

FIG. 1

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COMMUNICATION SYSTEM

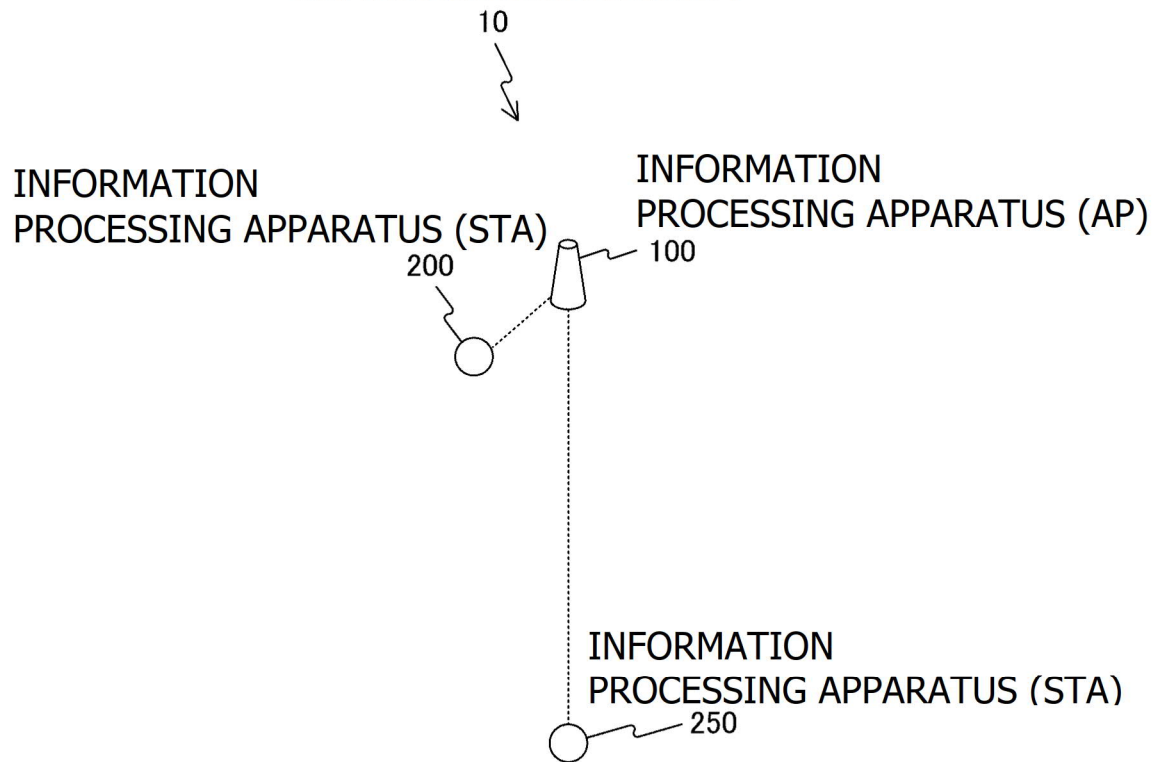


FIG. 2

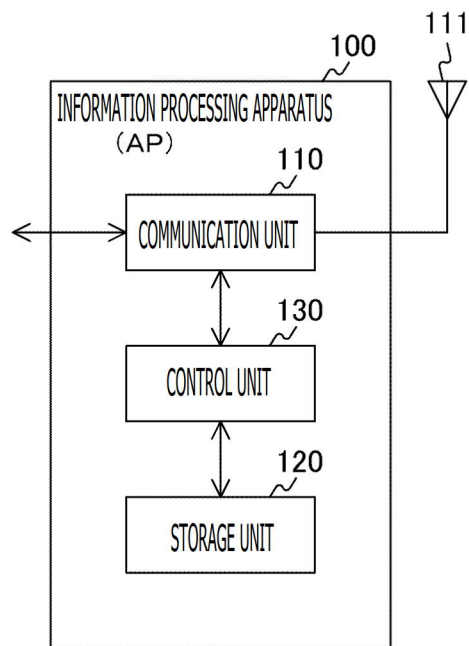


FIG. 3

EXAMPLE OF OPERATION OF INFORMATION PROCESSING APPARATUS (PACKET TRANSMISSION/RECEPTION PROCESS)

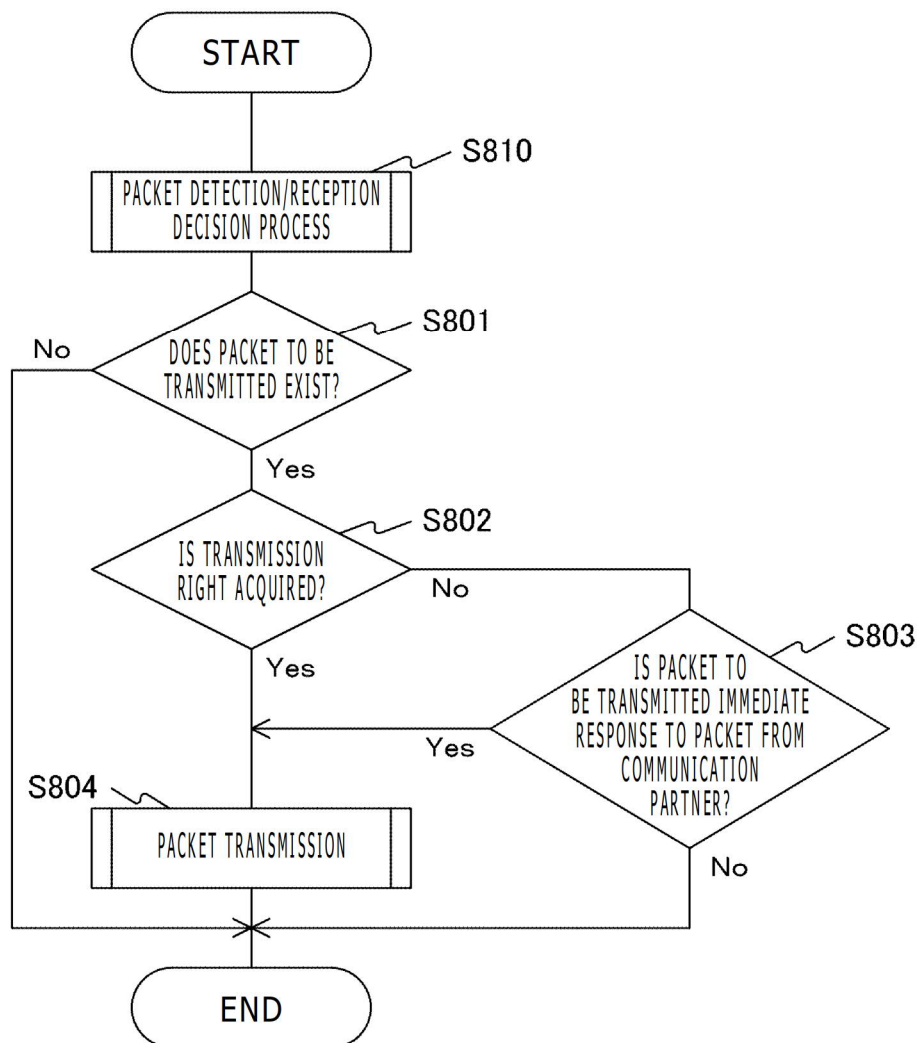


FIG. 4

PROCESS CLASSIFICATION TABLE

CRC CALCULATION RESULT OF PLCP HEADER IS ERROR-FREE			CRC CALCULATION RESULT OF PLCP HEADER IS ERROR
COLOR IN PLCP HEADER IS SAME AS BELONGING BSS	COLOR IN PLCP HEADER IS DIFFERENT FROM BELONGING BSS	COLOR INFORMATION DOES NOT EXIST	
RECEPTION	ABORTION OF RECEPTION	RECEPTION	ABORTION OF RECEPTION (ERROR) ※IFS=EIFS

FIG. 5

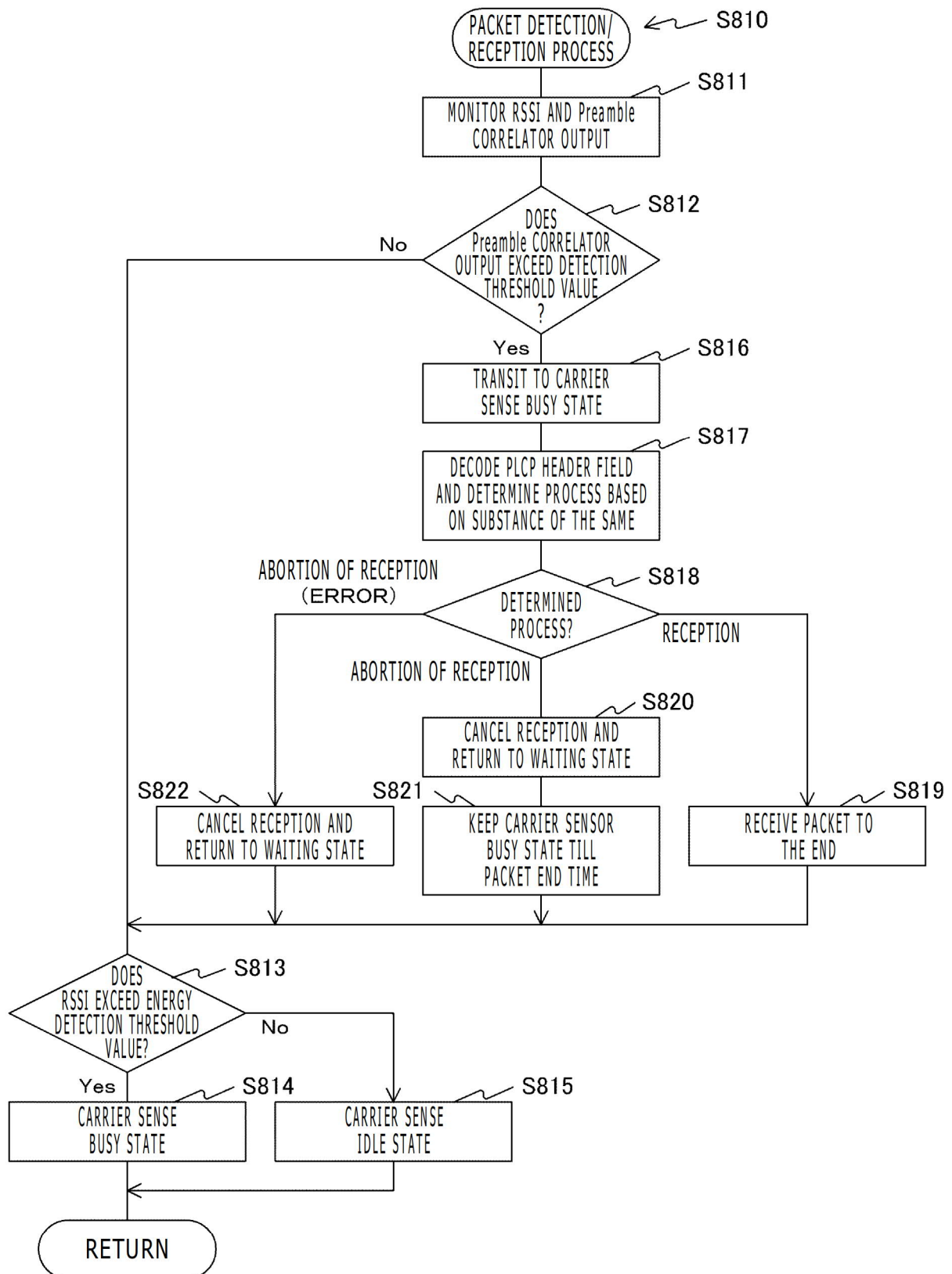


FIG. 6

PROCESS CLASSIFICATION TABLE

	CRC CALCULATION RESULT OF PLCP HEADER IS ERROR-FREE			CRC CALCULATION RESULT OF PLCP HEADER IS ERROR
	COLOR IN PLCP HEADER IS SAME AS BELONGING BSS	COLOR IN PLCP HEADER IS DIFFERENT FROM BELONGING BSS	COLOR INFORMATION DOES NOT EXIST	
CORRELATOR OUTPUT STRENGTH IS LOWER THAN EXTENDED CCA THRESHOLD VALUE	RECEPTION	ABORTION OF RECEPTION (IDLE)	RECEPTION	ABORTION OF RECEPTION (ERROR) ※IFS=EIFS
CORRELATOR OUTPUT STRENGTH IS EQUAL TO OR HIGHER THAN EXTENDED CCA THRESHOLD VALUE	RECEPTION	ABORTION OF RECEPTION (BUSY)	RECEPTION	

FIG. 7

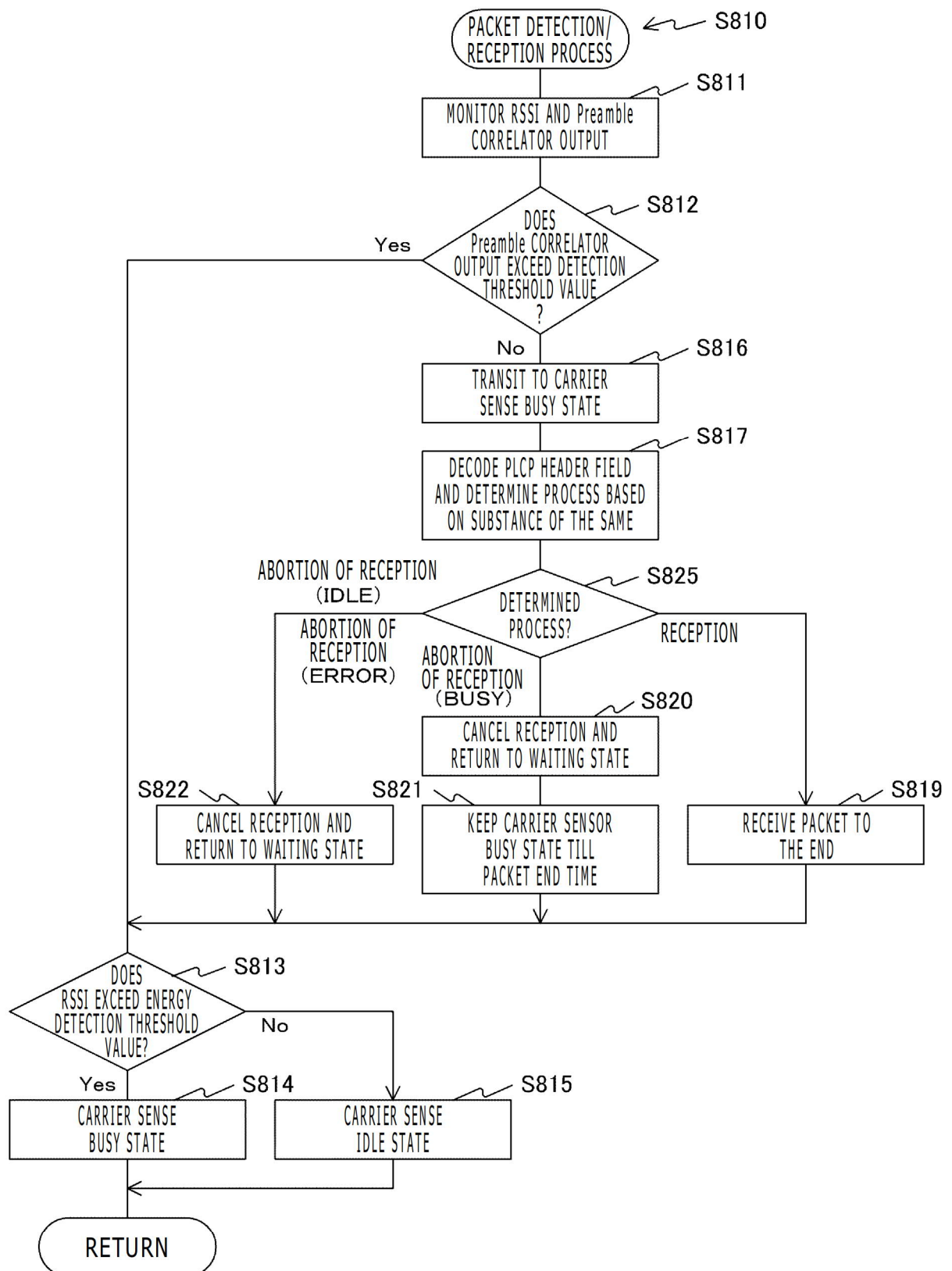


FIG. 8

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EXAMPLE OF OPERATION OF INFORMATION PROCESSING APPARATUS (AP)
AND INFORMATION PROCESSING APPARATUS (STA)

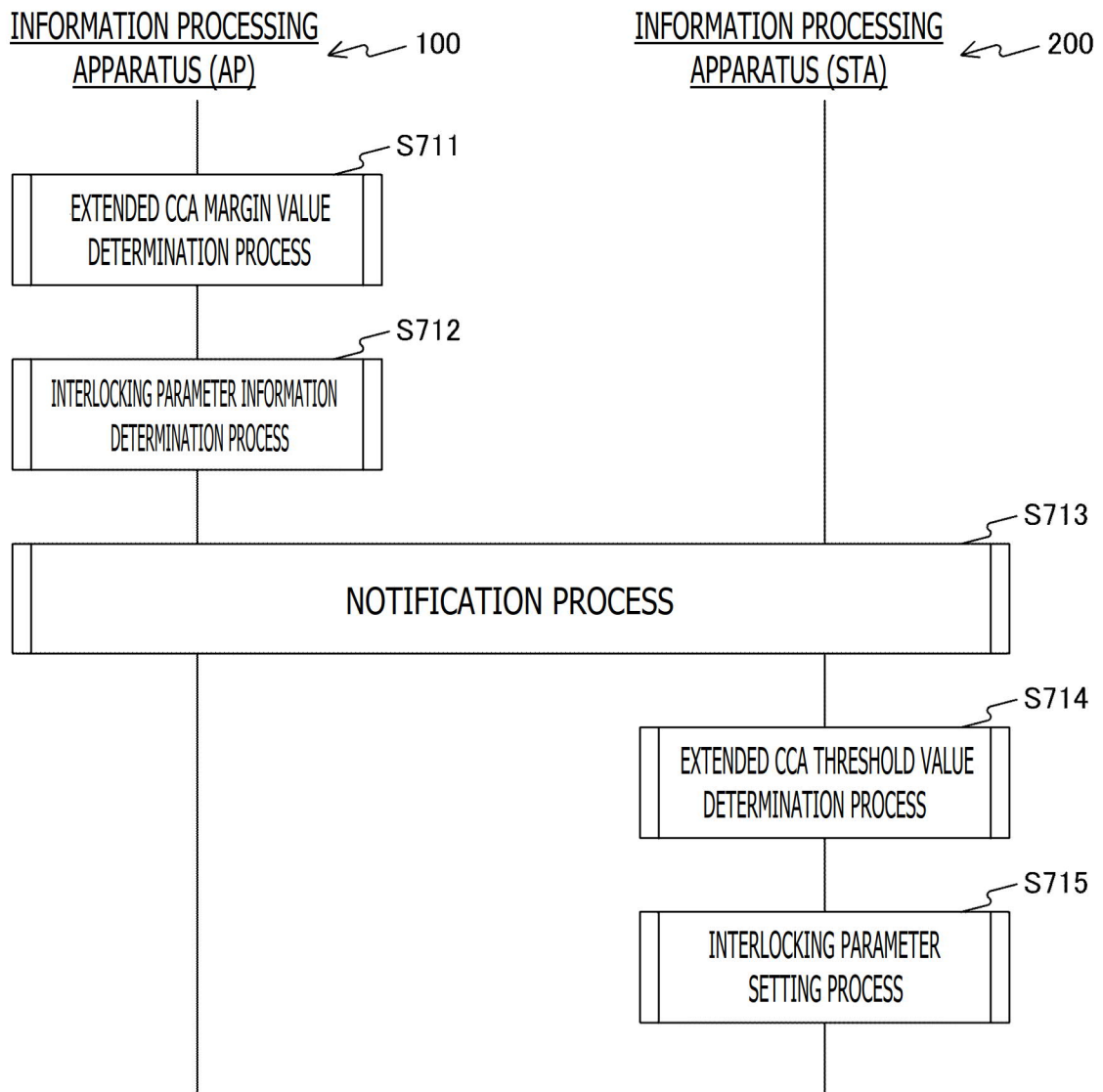


FIG. 9

FLOW OF PROCESSING OF COMPONENTS

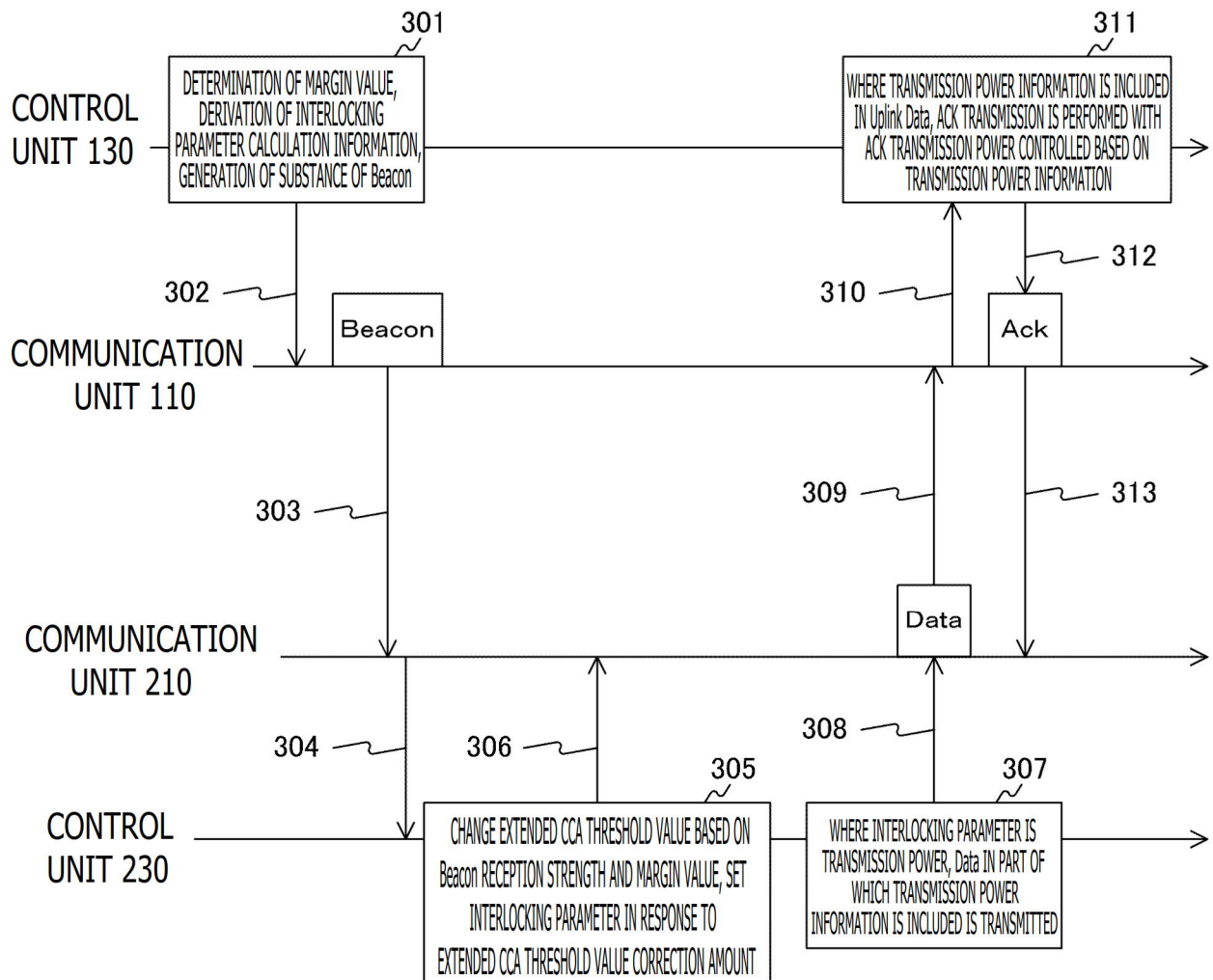


FIG. 10

MARGIN VALUE (dB)	TRANSMISSION PARAMETER 1 OF CHANGE TARGET		TRANSMISSION PARAMETER 2 OF CHANGE TARGET	
	TYPE	CHANGED COEFFICIENT VALUE	TYPE	CHANGED COEFFICIENT VALUE
40	TxPower	$\alpha = 1, \beta = 10$	AIFSN	$\gamma = 10$
30	TxPower	$\alpha = 1, \beta = 8$	AIFSN	$\gamma = 10$
20	TxPower	$\alpha = 1.5, \beta = 5$	AIFSN	$\gamma = 5$
10	TxPower	$\alpha = 2, \beta = 3$	AIFSN	$\gamma = 3$

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FIG. 11

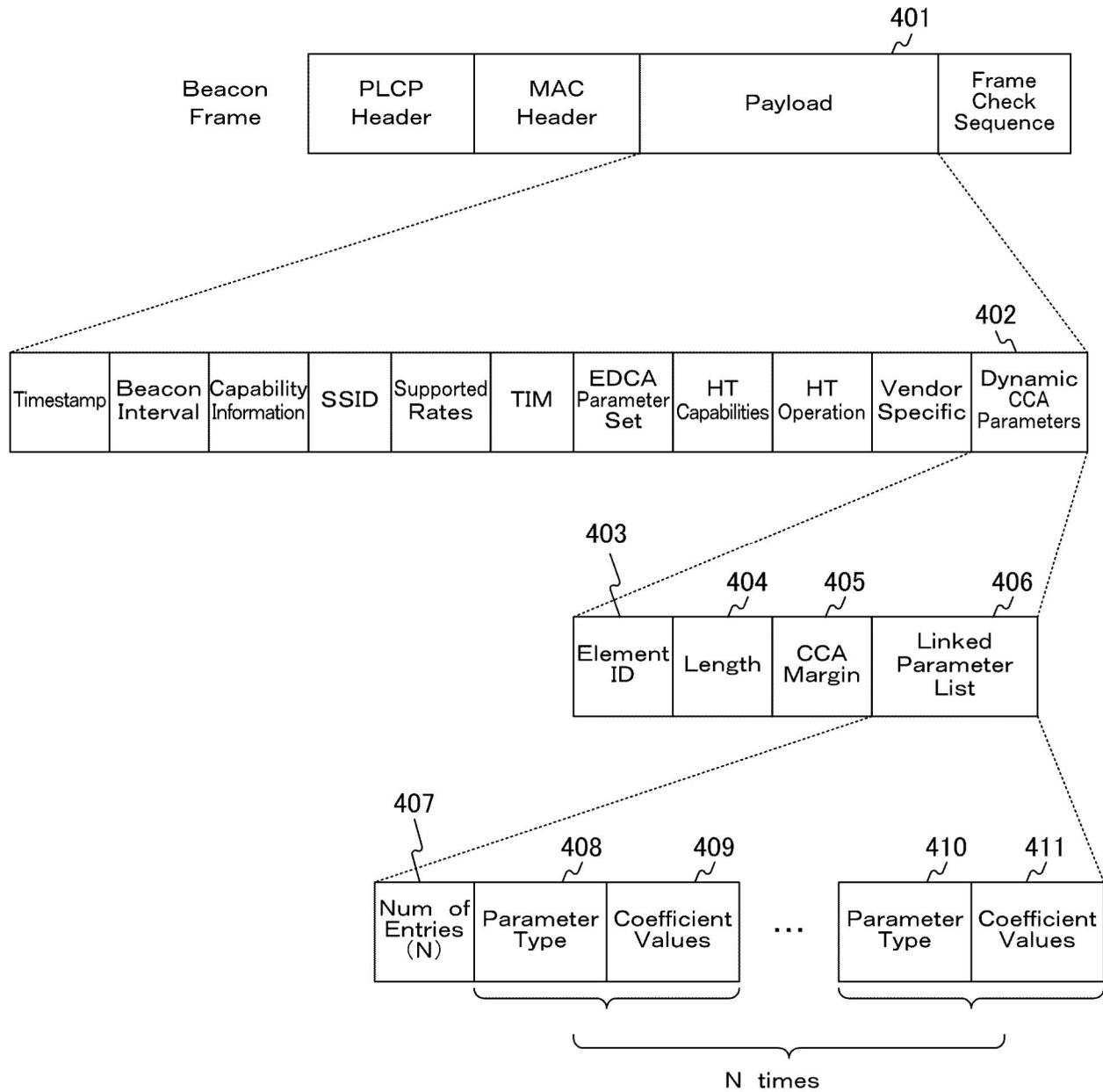
EXAMPLE OF FORMAT OF BEACON

FIG. 12

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EXAMPLE OF EXTENDED CCA THRESHOLD VALUE
DETERMINATION PROCESS

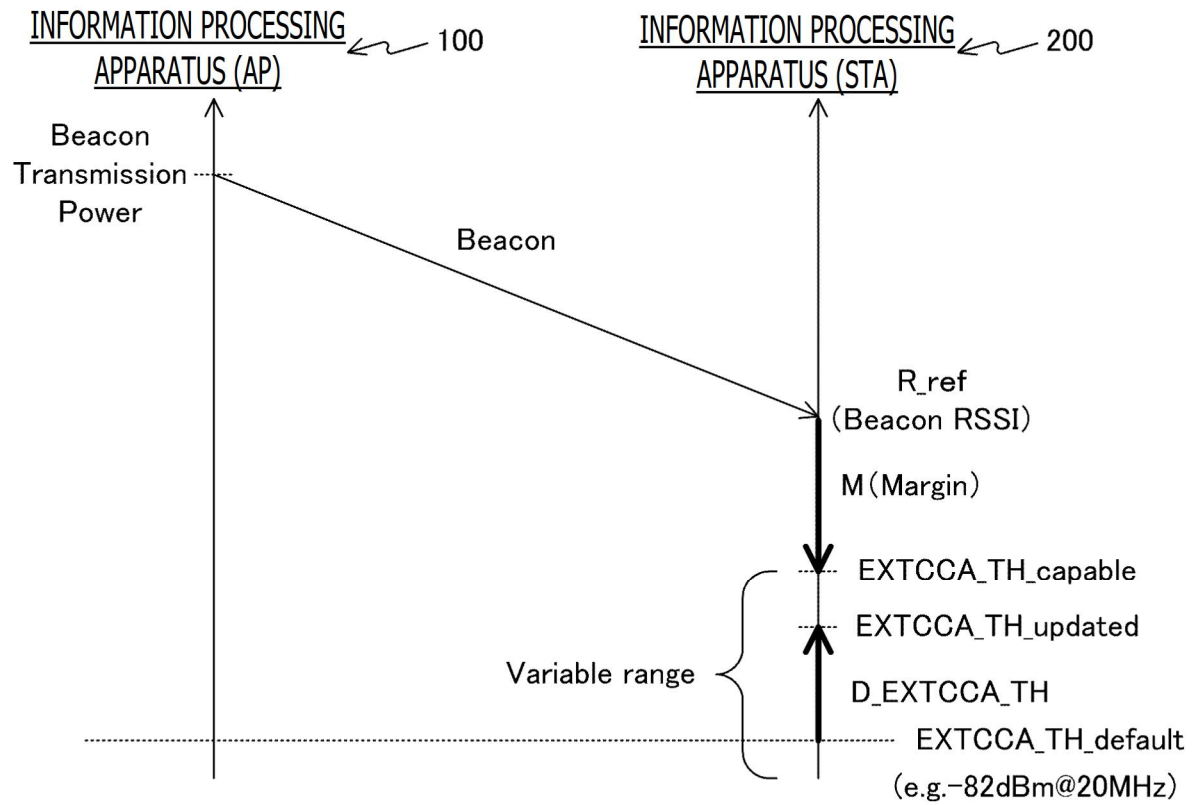


FIG. 13

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EXAMPLE OF FORMAT OF FRAME USED IN TRANSMISSION

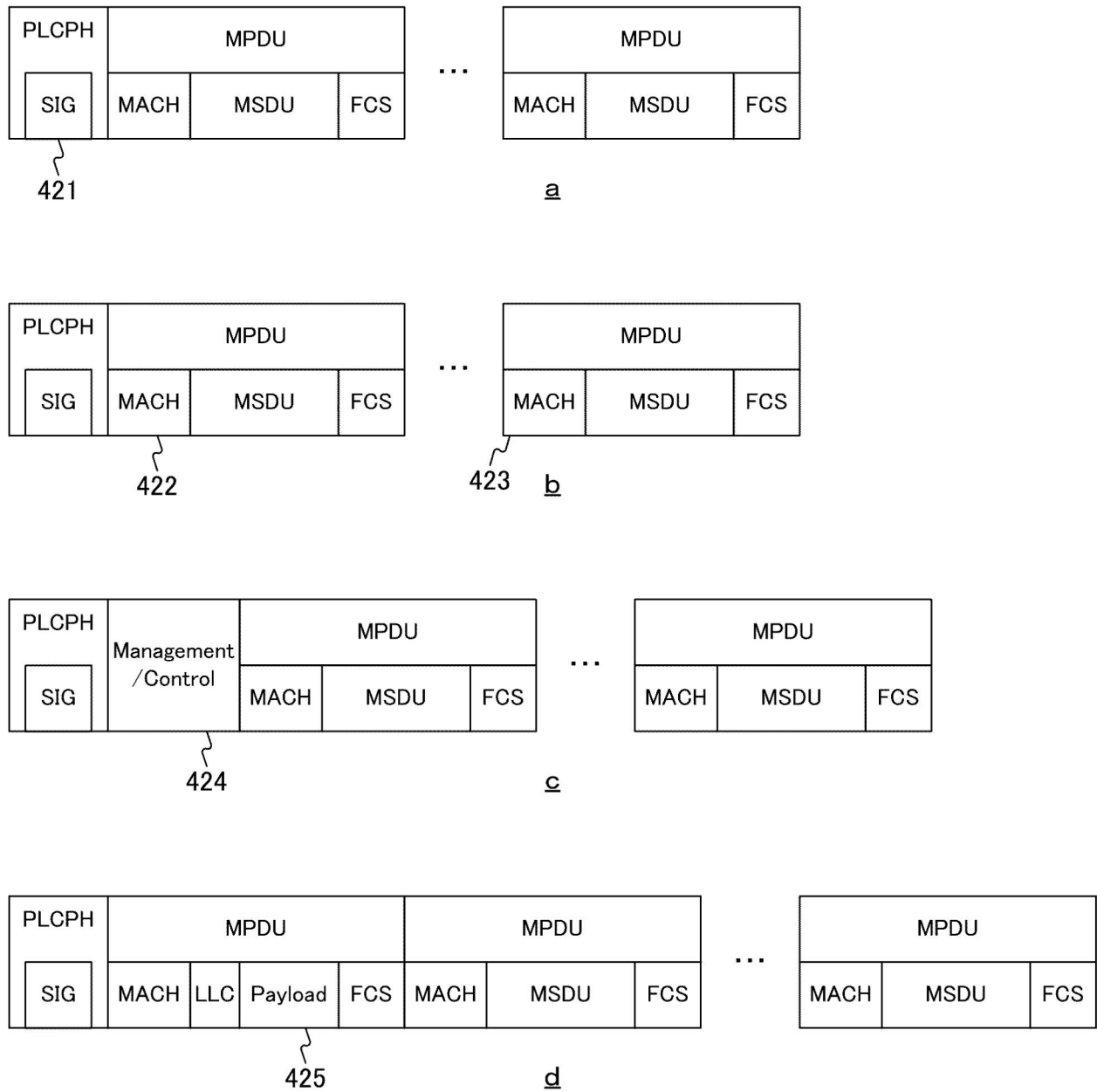


FIG. 14

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MODE NUMBER	MARGIN VALUE (dB)	TRANSMISSION PARAMETER 1 OF CHANGE TARGET		TRANSMISSION PARAMETER 2 OF CHANGE TARGET	
		TYPE	CHANGED COEFFICIENT VALUE	TYPE	CHANGED COEFFICIENT VALUE
1	40	TxPower	$\alpha = 1, \beta = 10$	AIFSN	$\gamma = 10$
2	30	TxPower	$\alpha = 1, \beta = 8$	AIFSN	$\gamma = 10$
3	20	TxPower	$\alpha = 1.5, \beta = 5$	AIFSN	$\gamma = 5$
4	10	TxPower	$\alpha = 2, \beta = 3$	AIFSN	$\gamma = 3$

FIG. 15

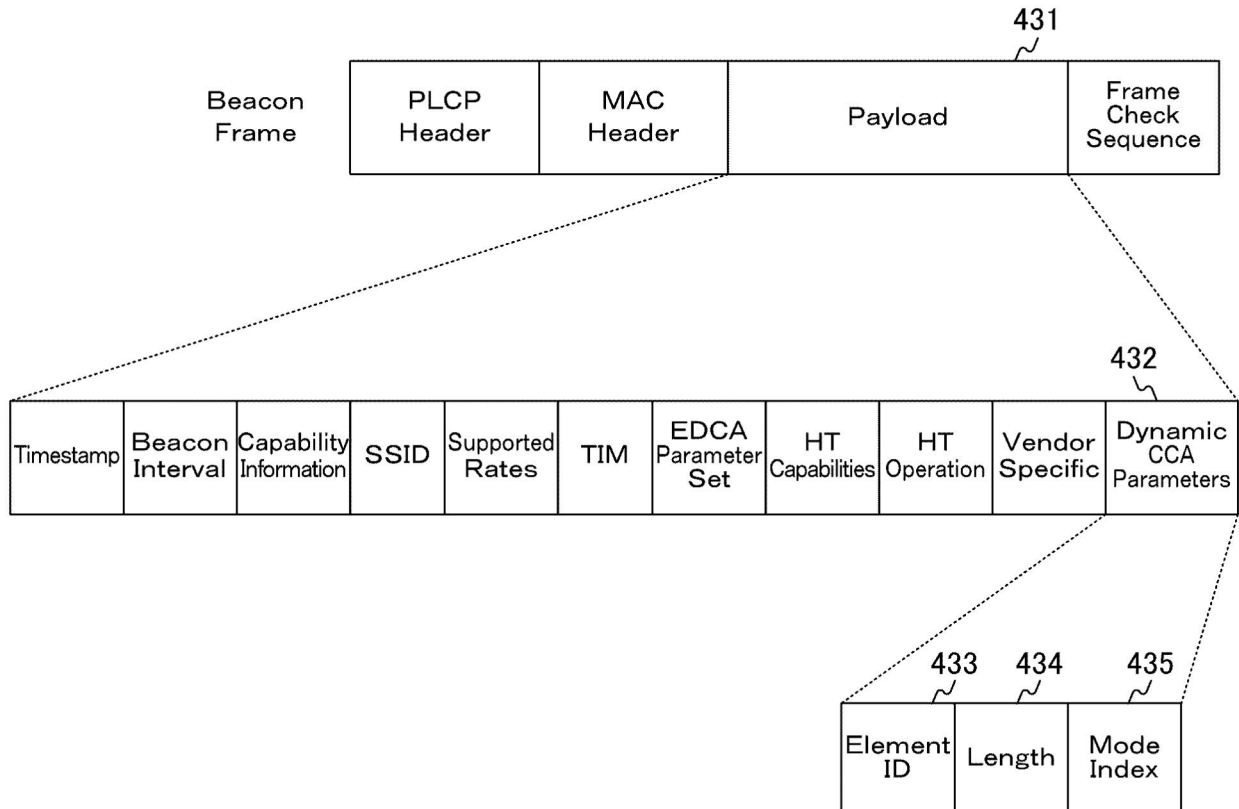
EXAMPLE OF FORMAT OF BEACON

FIG. 16

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EXAMPLE OF FORMAT OF BEACON

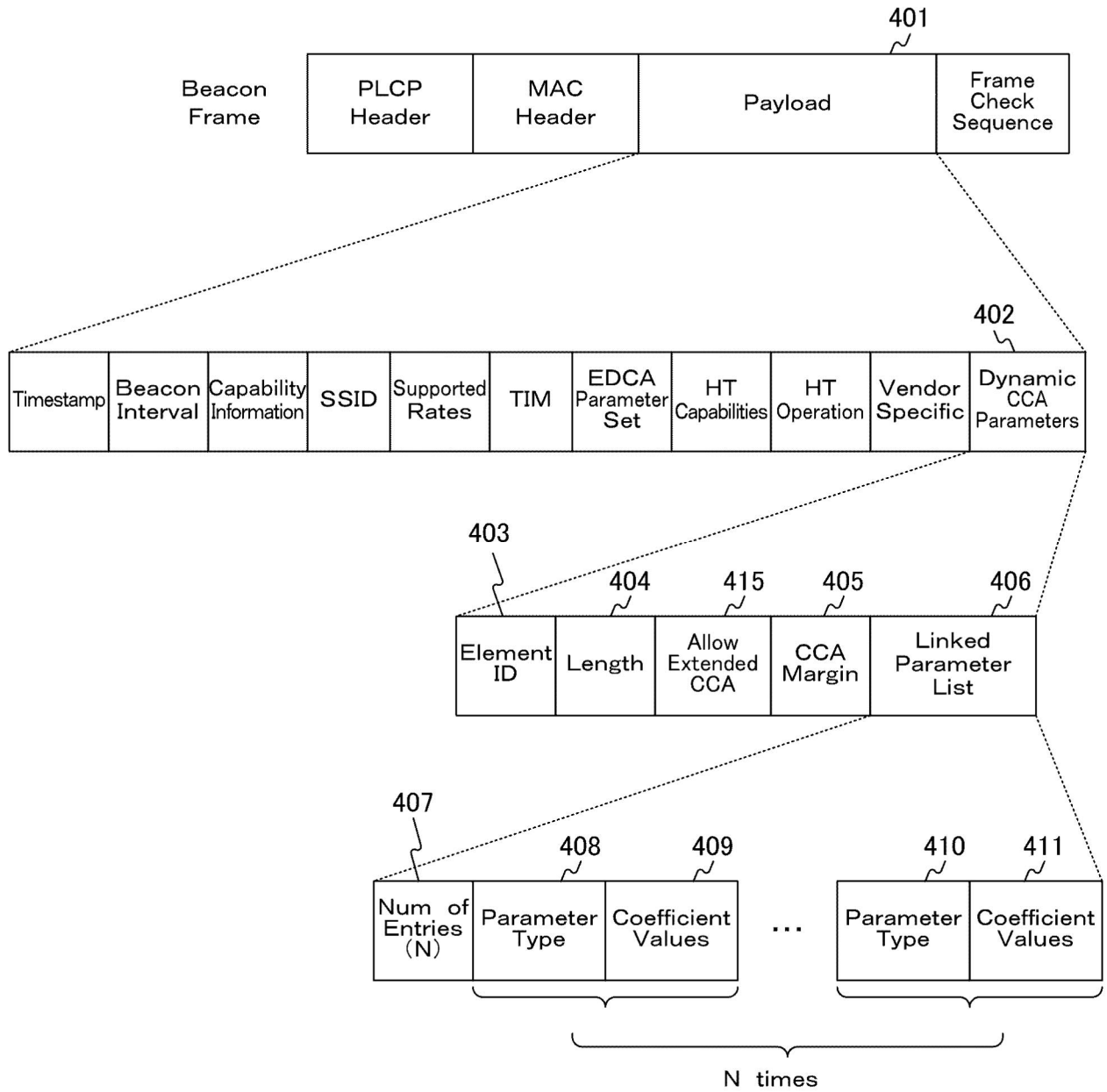


FIG. 17

EXAMPLE OF FORMAT OF BEACON

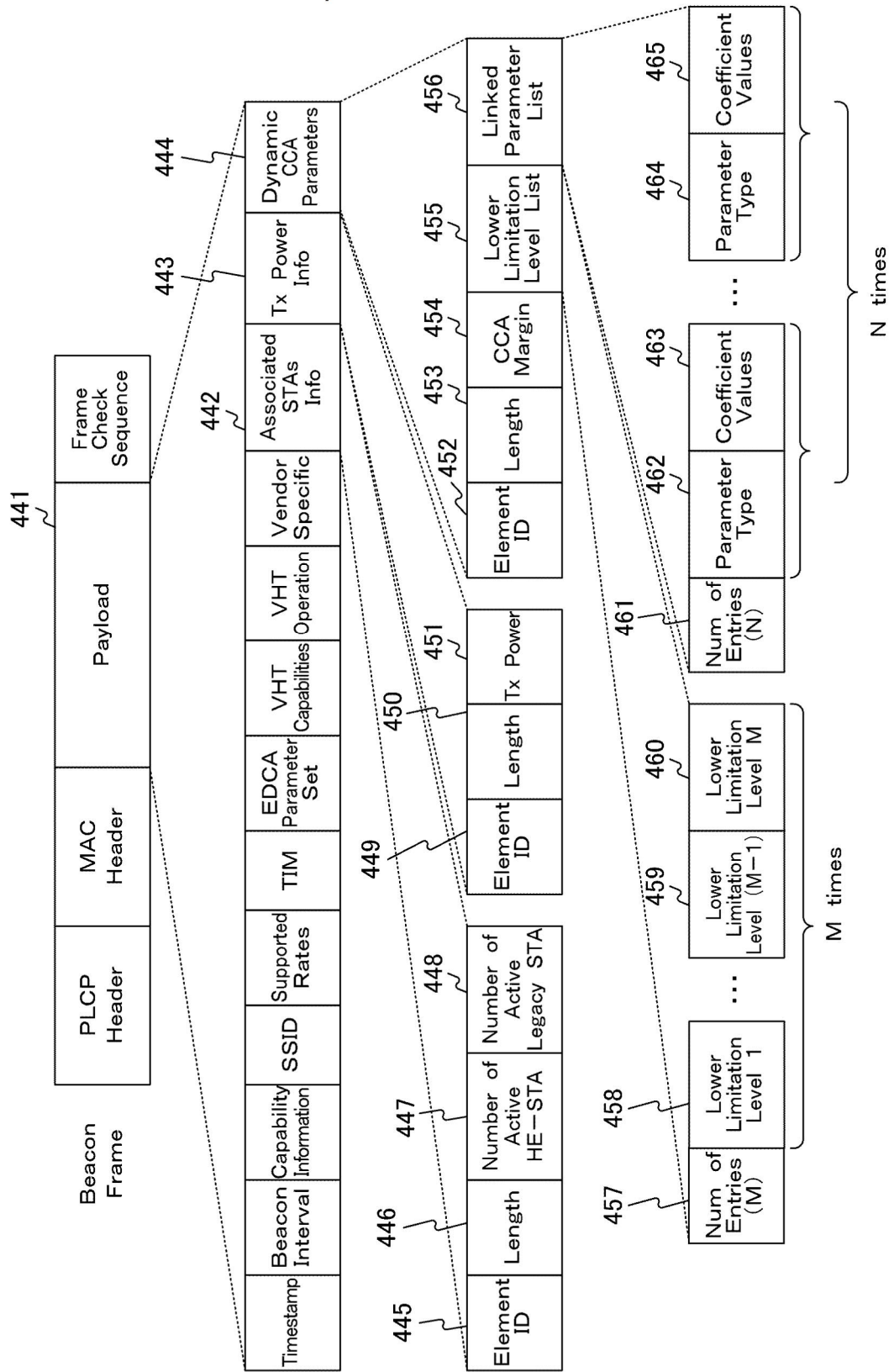


FIG. 18

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EXAMPLE OF OPERATION OF INFORMATION PROCESSING APPARATUS (AP)
AND INFORMATION PROCESSING APPARATUS (STA)

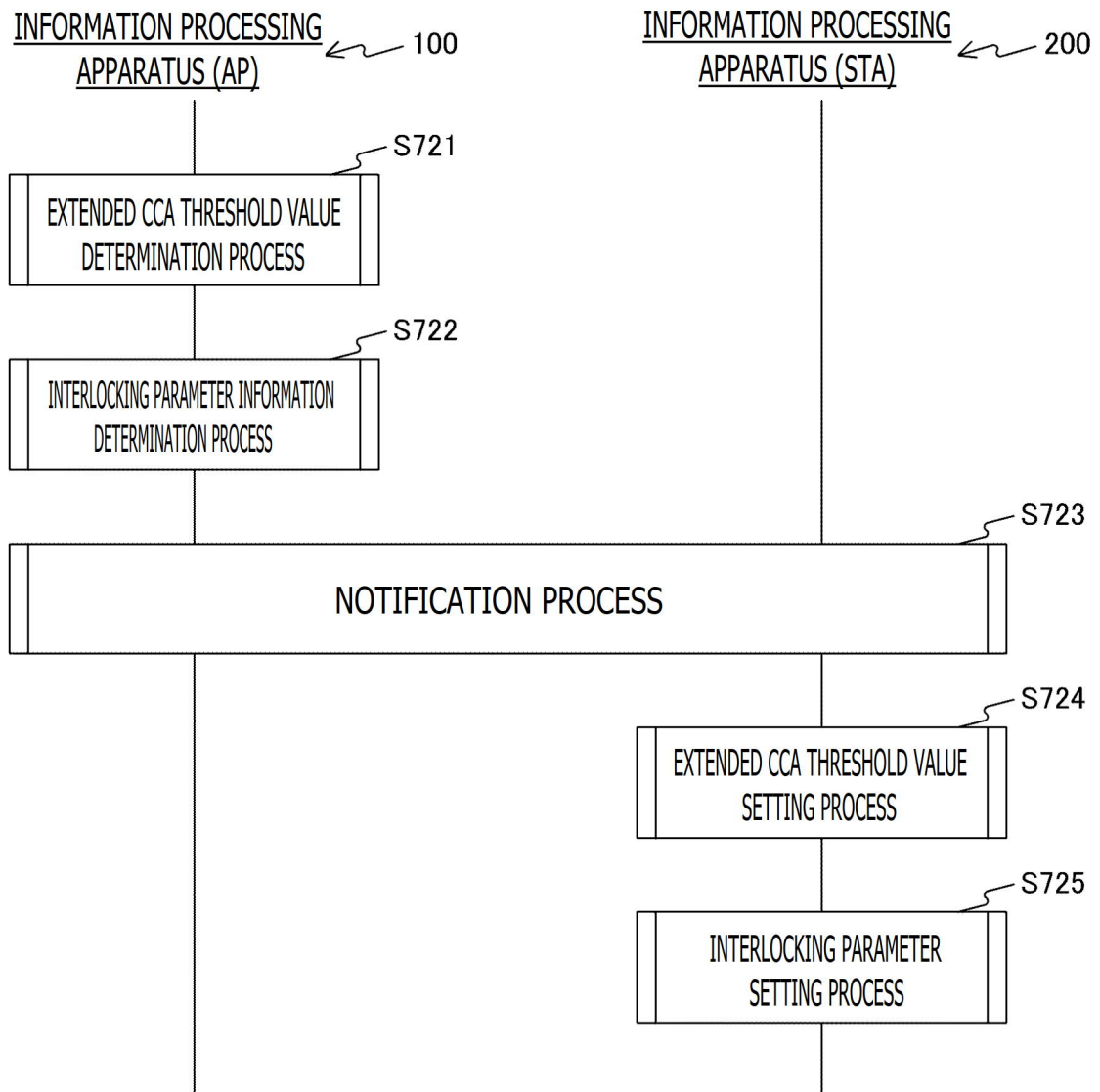


FIG. 19

EXAMPLE OF FORMAT OF BEACON

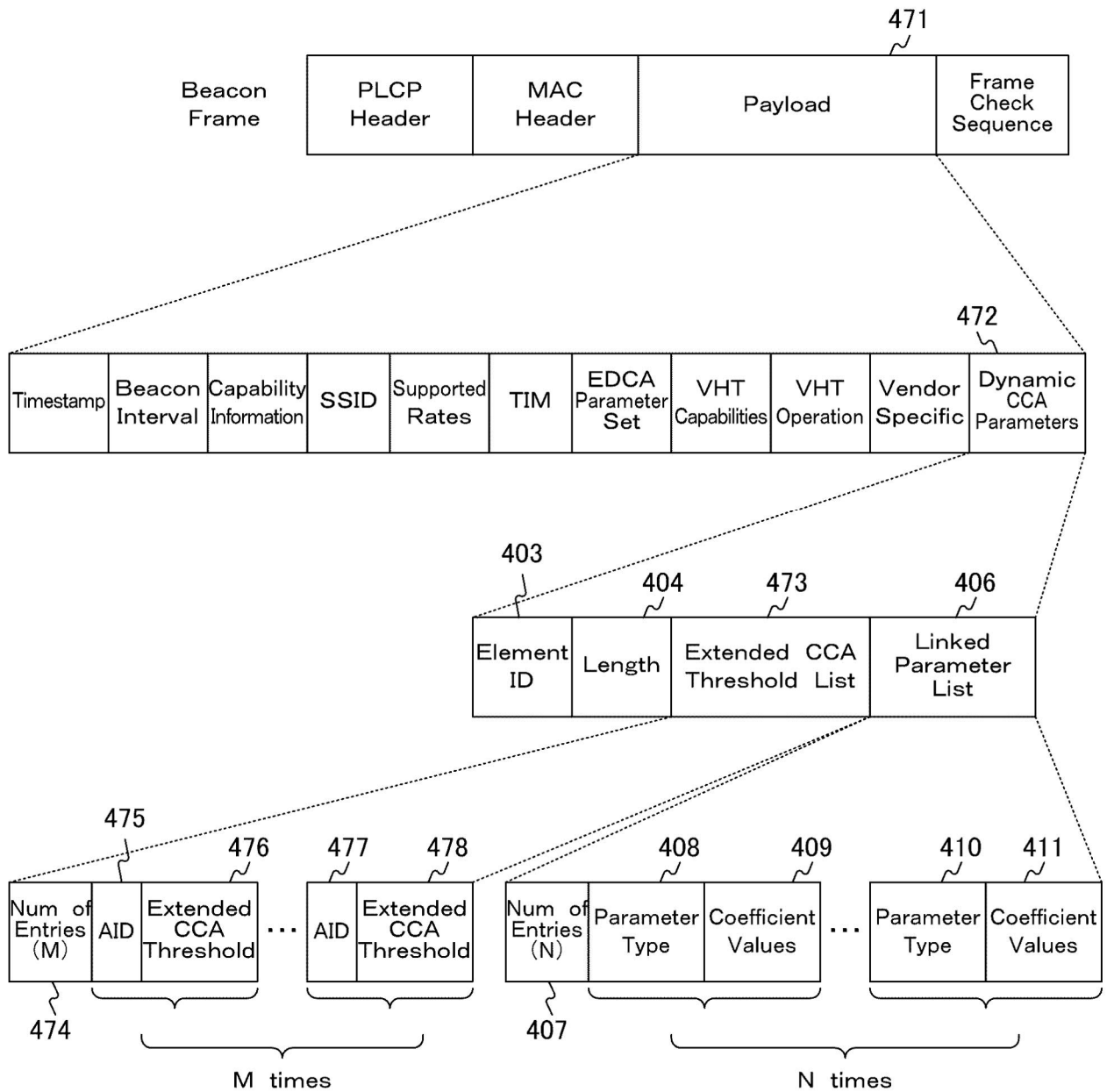


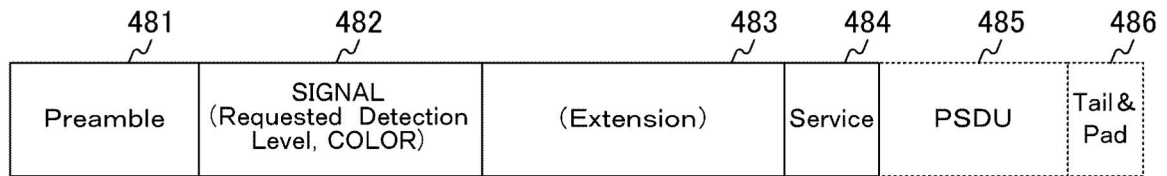
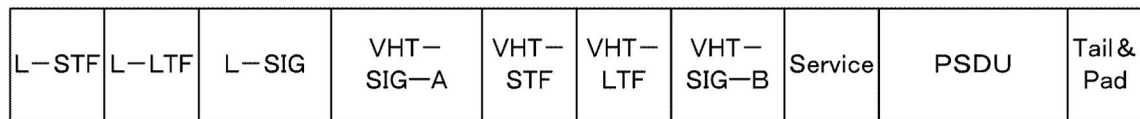
FIG. 20EXAMPLE OF FORMAT OF PLCP HEADERab

FIG. 21

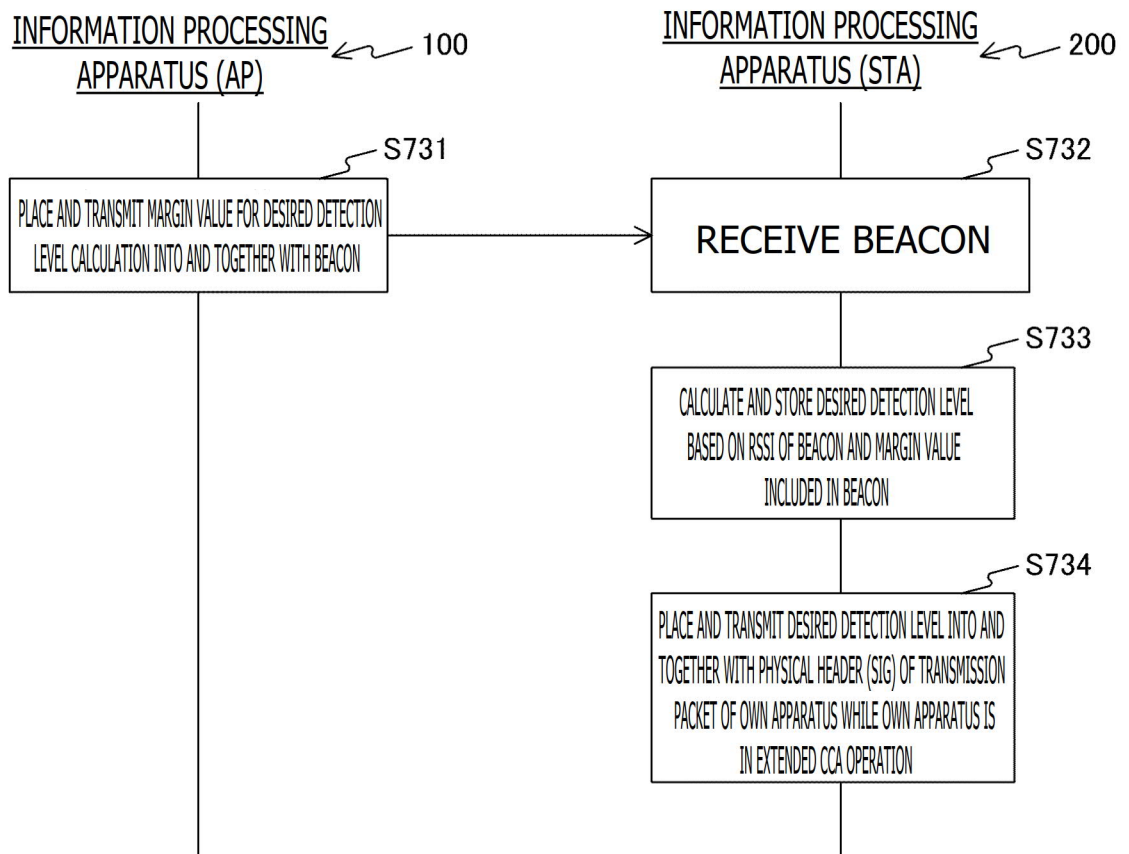
EXAMPLE OF SETTING OF DESIRED DETECTION LEVEL

FIG. 22

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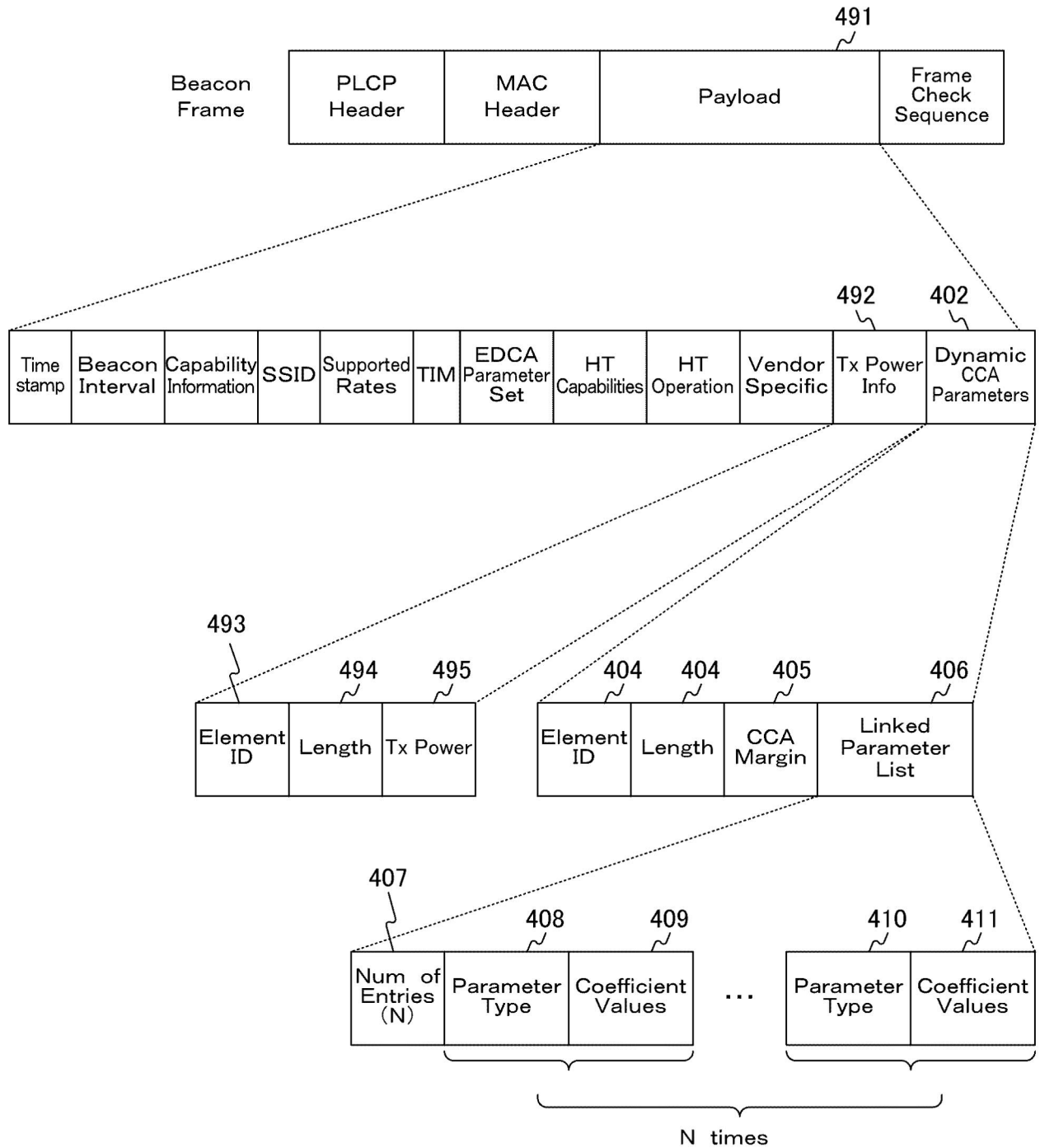
EXAMPLE OF FORMAT OF BEACON

FIG. 23

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EXAMPLE OF OPERATION OF INFORMATION PROCESSING APPARATUS (AP)
AND INFORMATION PROCESSING APPARATUS (STA)

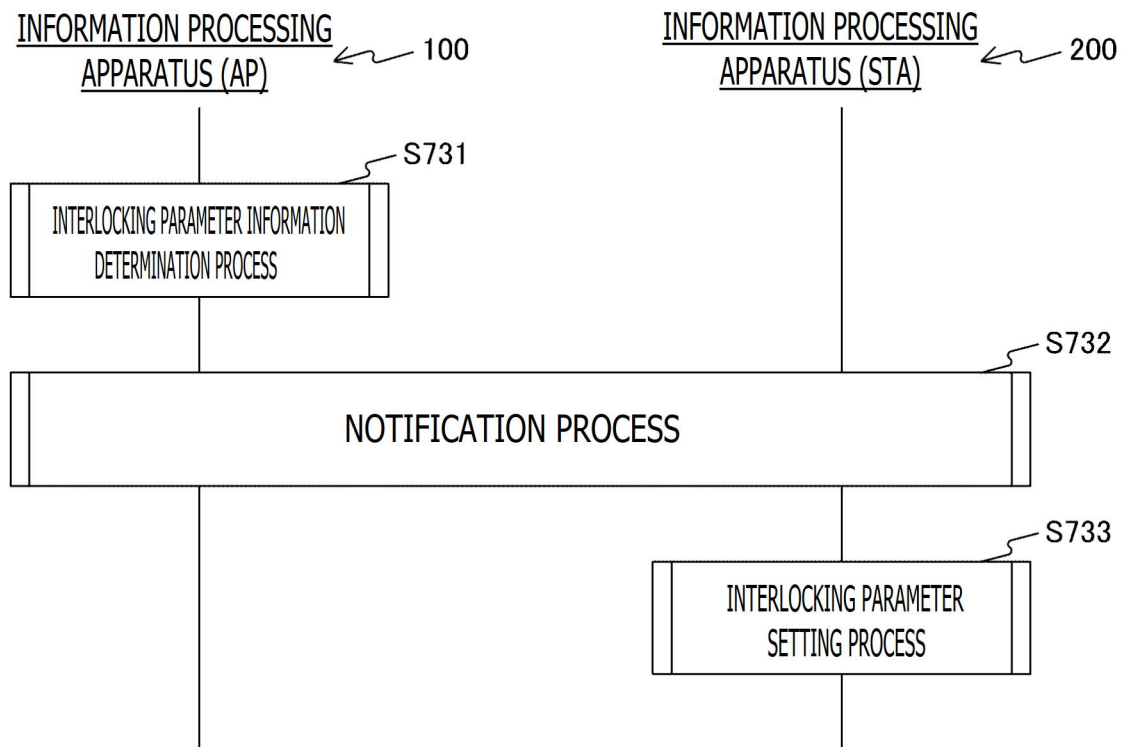


FIG. 24

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EXAMPLE OF OPERATION OF INFORMATION PROCESSING APPARATUS (AP)
AND INFORMATION PROCESSING APPARATUS (STA)

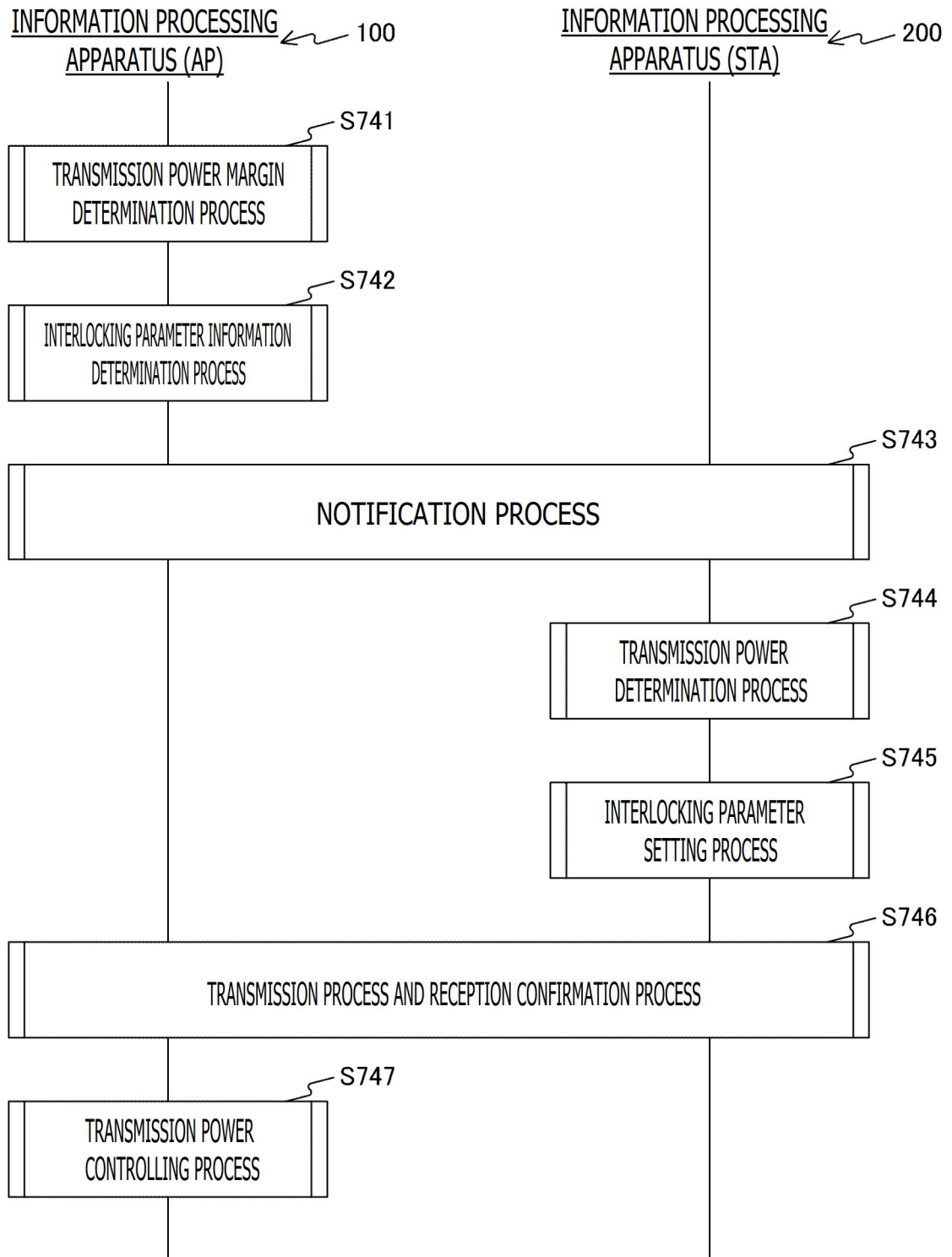


FIG. 25

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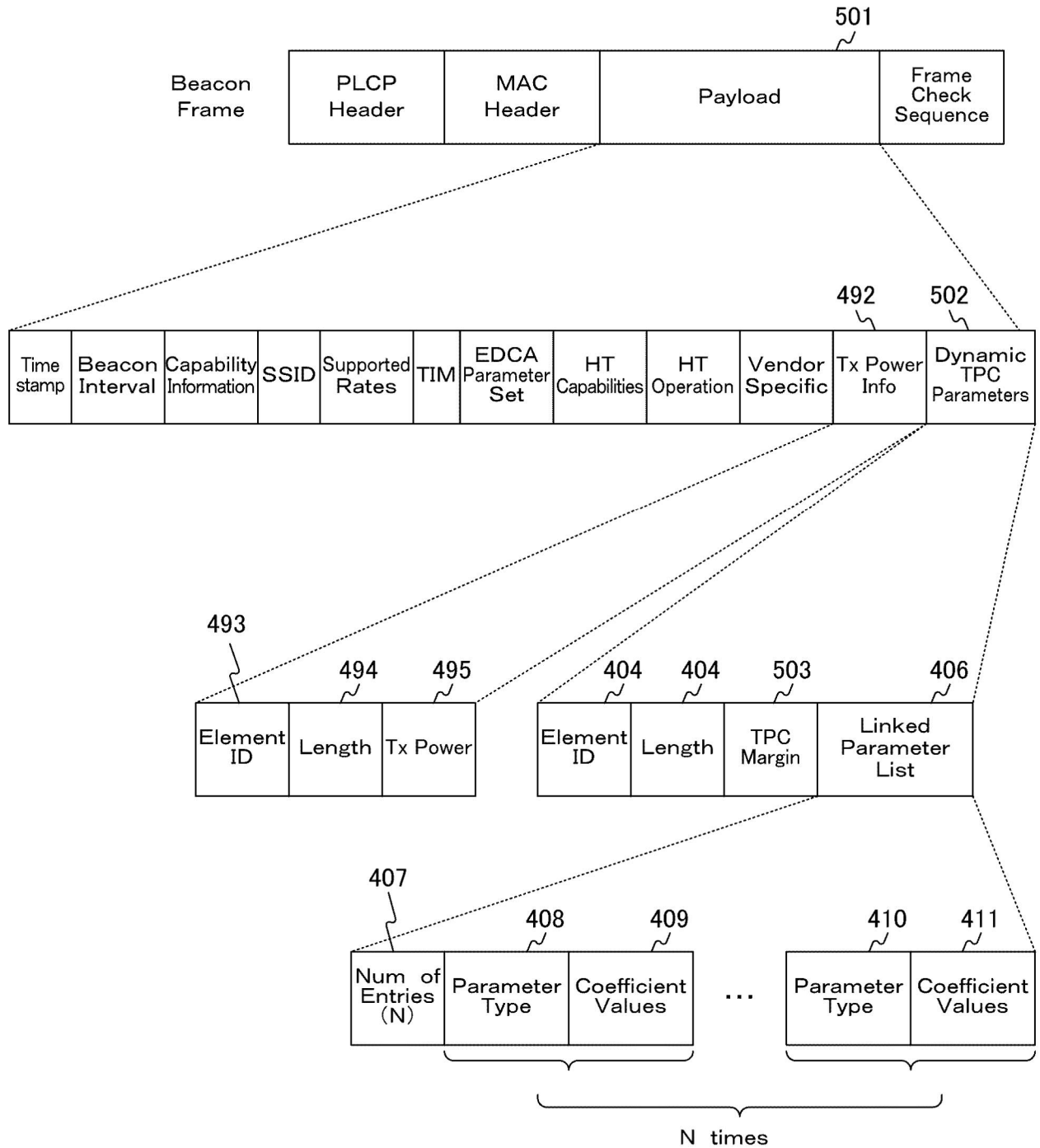
EXAMPLE OF FORMAT OF BEACON

FIG. 26

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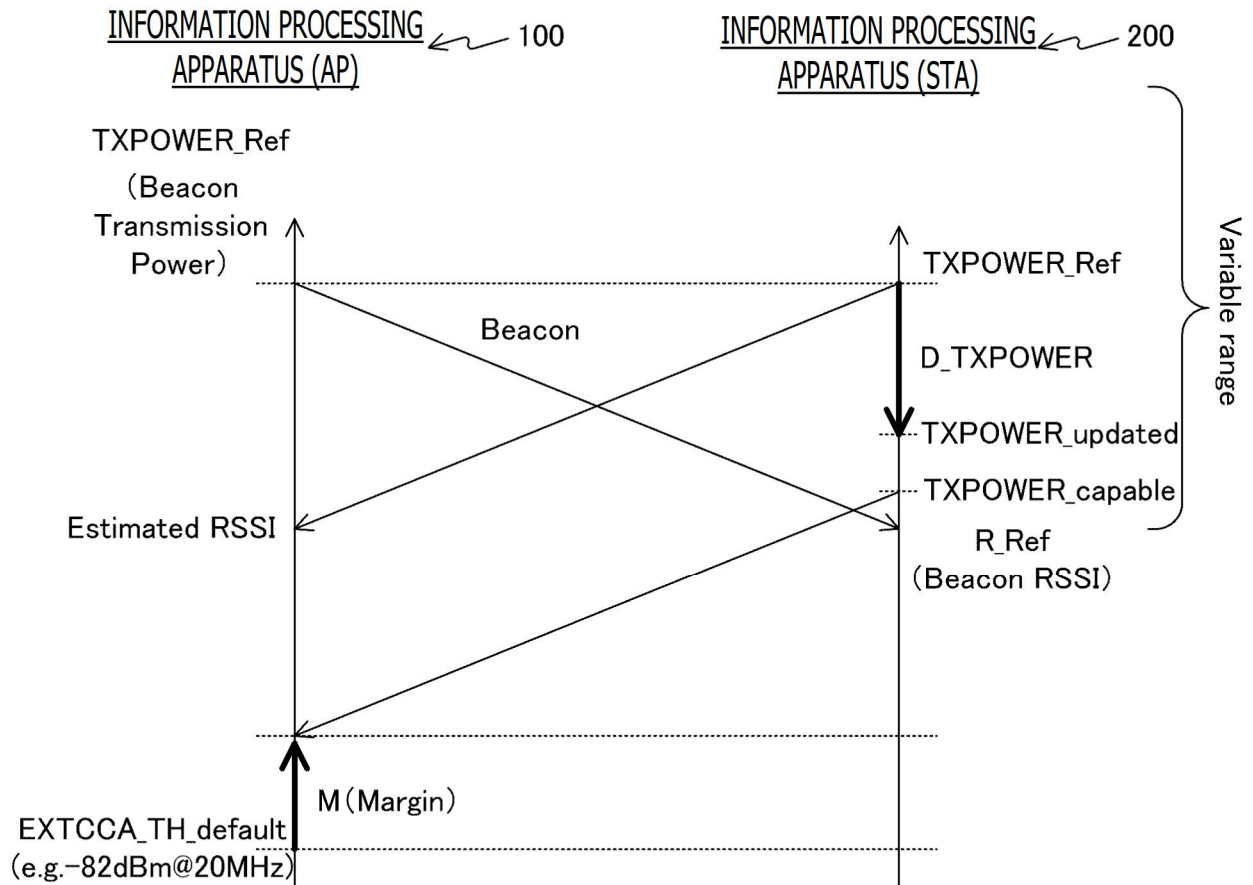
EXAMPLE OF TRANSMISSION POWER DETERMINATION PROCESS

FIG. 27

EXAMPLE OF FORMAT OF BEACON

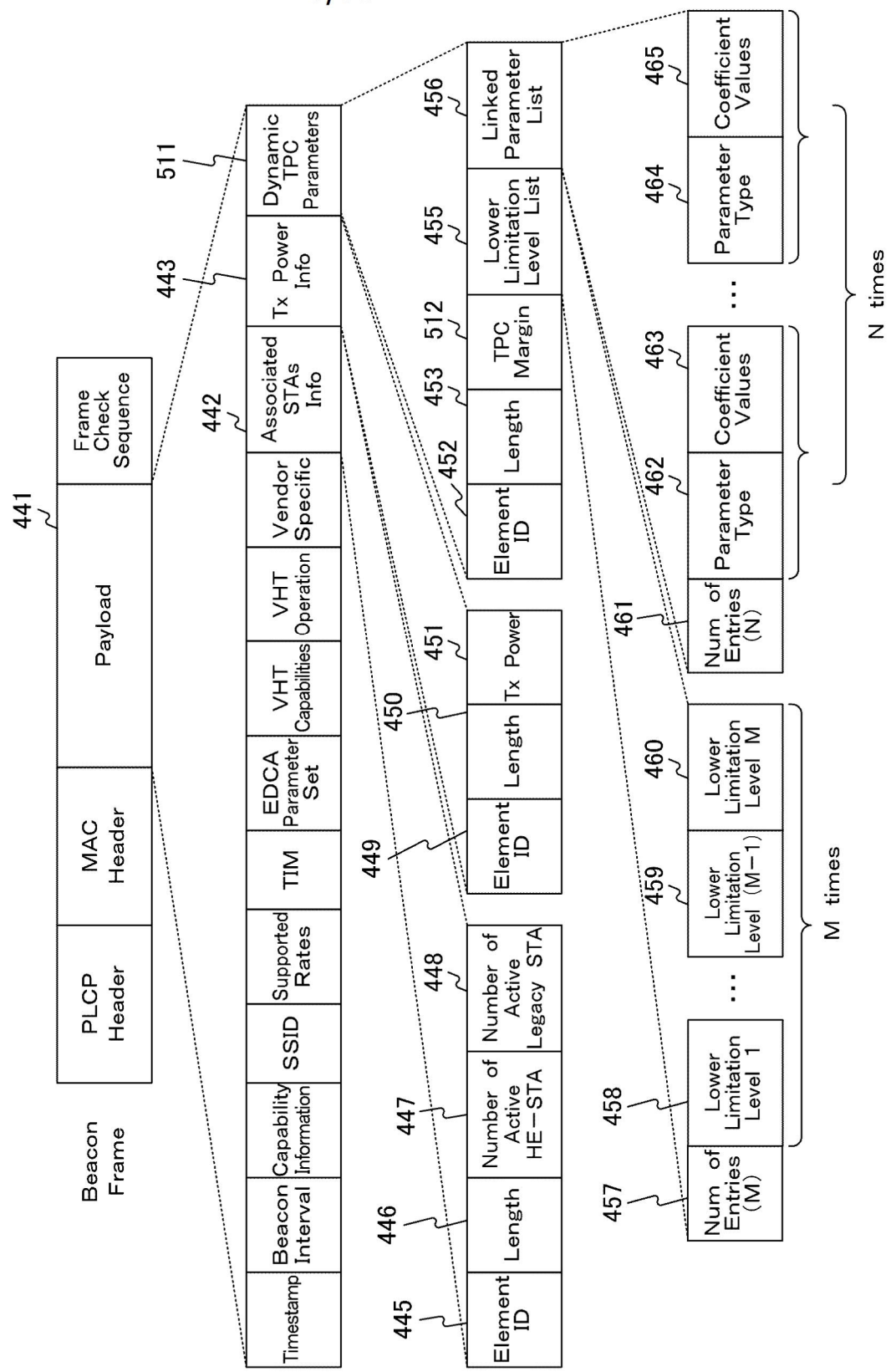
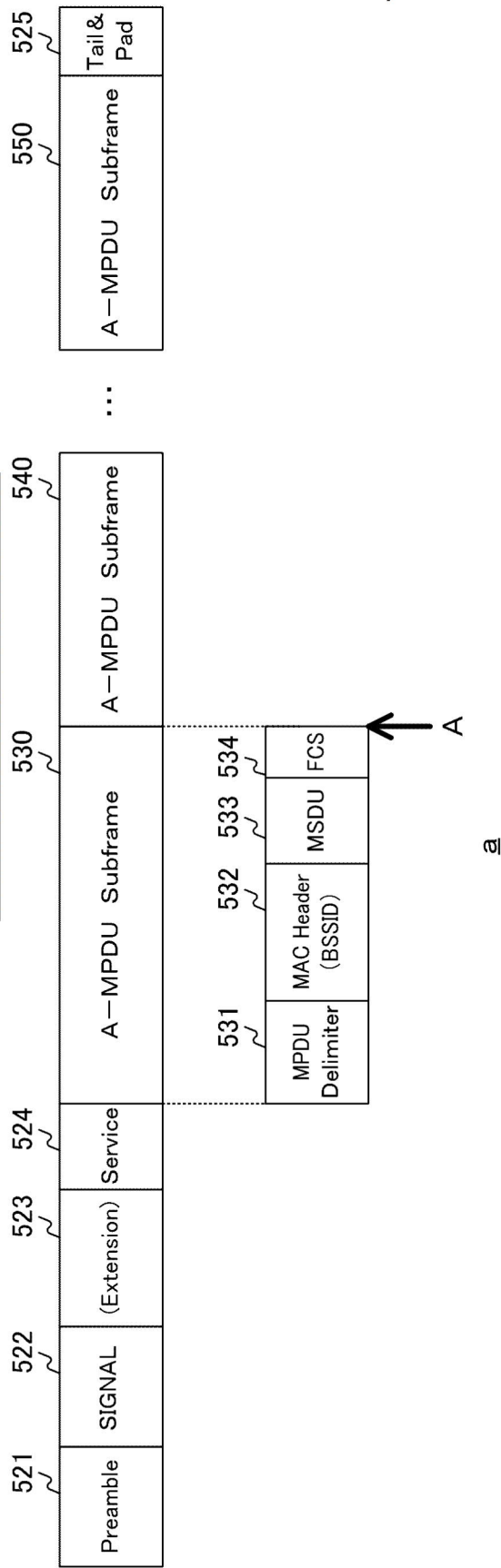


FIG. 28 EXAMPLE OF FORMAT OF FRAME USED IN EXTENDED CCA PROCESS THAT UTILIZES MAC HEADER



EXAMPLE OF FORMAT OF FRAME USED IN EXTENDED CCA PROCESS THAT UTILIZES PLCP HEADER

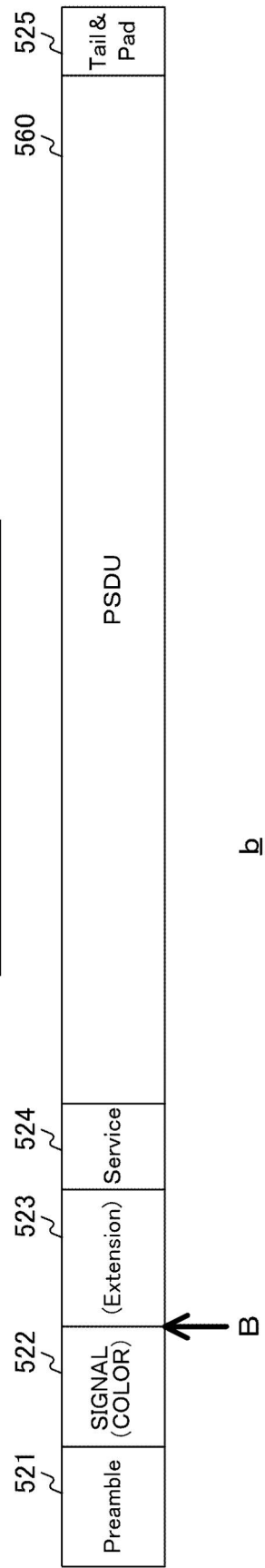


FIG. 29

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FIRST PROCESS CLASSIFICATION TABLE
(FOR DECISION BY PLCP HEADER)

	CRC CALCULATION RESULT OF PLCP HEADER IS ERROR-FREE			CRC CALCULATION RESULT OF PLCP HEADER IS ERROR
	COLOR IN PLCP HEADER IS SAME AS BELONGING BSS	COLOR IN PLCP HEADER IS DIFFERENT FROM BELONGING BSS	COLOR INFORMATION DOES NOT EXIST	
CORRELATOR OUTPUT STRENGTH IS LOWER THAN EXTENDED CCA THRESHOLD VALUE	RECEPTION	ABORTION OF RECEPTION (IDLE)	RECEPTION	ABORTION OF RECEPTION (ERROR) ※IFS=EIFS
CORRELATOR OUTPUT STRENGTH IS EQUAL TO OR HIGHER THAN EXTENDED CCA THRESHOLD VALUE	RECEPTION	ABORTION OF RECEPTION (BUSY)	RECEPTION	

a

SECOND PROCESS CLASSIFICATION TABLE
(FOR DECISION BY MAC HEADER)

	CRC CALCULATION RESULT FOR MAC FCS IS ERROR-FREE		CRC CALCULATION RESULT FOR MAC FCS IS IN ERROR
	BSSID IN MAC HEADER IS SAME AS BELONGING BSS	BSSID IN MAC HEADER IS DIFFERENT FROM BELONGING BSS	
CORRELATOR OUTPUT STRENGTH IS LOWER THAN EXTENDED CCA THRESHOLD VALUE	CONTINUATION OF RECEPTION	ABORTION OF RECEPTION (IDLE)	CONTINUATION OF RECEPTION
CORRELATOR OUTPUT STRENGTH IS EQUAL TO OR HIGHER THAN EXTENDED CCA THRESHOLD VALUE	CONTINUATION OF RECEPTION	ABORTION OF RECEPTION (BUSY)	

b

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FIG. 30

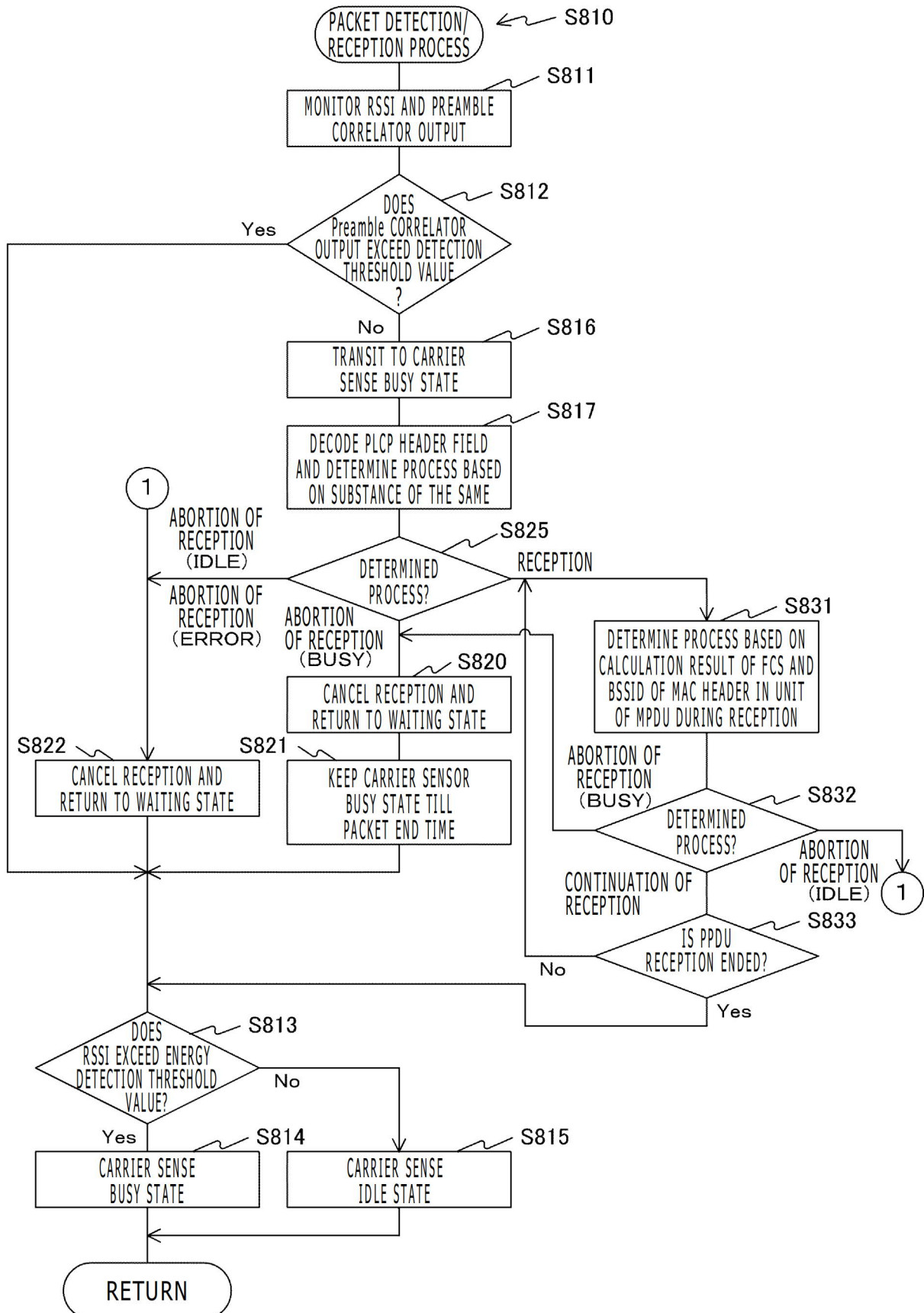


FIG. 31

EXAMPLE OF VIRTUAL SUBTRACTION PROCESS OF BACKOFF COUNTER

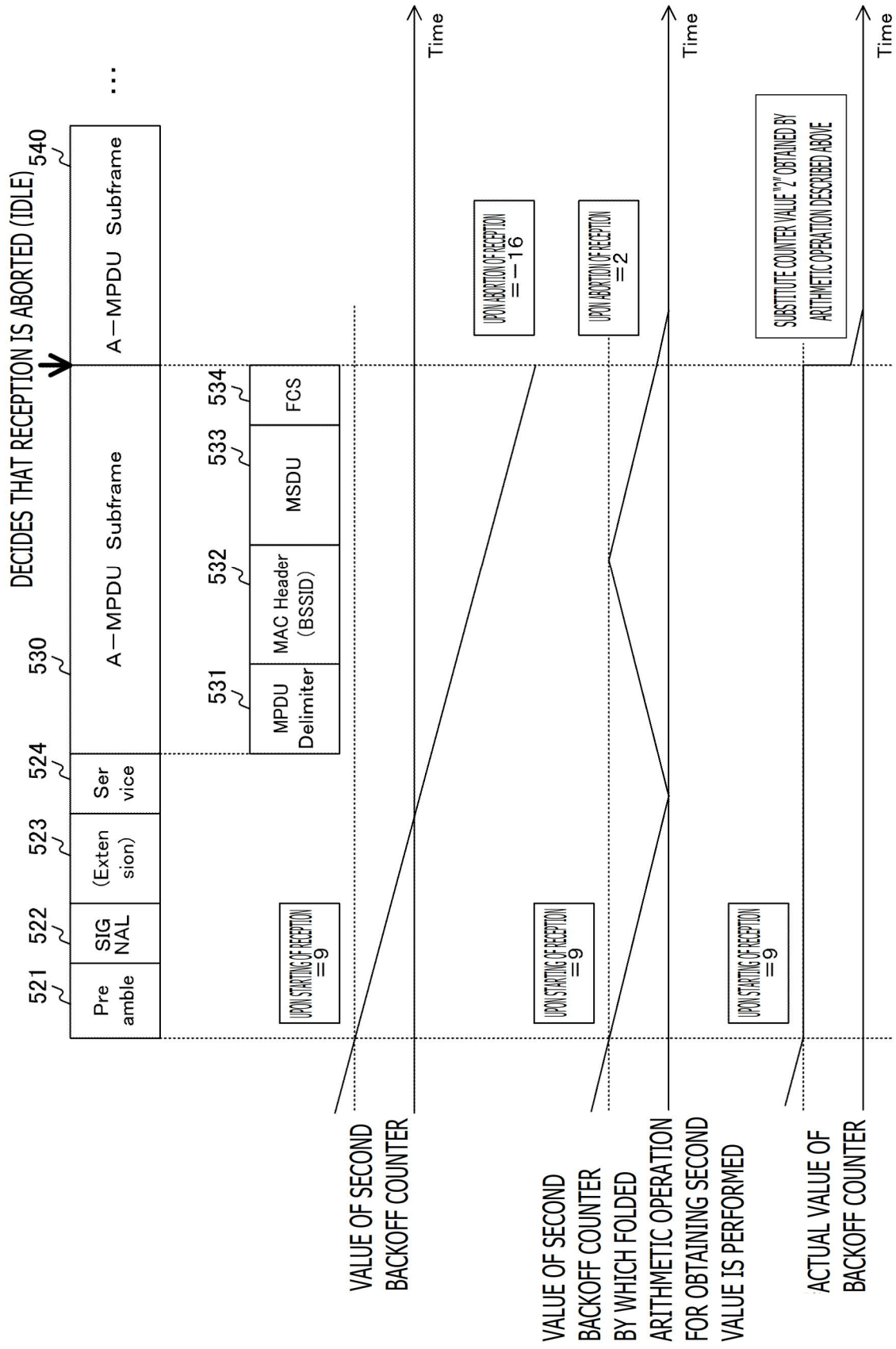
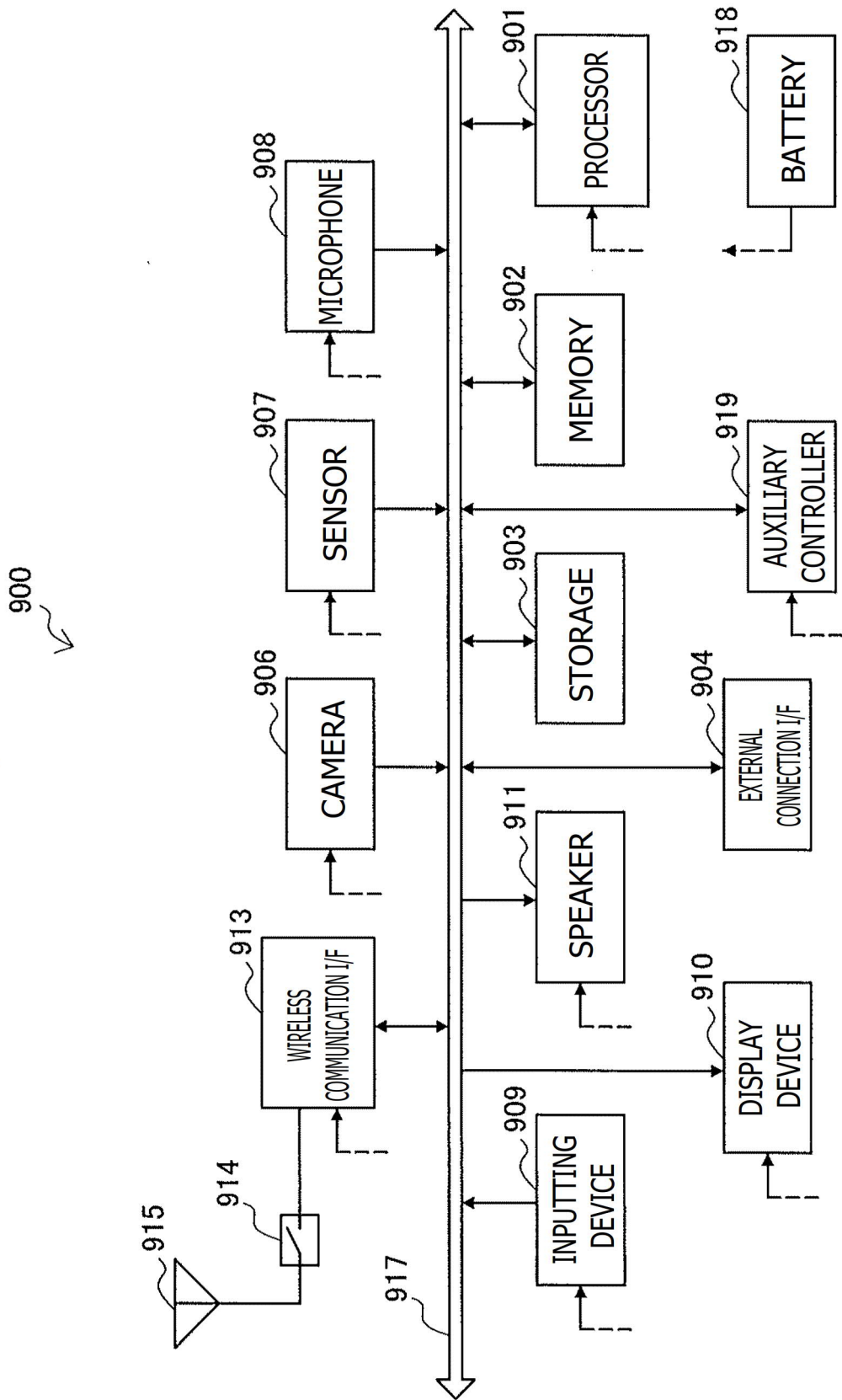


FIG. 32



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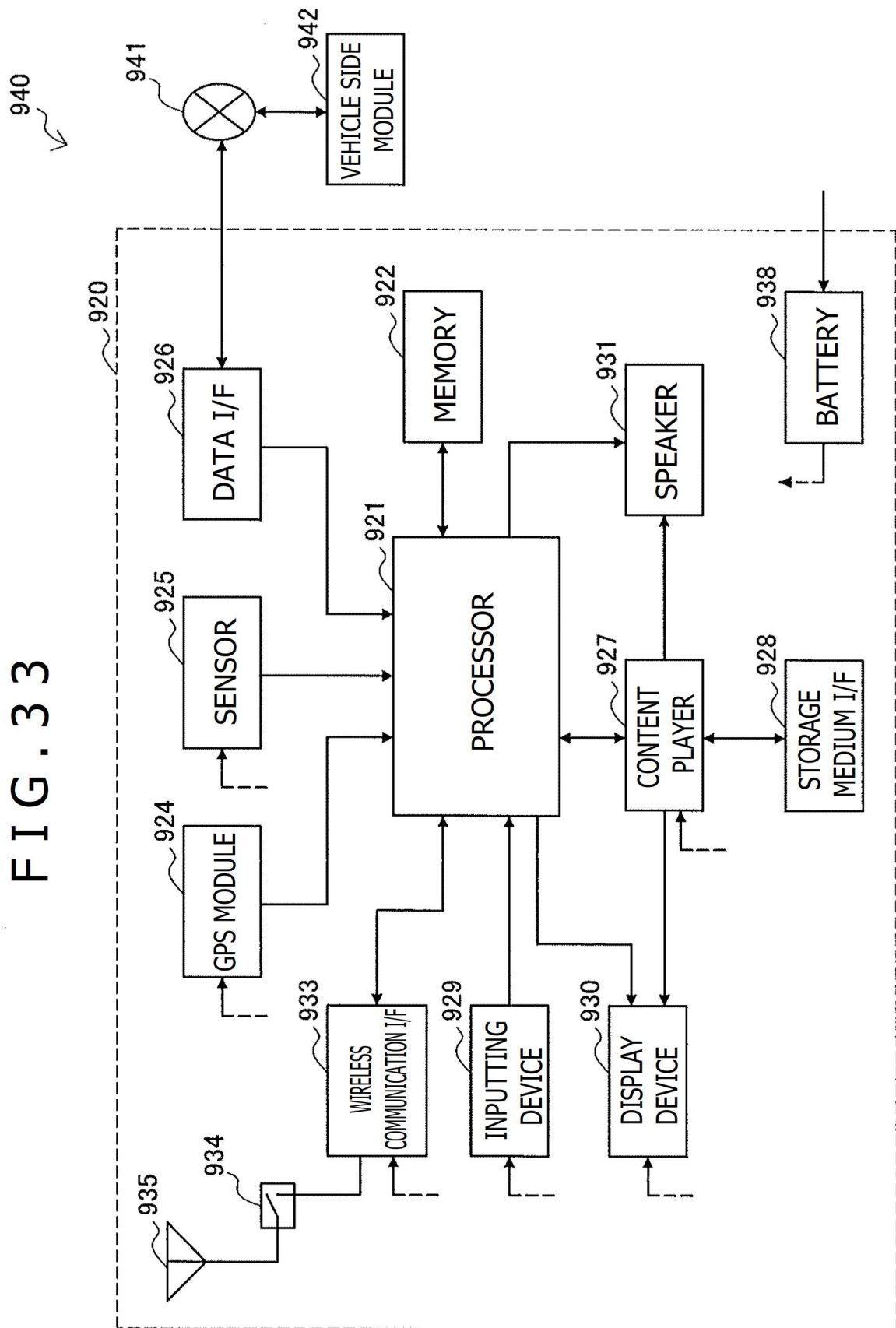


FIG. 34

