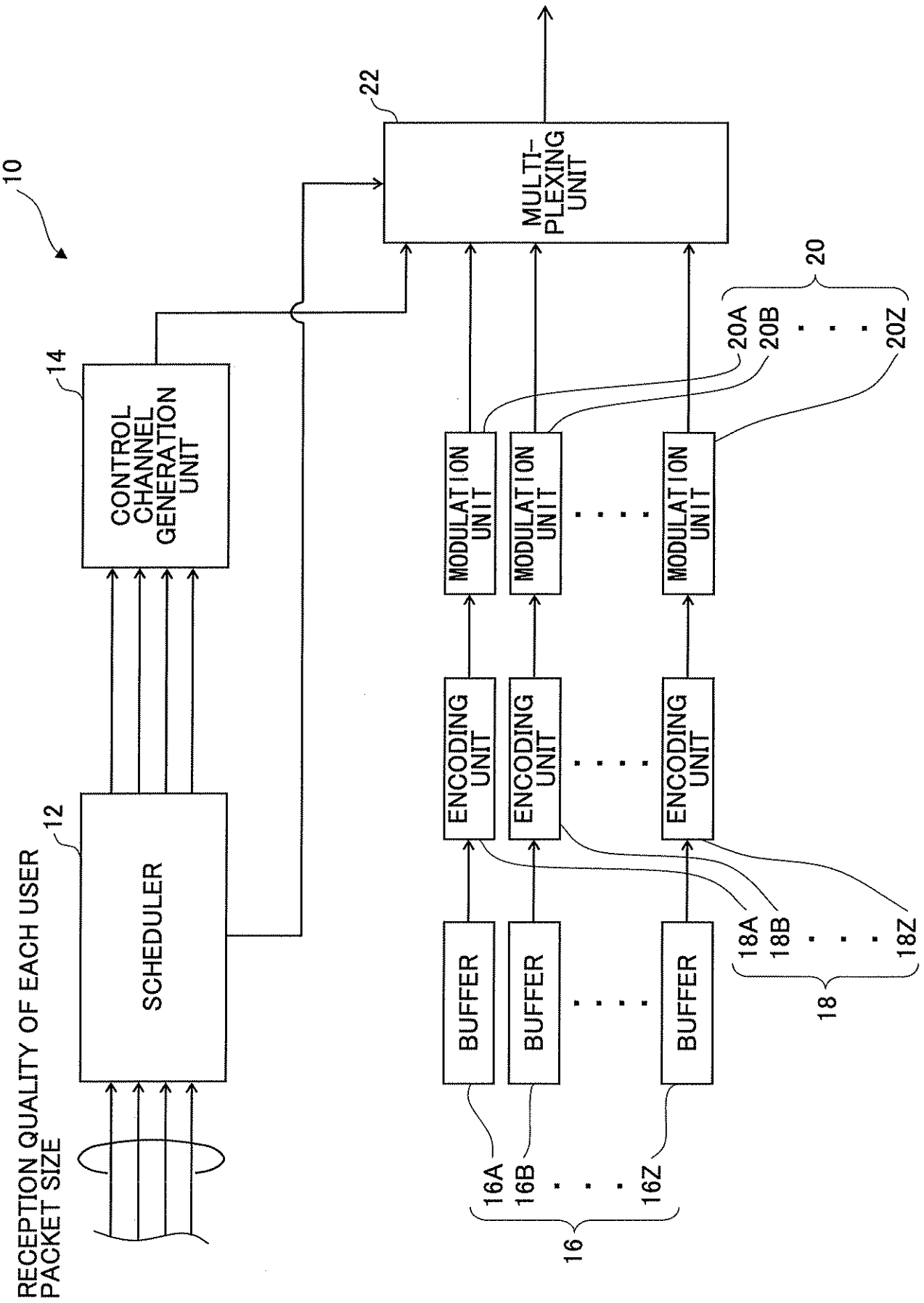
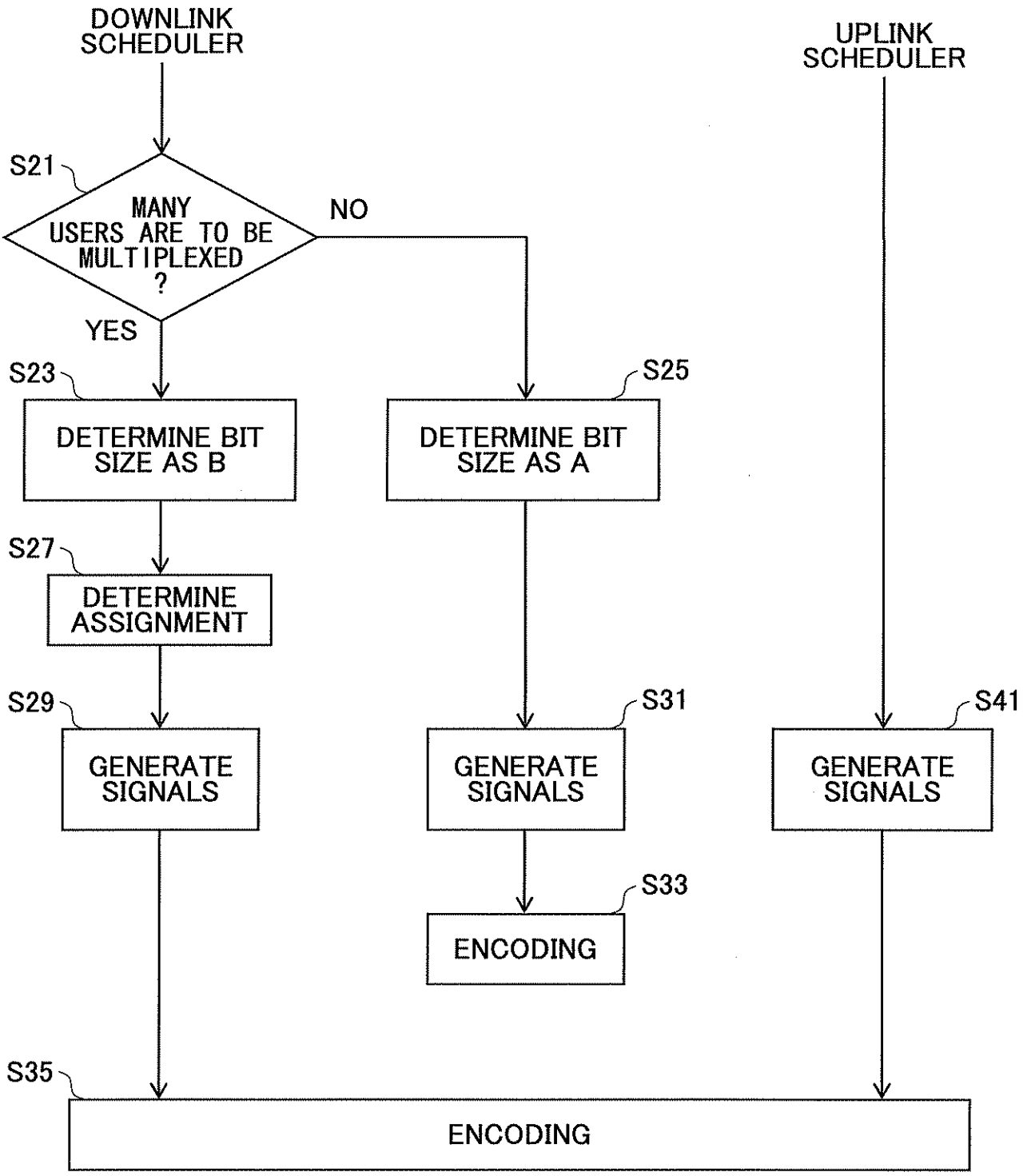

10
22
MULTI-
PLEXING
UNIT
14
CONTROL
CHANNEL
GENERATION
UNIT
12
SCHEDULER
RECEPTION QUALITY OF EACH USER
PACKET SIZE
MODULATION
UNIT
ENCODING
UNIT
BUFFER
16A
16B
16Z
16
18A
18B
18Z
18
20A
20B
20Z
20

FIG.1

FIG.2


DOWNLINK SCHEDULER
UPLINK SCHEDULER
S21
MANY USERS ARE TO BE MULTIPLEXED ?
NO
YES
S23
DETERMINE BIT SIZE AS B
S25
DETERMINE BIT SIZE AS A
S27
DETERMINE ASSIGNMENT
S29
GENERATE SIGNALS
S31
GENERATE SIGNALS
S33
ENCODING
S41
GENERATE SIGNALS
S35
ENCODING