

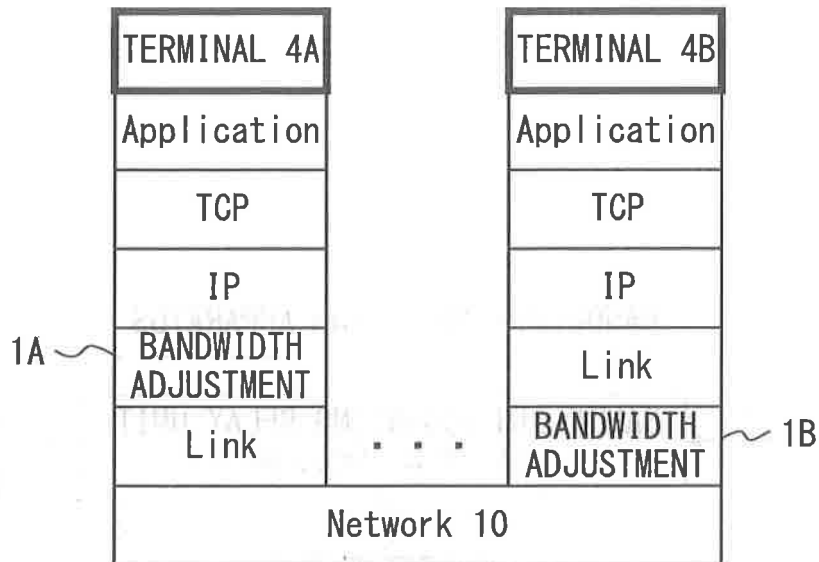


FIG. 1A

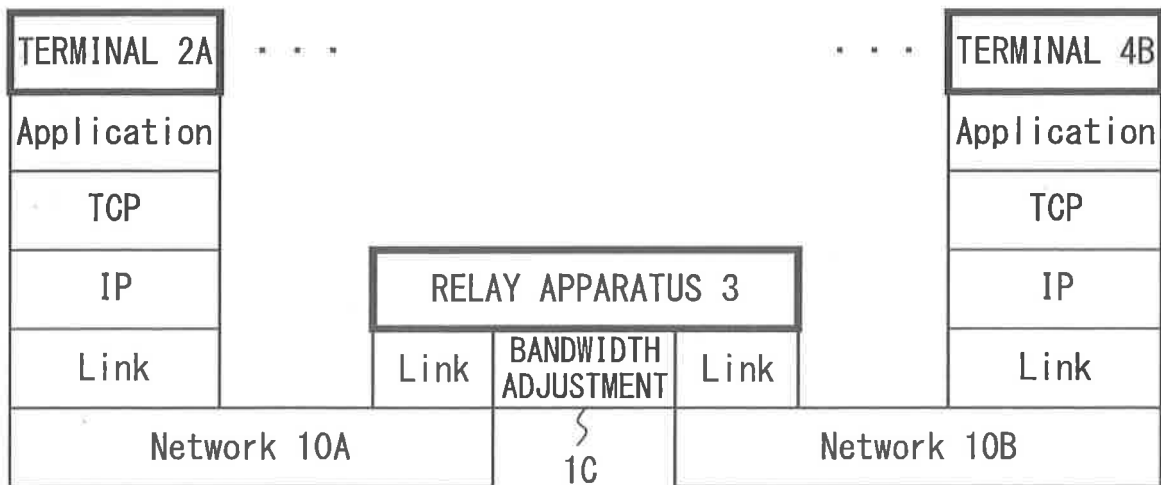


FIG. 1B

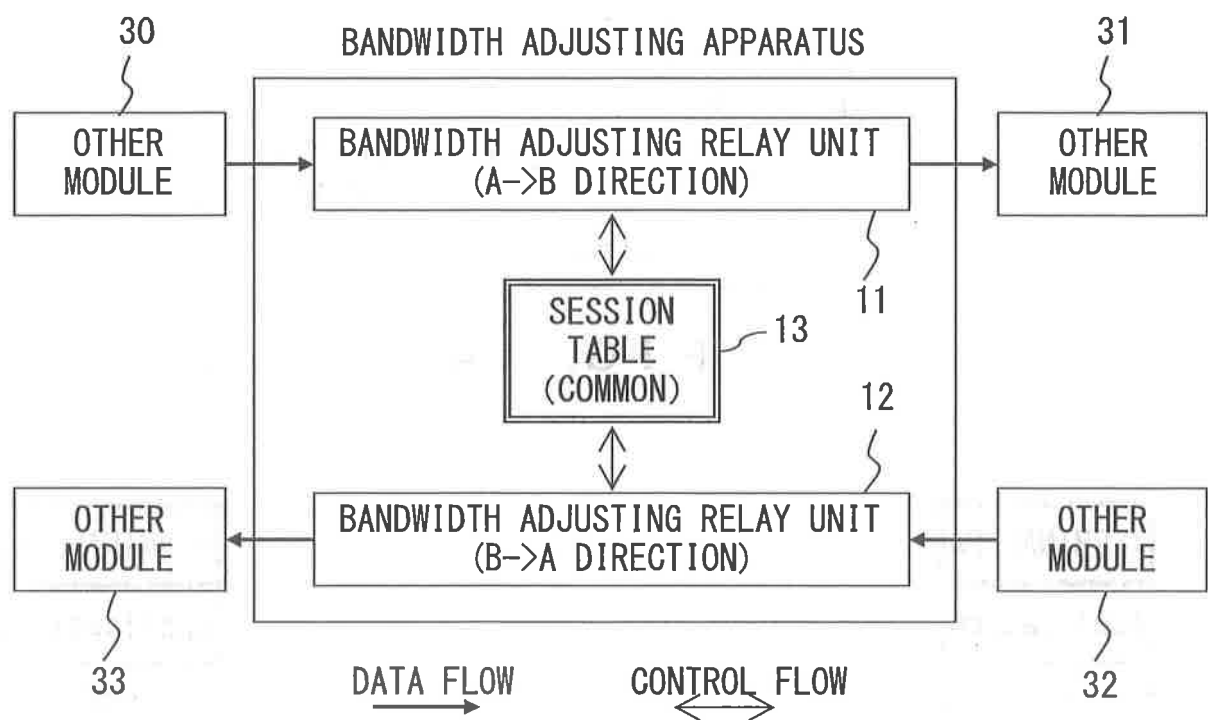


FIG. 2

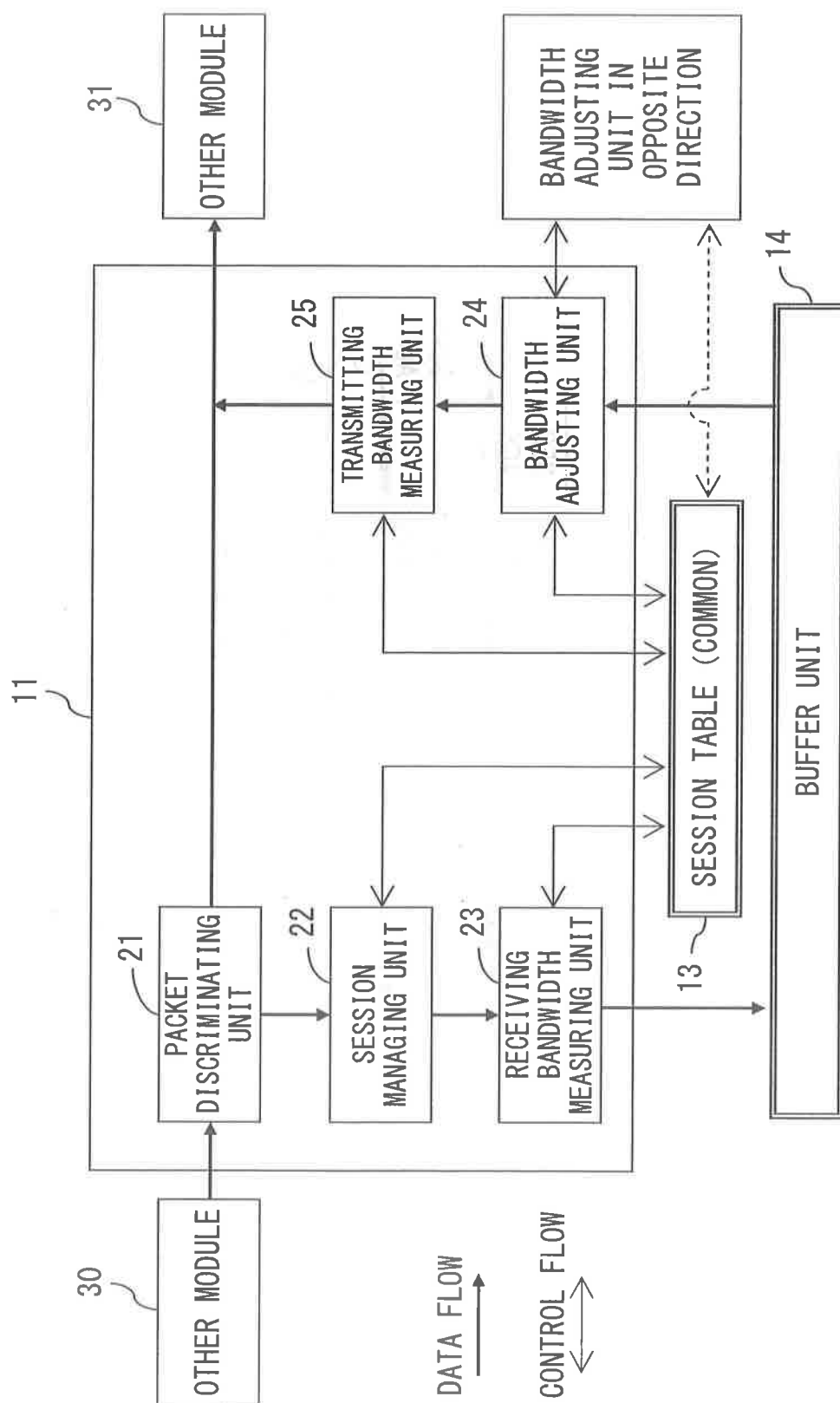


FIG. 3

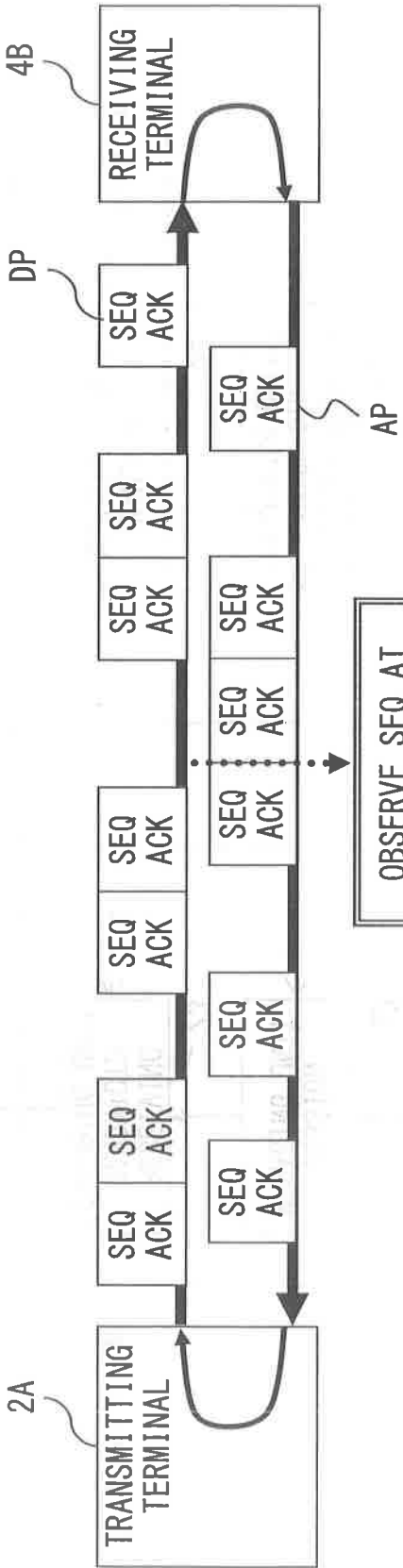


FIG. 4

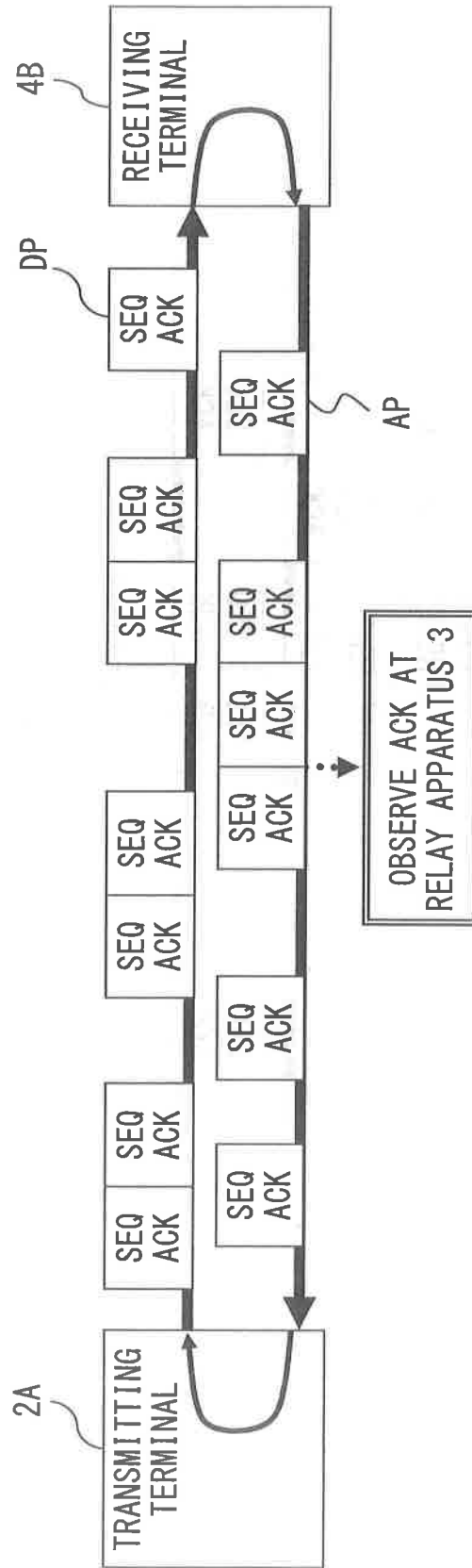


FIG. 5



FIG. 6

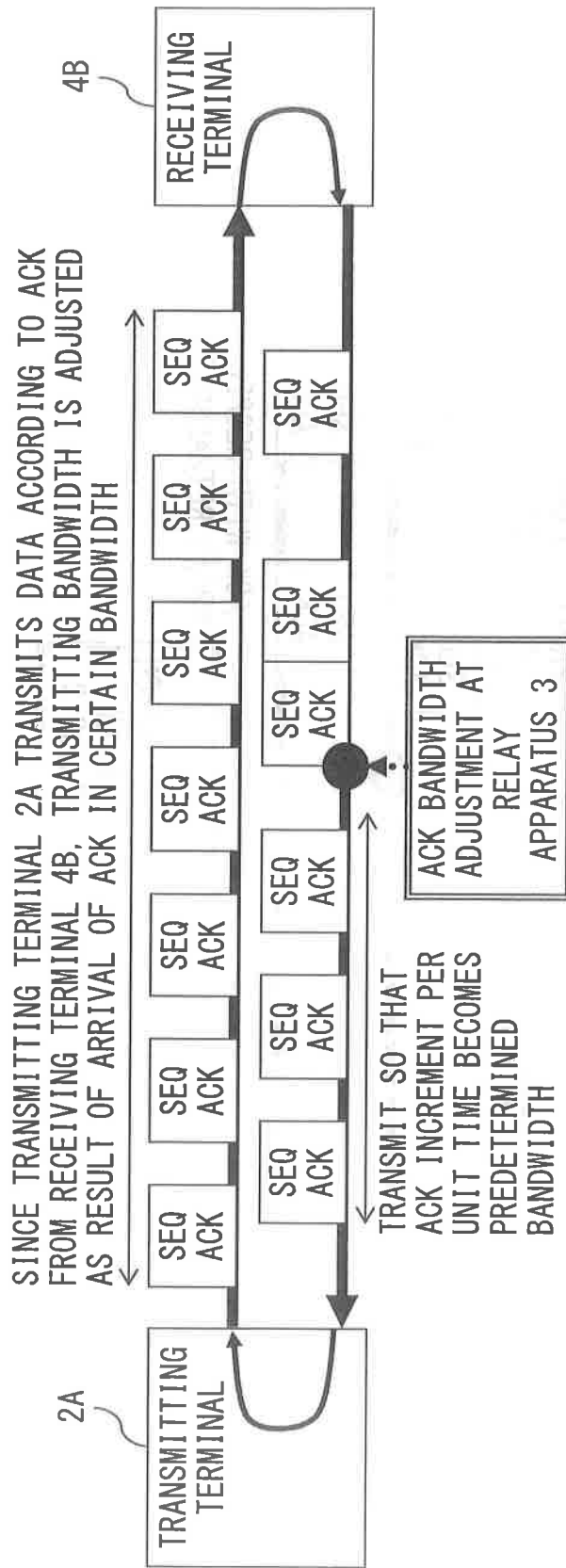


FIG. 7

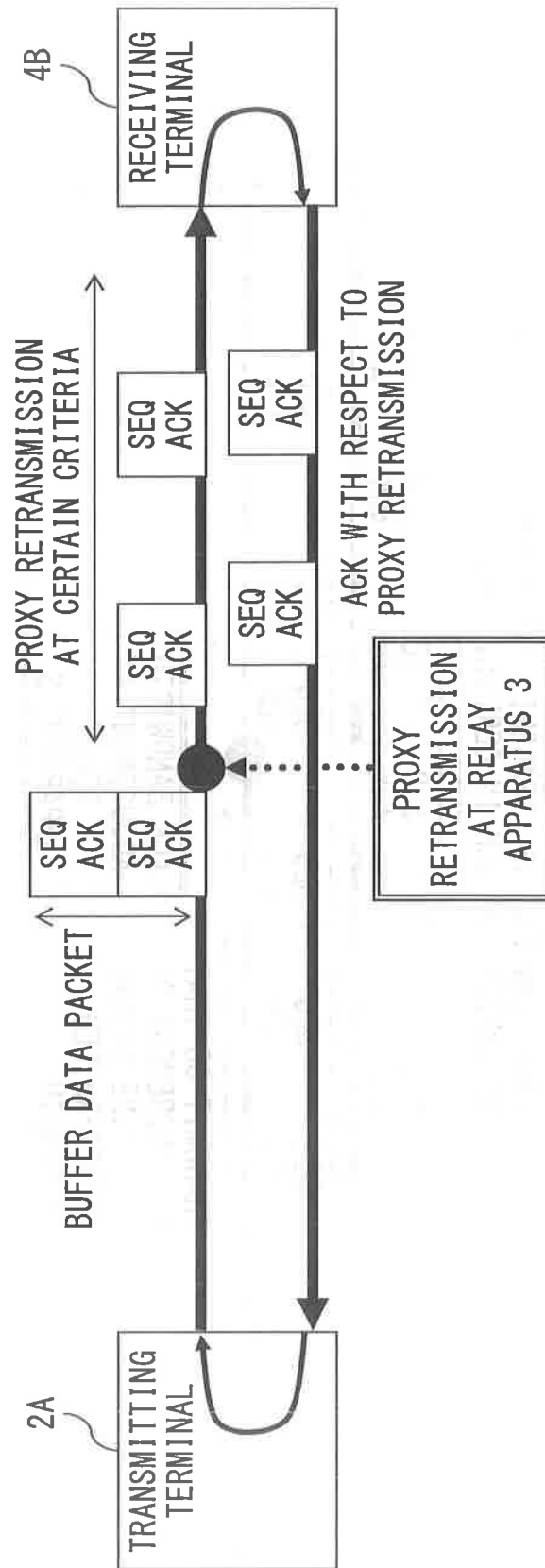


FIG. 8

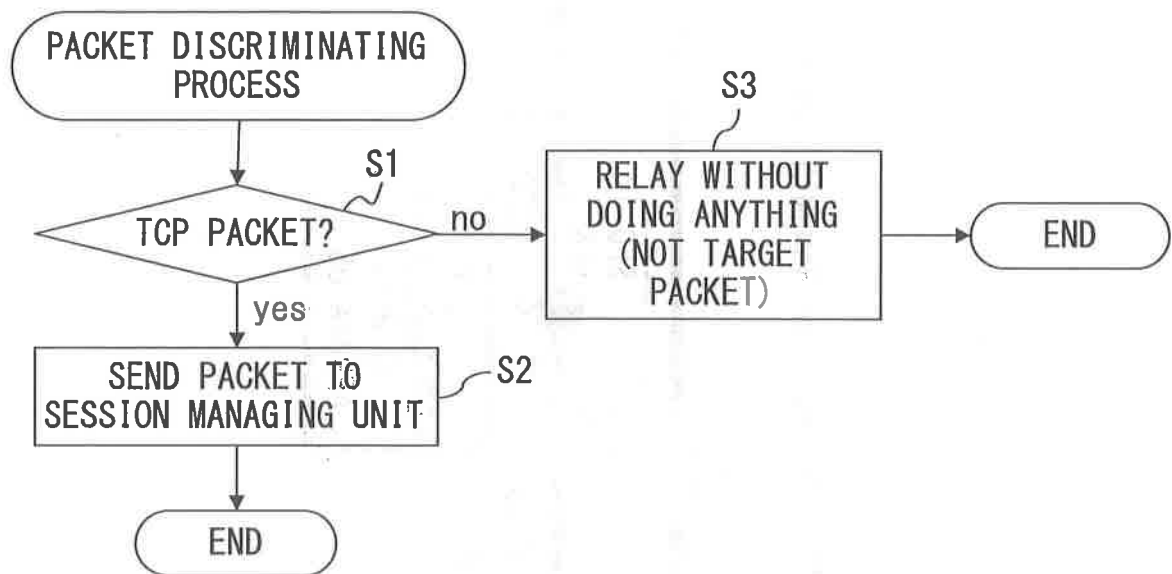


FIG. 10

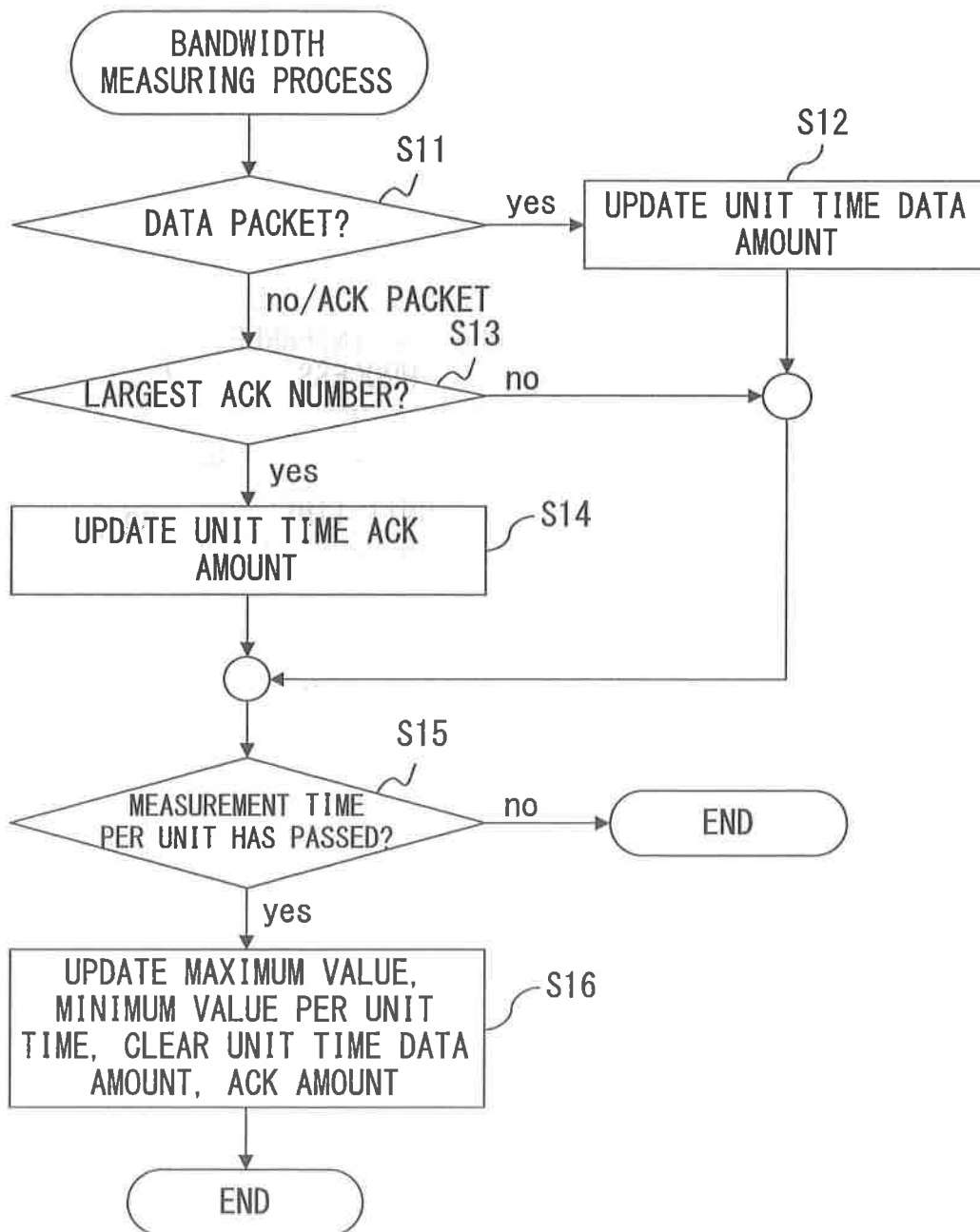


FIG. 11

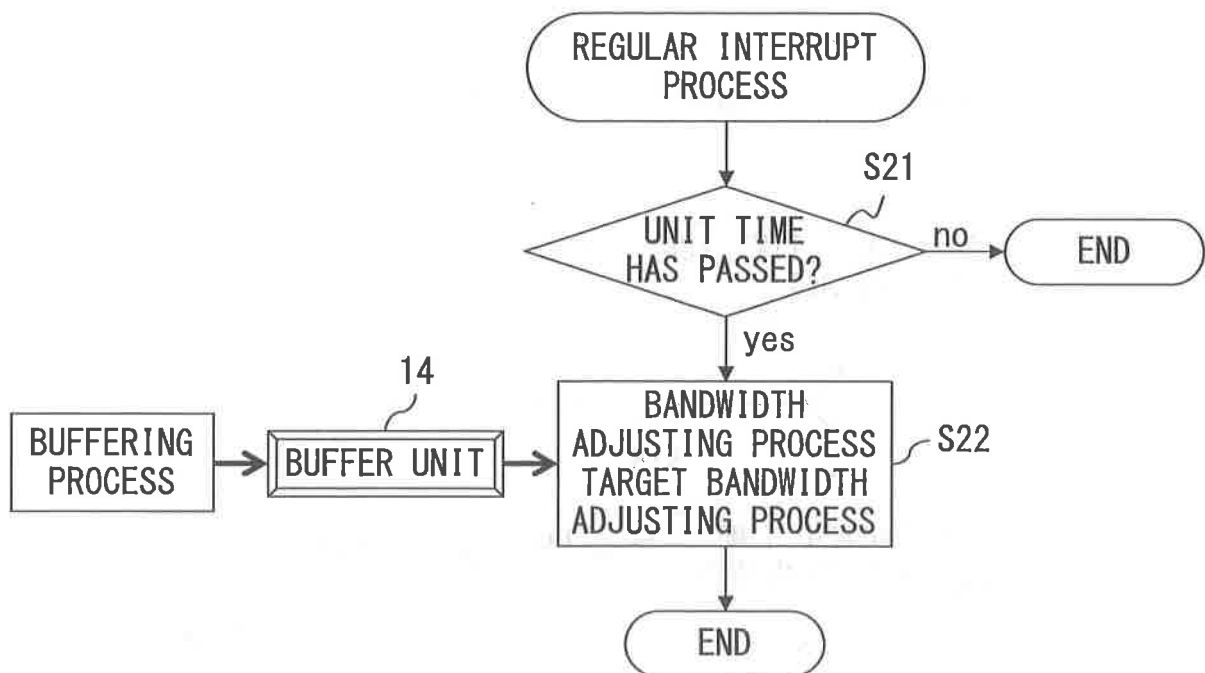


FIG. 12

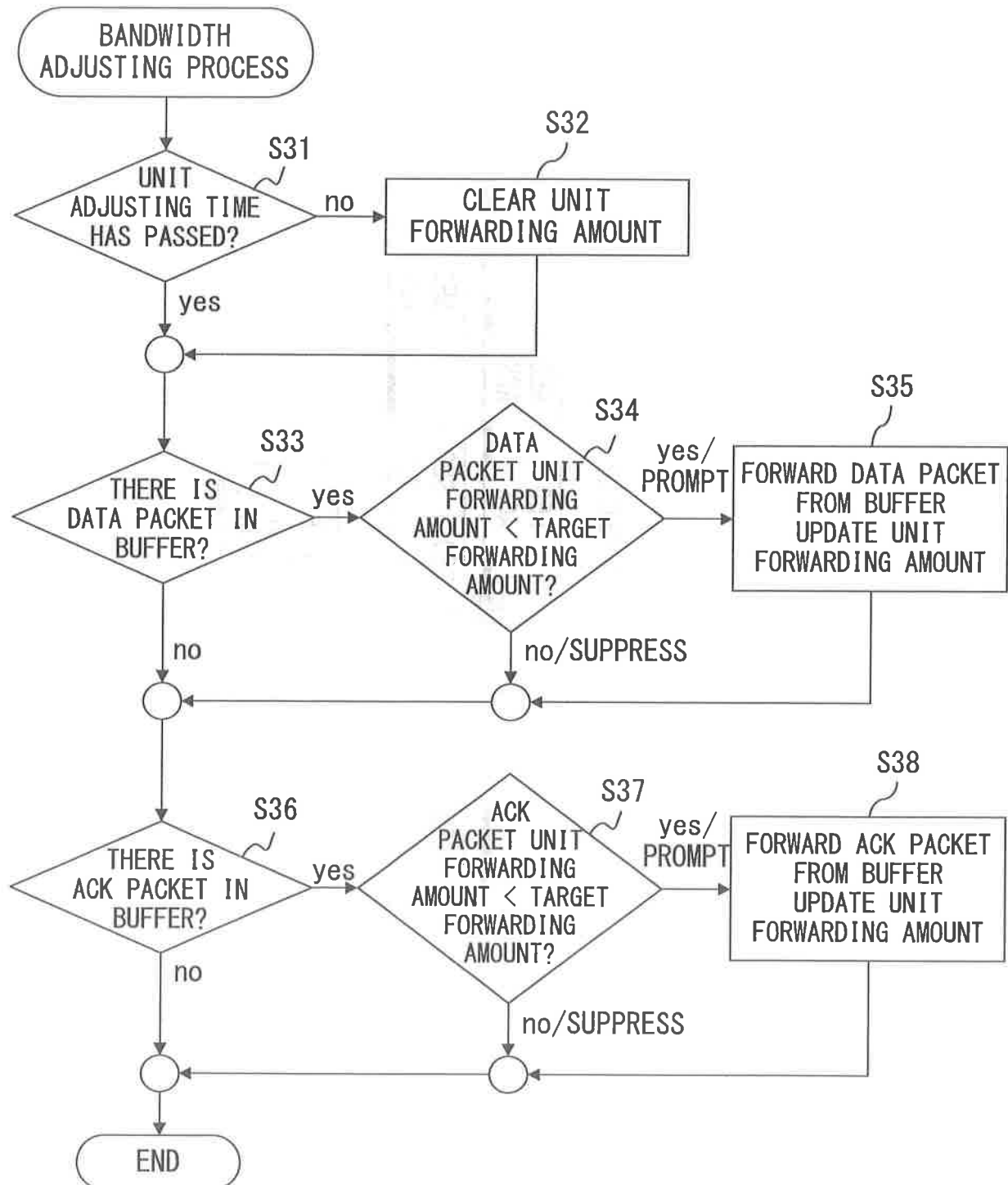


FIG. 13

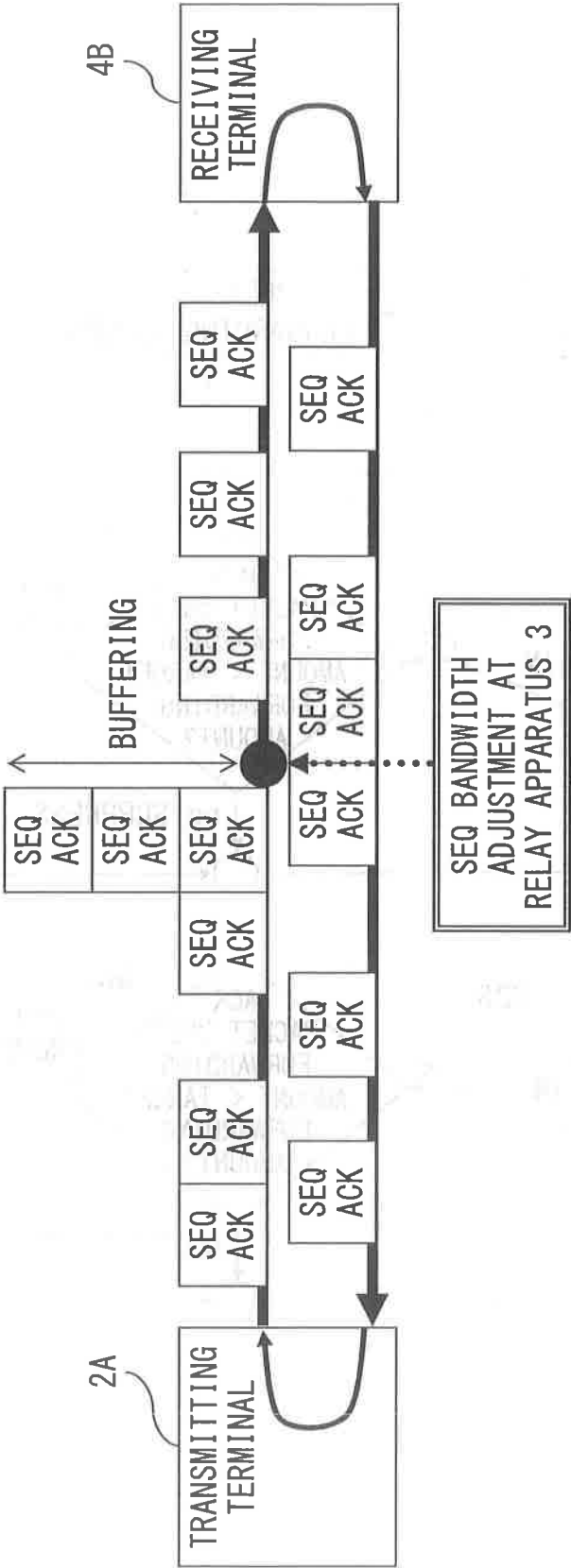


FIG. 14

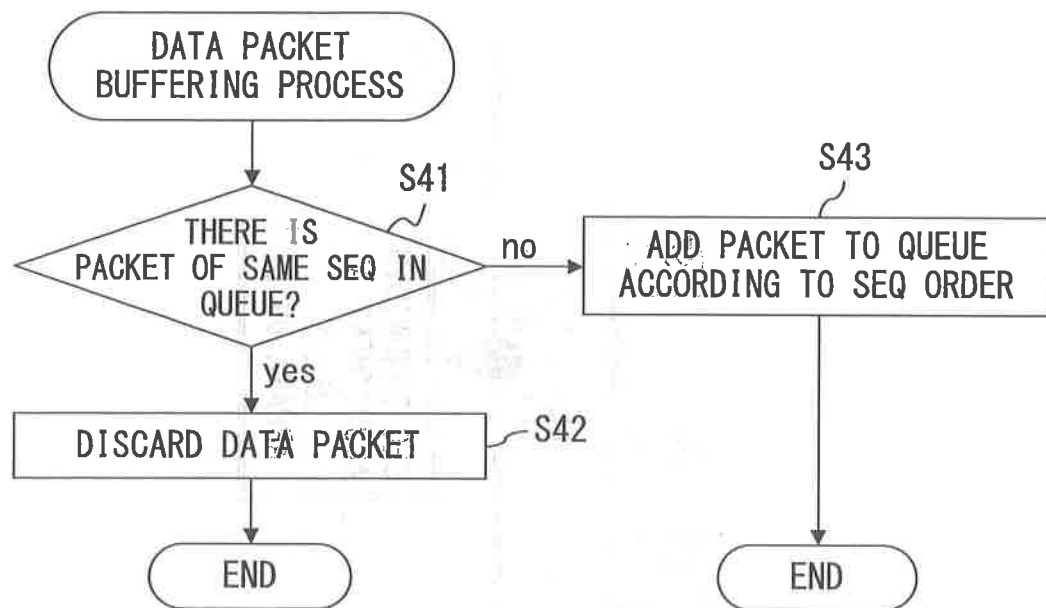


FIG. 16

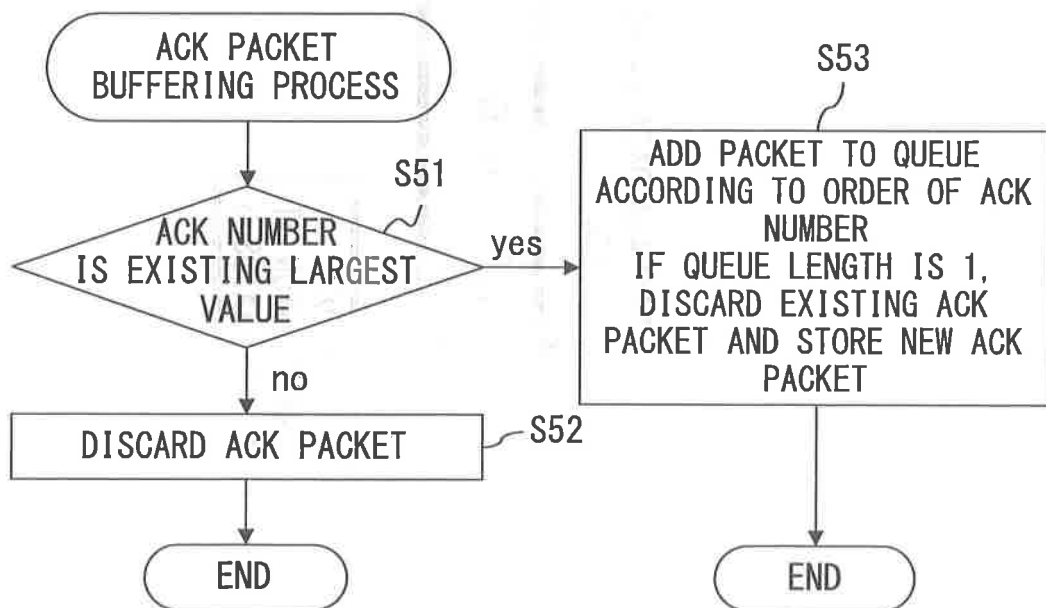


FIG. 17

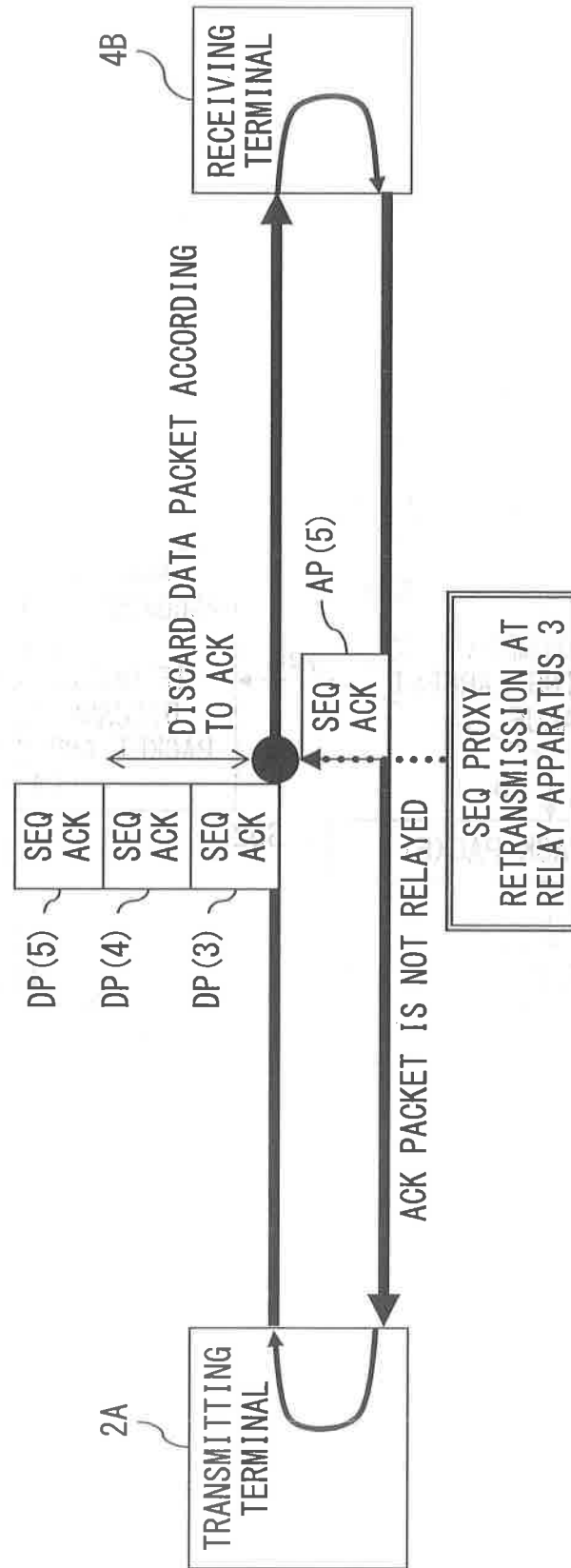


FIG. 18

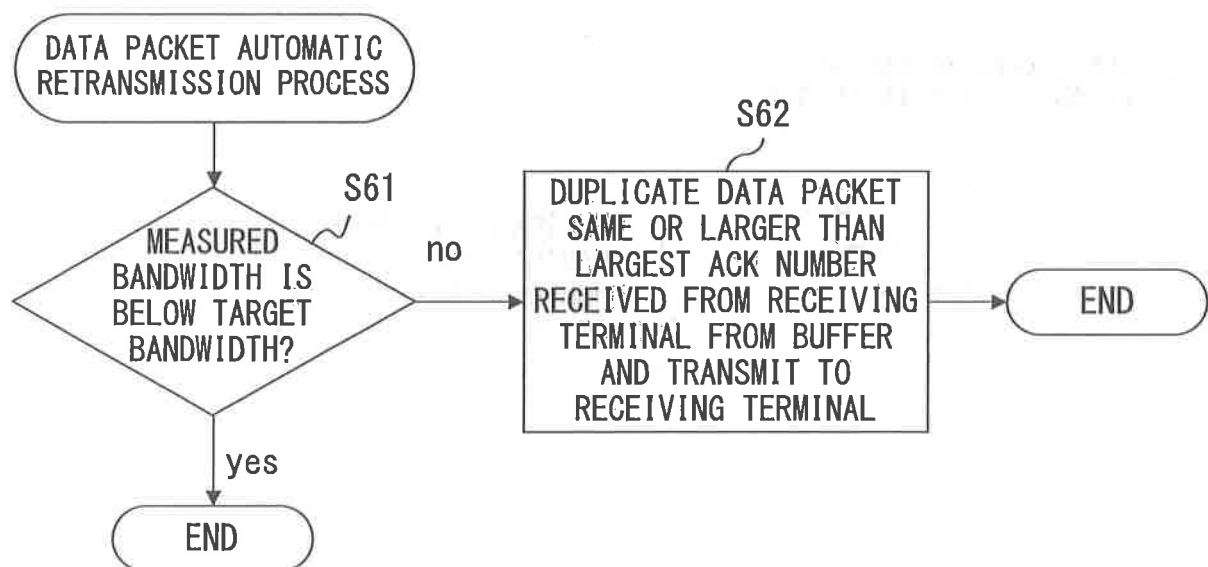


FIG. 19

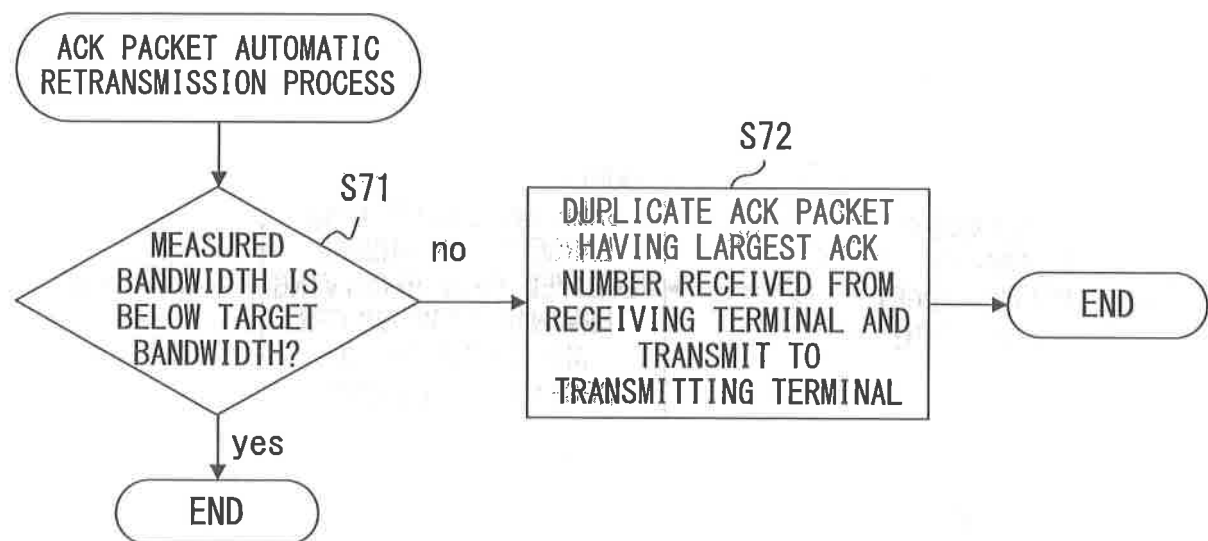


FIG. 20

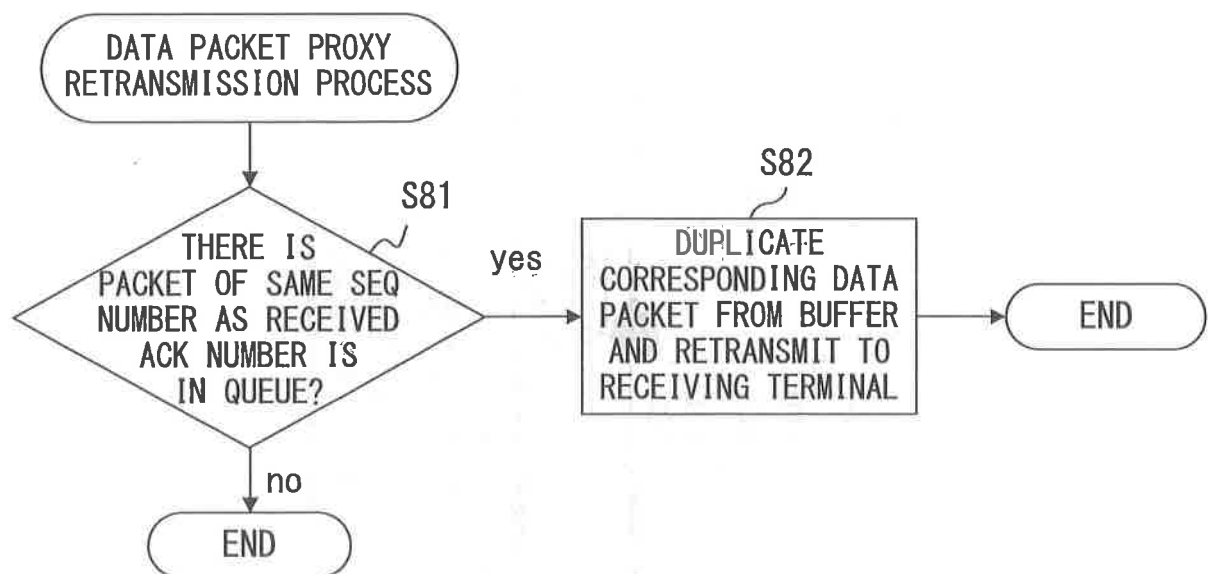
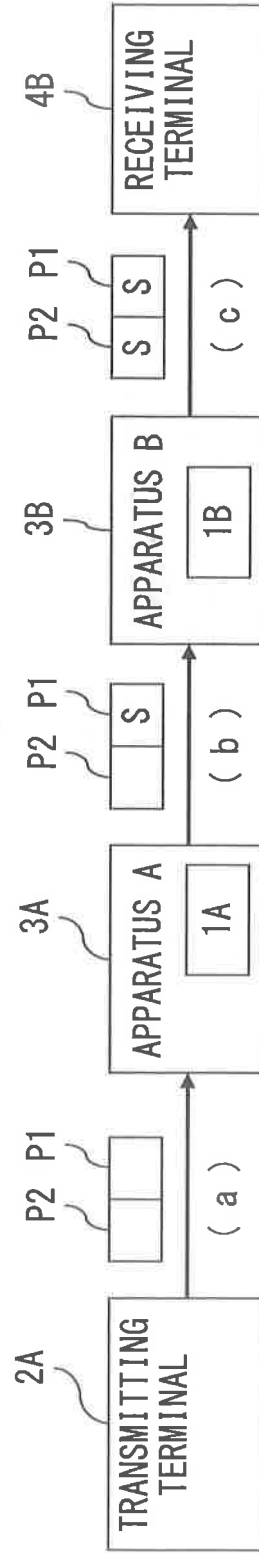


FIG. 22

FIG. 23

SET SERVICE NOTIFICATION INFORMATION "S" IN PACKET
 PROCESSED AT APPARATUS A
 PROCESS PACKET FOR WHICH SERVICE NOTIFICATION INFORMATION
 IS NOT SET AT APPARATUS B



Bit offset	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
0	Source port										Destination port																					
32	Sequence number																															
64	Acknowledgment number																															
96	Data offset	SERVICE NOTIFICATION FLAG		C	W	R	E	U	A	P	R	S	F	Window Size																		
128	Checksum										Urgent pointer																					
160	Options (if Data Offset > 5)																															
...	...																															

f1

FIG. 24

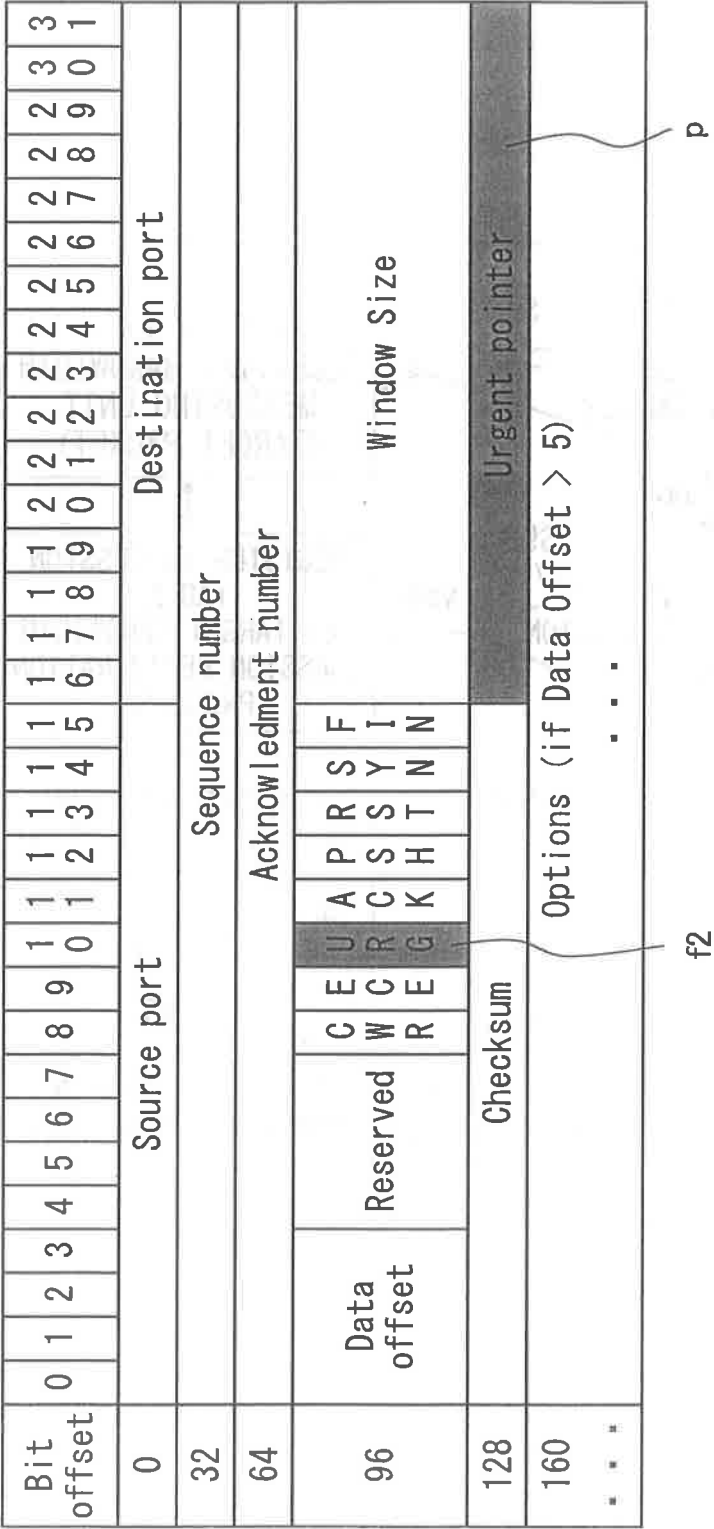


FIG. 25

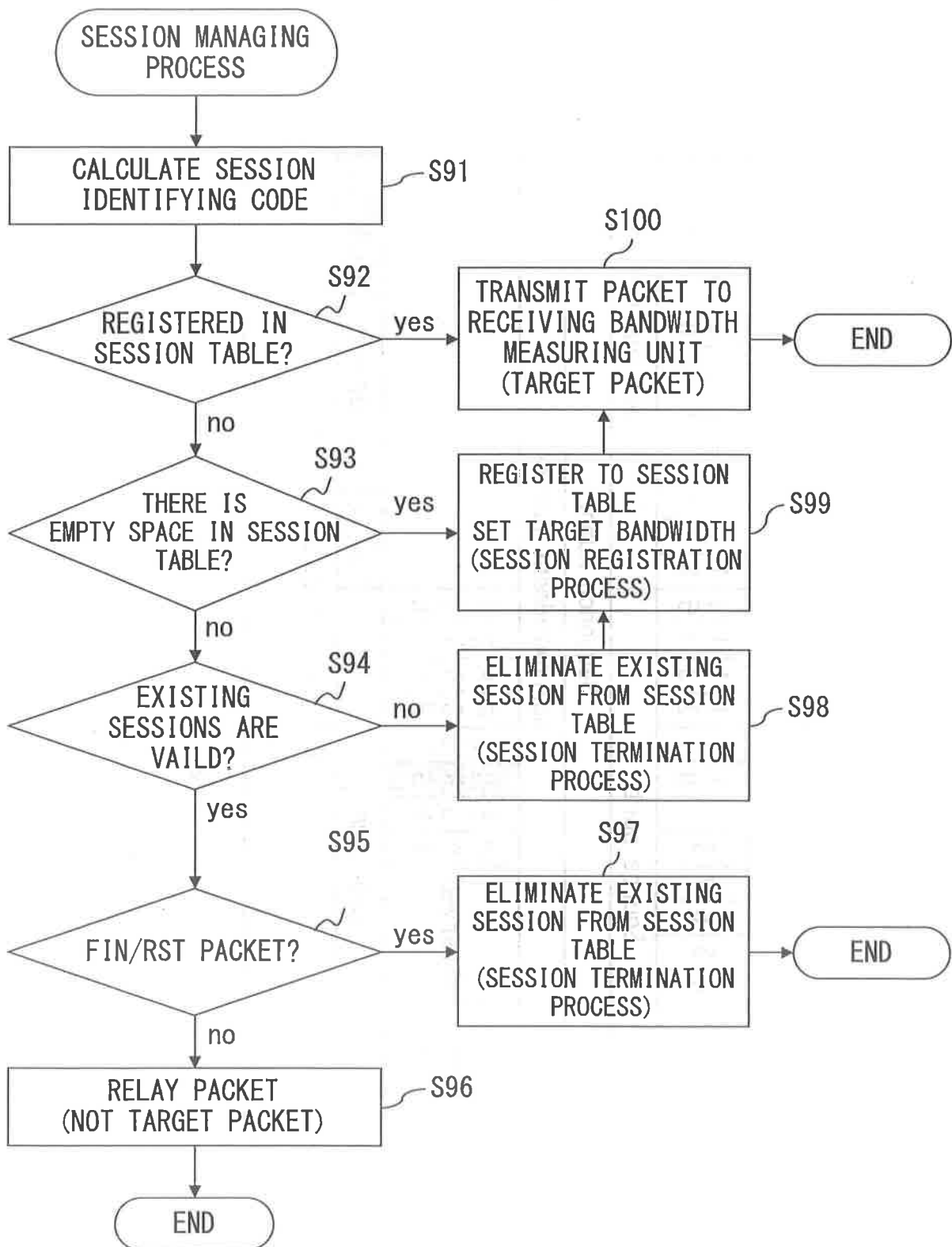


FIG. 26

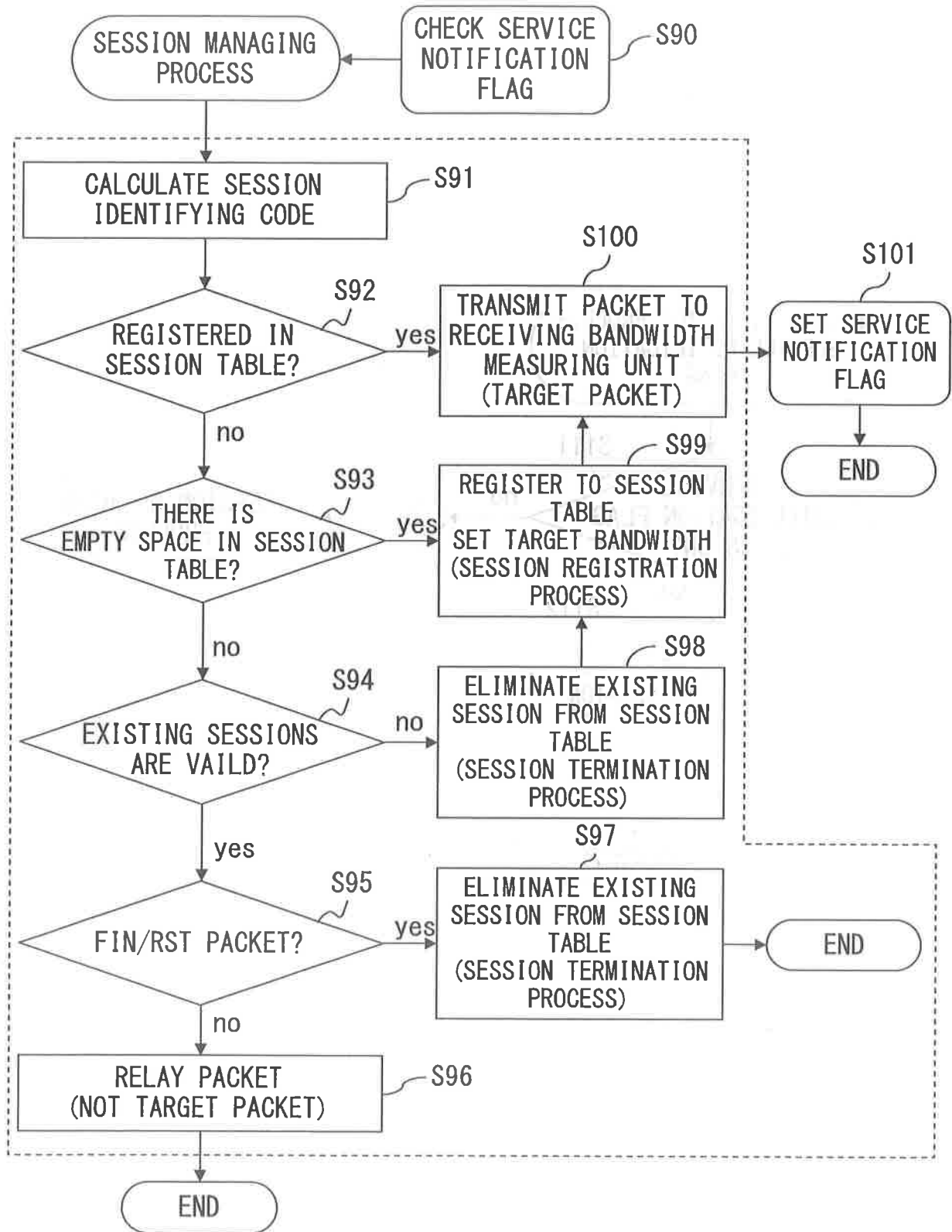


FIG. 27

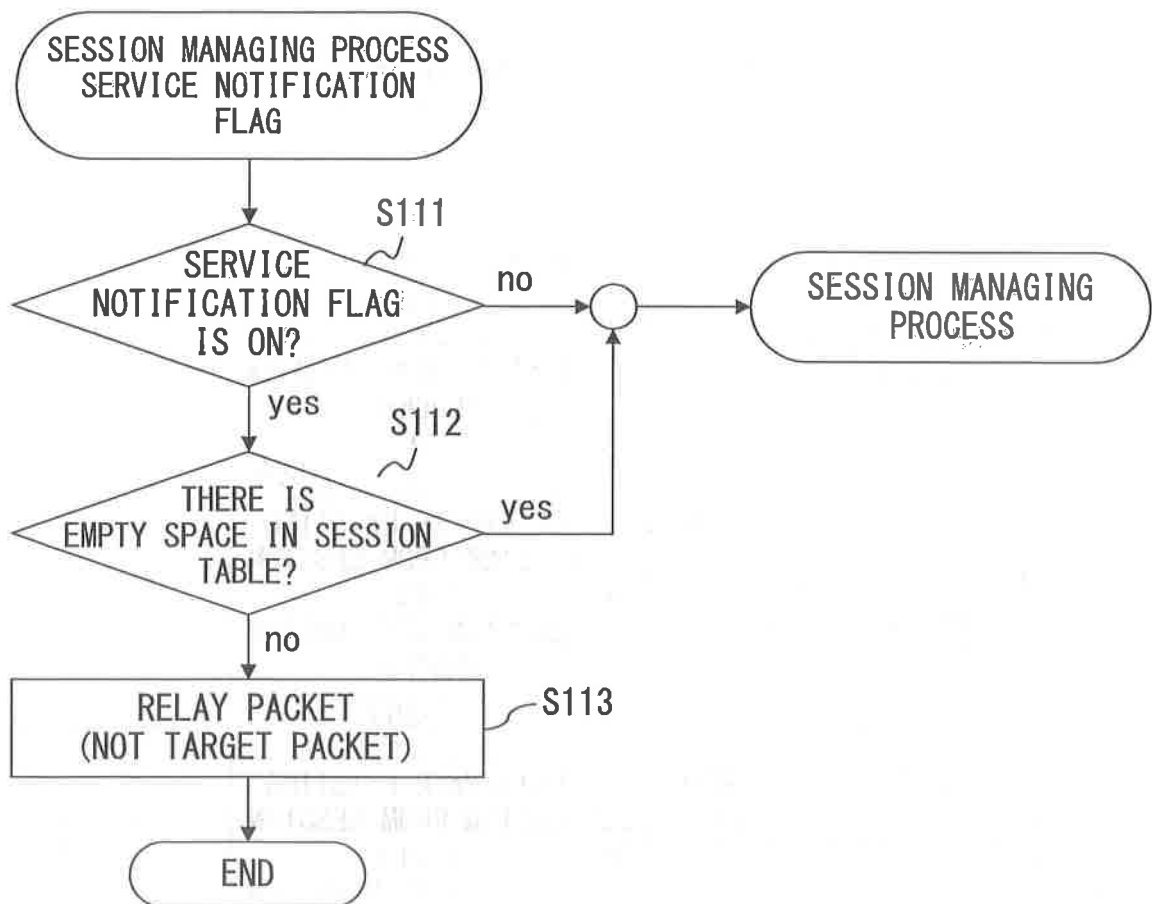


FIG. 28

INDEX	SESSION TABLE DATA
0	SESSION INFORMATION 0
1	SESSION INFORMATION 1
...	...
1023	SESSION INFORMATION 1023

DATA	DATA AMOUNT	DESCRIPTION	
MANAGING INFORMATION	4 BYTES	STORE SESSION TABLE MANAGEMENT INFORMATION	~ D1
DATA INDICATING LOCATION OF SESSION INFORMATION IN OPPOSITE DIRECTION	4 BYTES	DATA INDICATING LOCATION ON SESSION TABLE OF SESSION INFORMATION IN OPPOSITE DIRECTION BELONGING TO THIS SESSION	~ D2
HASH KEY CODE	4 BYTES	HASH KEY CODE CALCULATED FROM PAIR OF IP ADDRESS AND PORT	~ D3
TRANSMITTING IP ADDRESS	4 BYTES	16 BYTES FOR IPv6	
RECEIVING IP ADDRESS	4 BYTES	16 BYTES FOR IPv6	
TRANSMITTING PORT NUMBER	2 BYTES	TCP PORT NUMBER	
RECEIVING PORT NUMBER	2 BYTES	TCP PORT NUMBER	
SESSION START TIME	4 BYTES	TIME AT WHICH SESSION IS REGISTERED TO SESSION TABLE	~ D4-1
DATA PACKET RELAY TIME	4 BYTES	TIME AT WHICH DATA PACKET WAS LAST RELAYED	~ D5
UNIT TIME	4 BYTES	INTERNAL TIME REPRESENTING UNIT TIME	
MEASURED DATA AMOUNT PER UNIT TIME	4 BYTES	AMOUNT OF DATA RELAYED PER UNIT TIME	~ D6
MAXIMUM MEASURED DATA AMOUNT PER UNIT TIME	4 BYTES	MAXIMUM VALUE OF AMOUNT OF DATA RELAYED PER UNIT TIME	
MINIMUM MEASURED DATA AMOUNT PER UNIT TIME	4 BYTES	MINIMUM VALUE OF AMOUNT OF DATA RELAYED PER UNIT TIME	
MEASURED ACK AMOUNT PER UNIT TIME	4 BYTES	INCREMENT OF ACK NUMBER RELAYED PER UNIT TIME	
MAXIMUM MEASURED ACK AMOUNT PER UNIT TIME	4 BYTES	MAXIMUM AMOUNT OF INCREMENT OF ACK NUMBER RELAYED PER UNIT TIME	
MINIMUM MEASURED ACK AMOUNT PER UNIT TIME	4 BYTES	MINIMUM AMOUNT OF INCREMENT OF ACK NUMBER RELAYED PER UNIT TIME	~ D7
TRANSFERABLE DATA AMOUNT PER UNIT TIME	4 BYTES	AMOUNT OF DATA THAT MAY BE TRANSFERRED PER UNIT TIME (SET VALUE)	
TRANSFERABLE ACK AMOUNT PER UNIT TIME	4 BYTES	AMOUNT OF ACK THAT MAY BE TRANSFERRED PER UNIT TIME (SET VALUE)	
RELAY DATA AMOUNT PER UNIT TIME	4 BYTES	AMOUNT OF DATA RELAYED PER UNIT TIME	~ D8
MAXIMUM RELAY DATA AMOUNT PER UNIT TIME	4 BYTES	MAXIMUM VALUE OF AMOUNT OF DATA RELAYED PER UNIT TIME	
MINIMUM RELAY DATA AMOUNT PER UNIT TIME	4 BYTES	MINIMUM VALUE OF AMOUNT OF DATA RELAYED PER UNIT TIME	
RELAY ACK AMOUNT PER UNIT TIME	4 BYTES	INCREMENT OF ACK NUMBER RELAYED PER UNIT TIME	
MAXIMUM RELAY ACK AMOUNT PER UNIT TIME	4 BYTES	MAXIMUM AMOUNT OF INCREMENT OF ACK NUMBER RELAYED PER UNIT TIME	
MINIMUM RELAY ACK AMOUNT PER UNIT TIME	4 BYTES	MINIMUM AMOUNT OF INCREMENT OF ACK NUMBER RELAYED PER UNIT TIME	~ D9
LARGEST SEQ NUMBER AMONG BUFFERED DATA PACKET	4 BYTES	LARGEST SEQ NUMBER AMONG BUFFERED DATA PACKETS	
SMALLEST SEQ NUMBER AMONG BUFFERED DATA PACKET	4 BYTES	SMALLEST SEQ NUMBER AMONG BUFFERED DATA PACKETS	~ D11
DATA PACKET QUEUE	16 BYTES	DATA PACKET QUEUE STRUCTURE	
ACK PACKET RELAY TIME	4 BYTES	TIME AT WHICH ACK PACKET WAS LAST RELAYED	~ D4-2
LARGEST ACK NUMBER OF RELATED ACK PACKETS	4 BYTES	LARGEST ACK NUMBER AMONG RELAYED ACK PACKETS ACK PACKET WHOSE ACK NUMBER IS LARGEST IS BUFFERED	~ D10
ACK PACKET QUEUE	4 BYTES	PACKET BUFFER (BUFFER ONE)	~ D11

FIG. 30