FIG.1

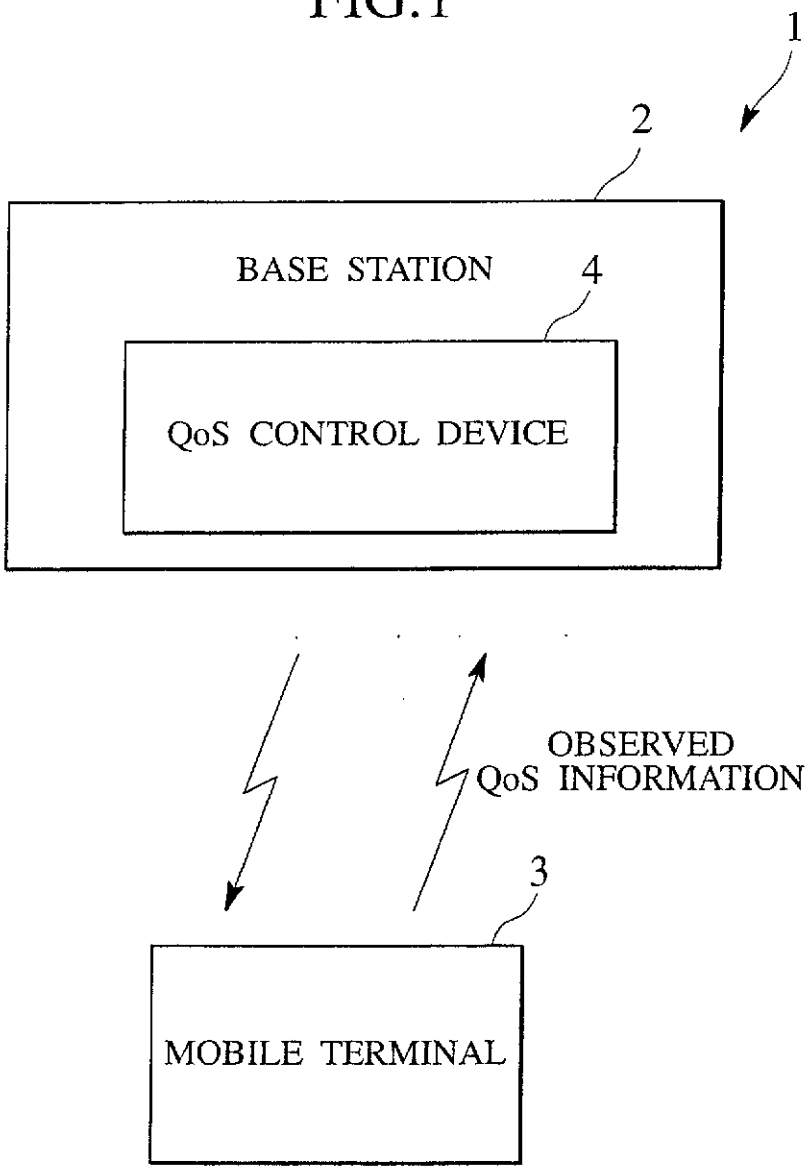

1
2
BASE STATION
4
QoS CONTROL DEVICE
OBSERVED
QoS INFORMATION
3
MOBILE TERMINAL

FIG.2

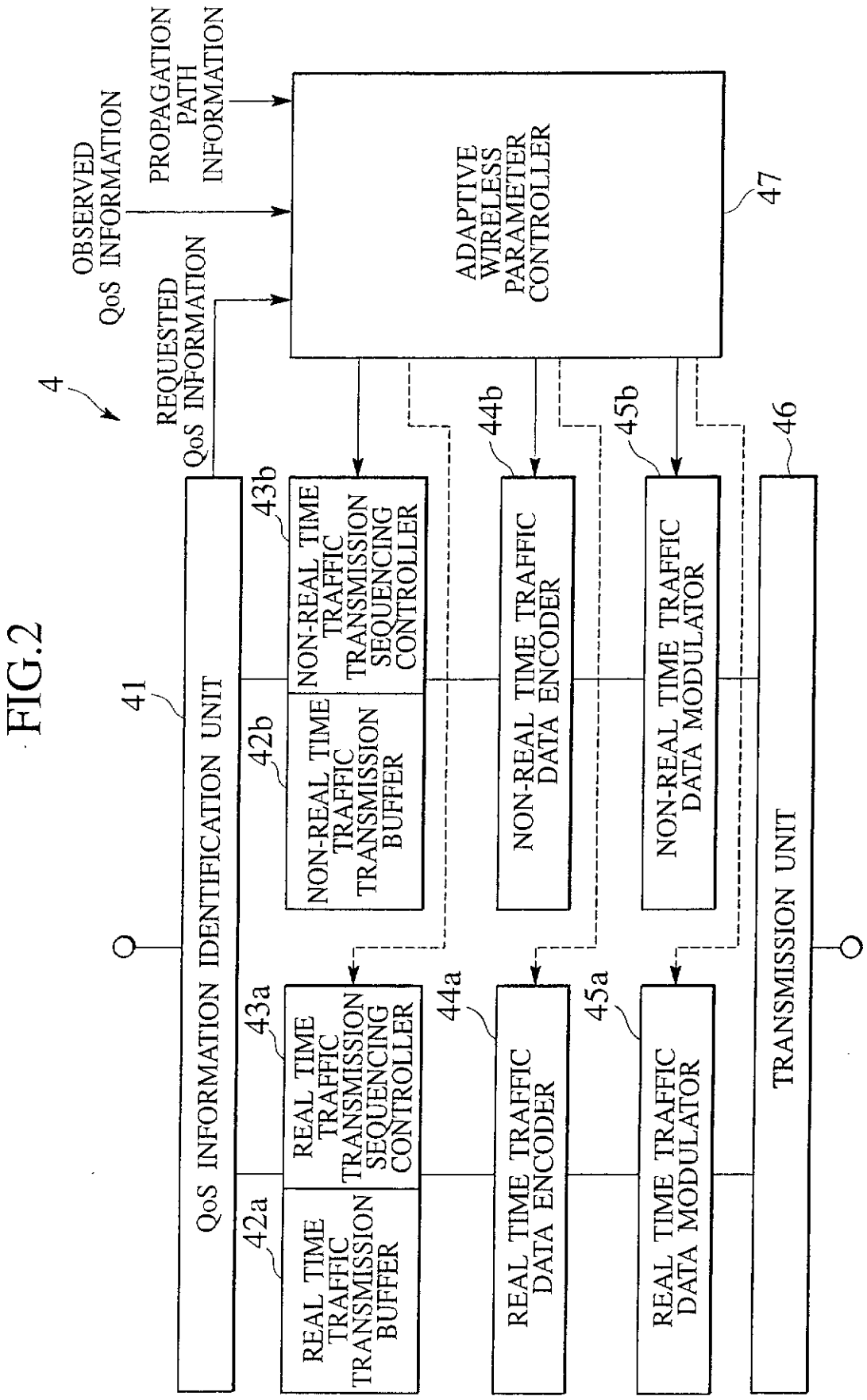

4
OBSERVED QoS INFORMATION
PROPAGATION PATH INFORMATION
REQUESTED QoS INFORMATION
ADAPTIVE WIRELESS PARAMETER CONTROLLER
47
41
QoS INFORMATION IDENTIFICATION UNIT
42a
REAL TIME TRAFFIC TRANSMISSION BUFFER
43a
REAL TIME TRAFFIC TRANSMISSION SEQUENCING CONTROLLER
42b
NON-REAL TIME TRAFFIC TRANSMISSION BUFFER
43b
NON-REAL TIME TRAFFIC TRANSMISSION SEQUENCING CONTROLLER
44a
REAL TIME TRAFFIC DATA ENCODER
44b
NON-REAL TIME TRAFFIC DATA ENCODER
45a
REAL TIME TRAFFIC DATA MODULATOR
45b
NON-REAL TIME TRAFFIC DATA MODULATOR
46
TRANSMISSION UNIT

FIG.3

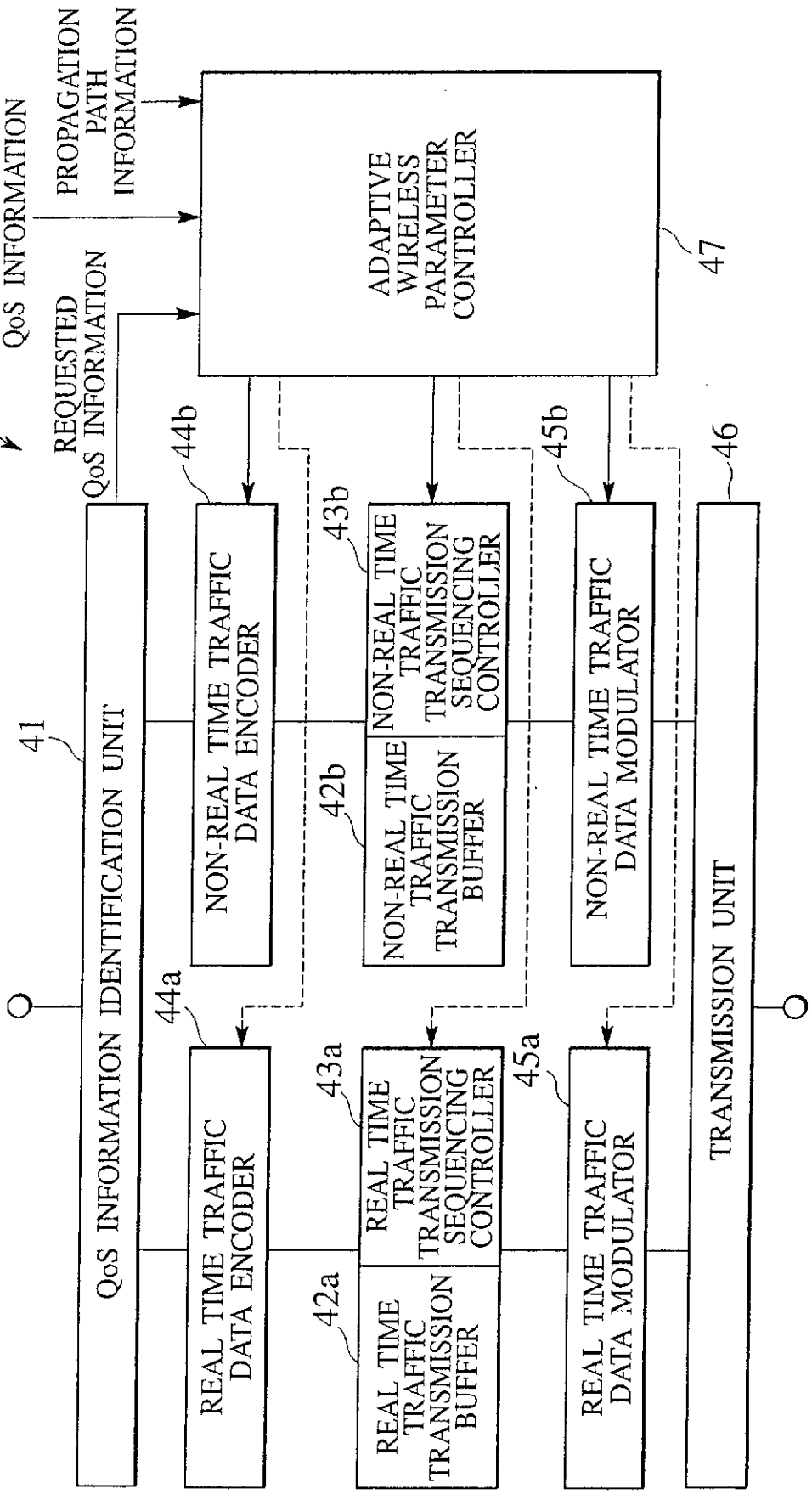
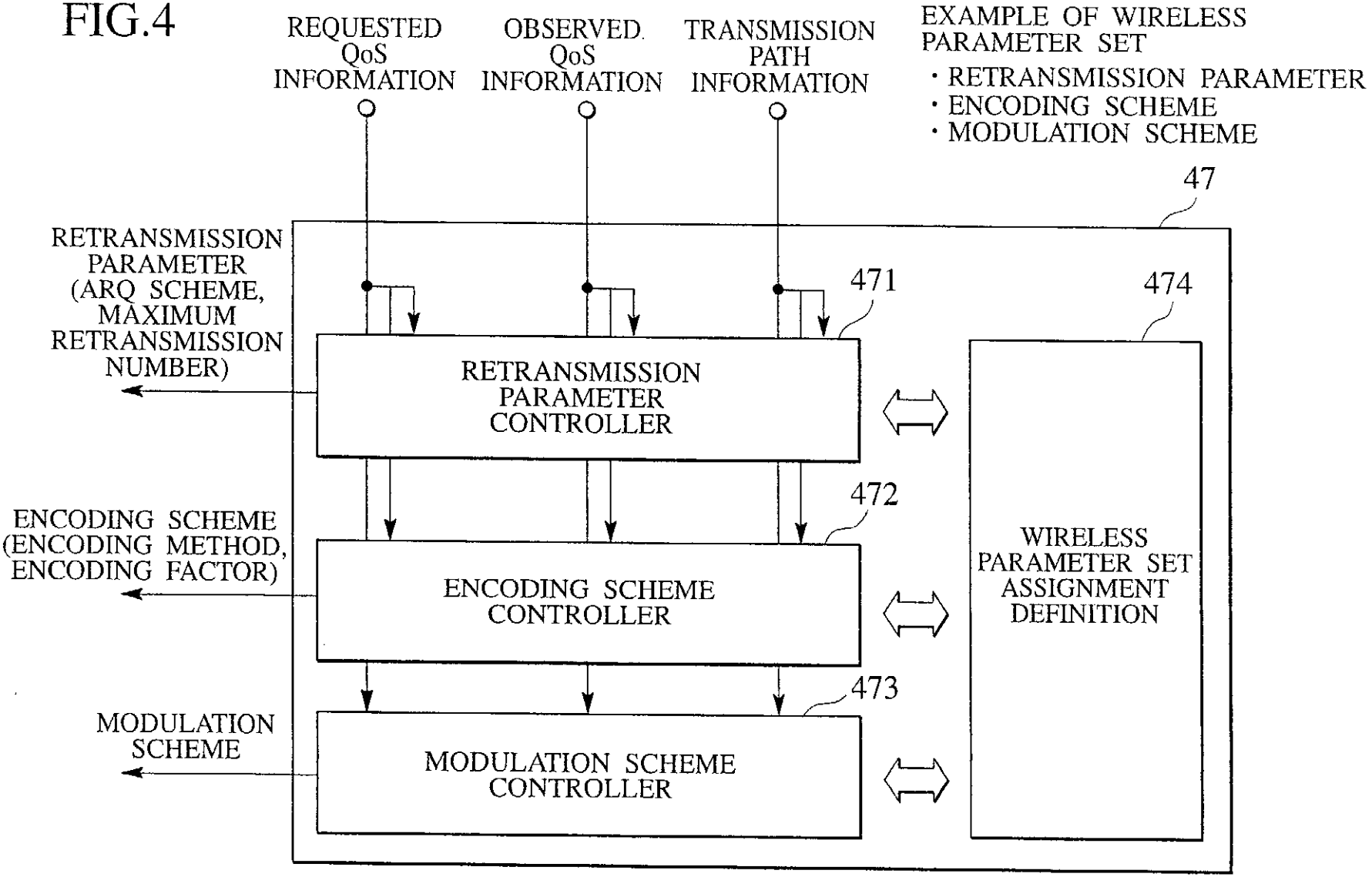
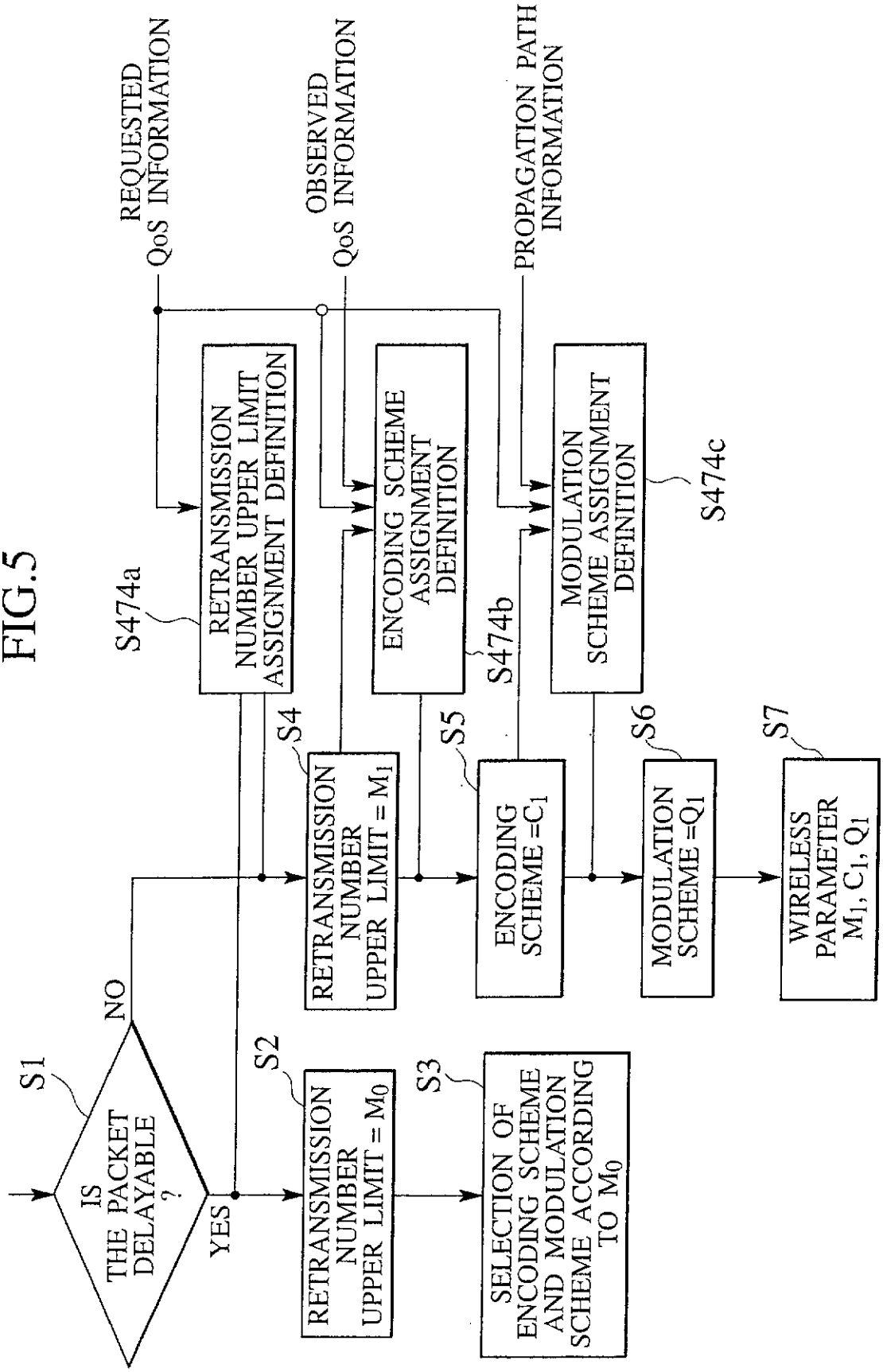

4a
OBSERVED QoS INFORMATION
PROPAGATION PATH INFORMATION
REQUESTED QoS INFORMATION
ADAPTIVE WIRELESS PARAMETER CONTROLLER
47
41
QoS INFORMATION IDENTIFICATION UNIT
44b
NON-REAL TIME TRAFFIC DATA ENCODER
43b
NON-REAL TIME TRAFFIC TRANSMISSION SEQUENCING CONTROLLER
42b
NON-REAL TIME TRAFFIC TRANSMISSION BUFFER
45b
NON-REAL TIME TRAFFIC DATA MODULATOR
46
TRANSMISSION UNIT
44a
REAL TIME TRAFFIC DATA ENCODER
43a
REAL TIME TRAFFIC TRANSMISSION SEQUENCING CONTROLLER
42a
REAL TIME TRAFFIC TRANSMISSION BUFFER
45a
REAL TIME TRAFFIC DATA MODULATOR

FIG.4



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FIG.5


REQUESTED QoS INFORMATION
OBSERVED QoS INFORMATION
PROPAGATION PATH INFORMATION
S1
IS THE PACKET DELAYABLE ?
NO
YES
S2
RETRANSMISSION NUMBER UPPER LIMIT = M0
S3
SELECTION OF ENCODING SCHEME AND MODULATION SCHEME ACCORDING TO M0
S474a
RETRANSMISSION NUMBER UPPER LIMIT ASSIGNMENT DEFINITION
S4
RETRANSMISSION NUMBER UPPER LIMIT = M1
S474b
ENCODING SCHEME ASSIGNMENT DEFINITION
S5
ENCODING SCHEME =C1
S474c
MODULATION SCHEME ASSIGNMENT DEFINITION
S6
MODULATION SCHEME =Q1
S7
WIRELESS PARAMETER M1, C1, Q1