

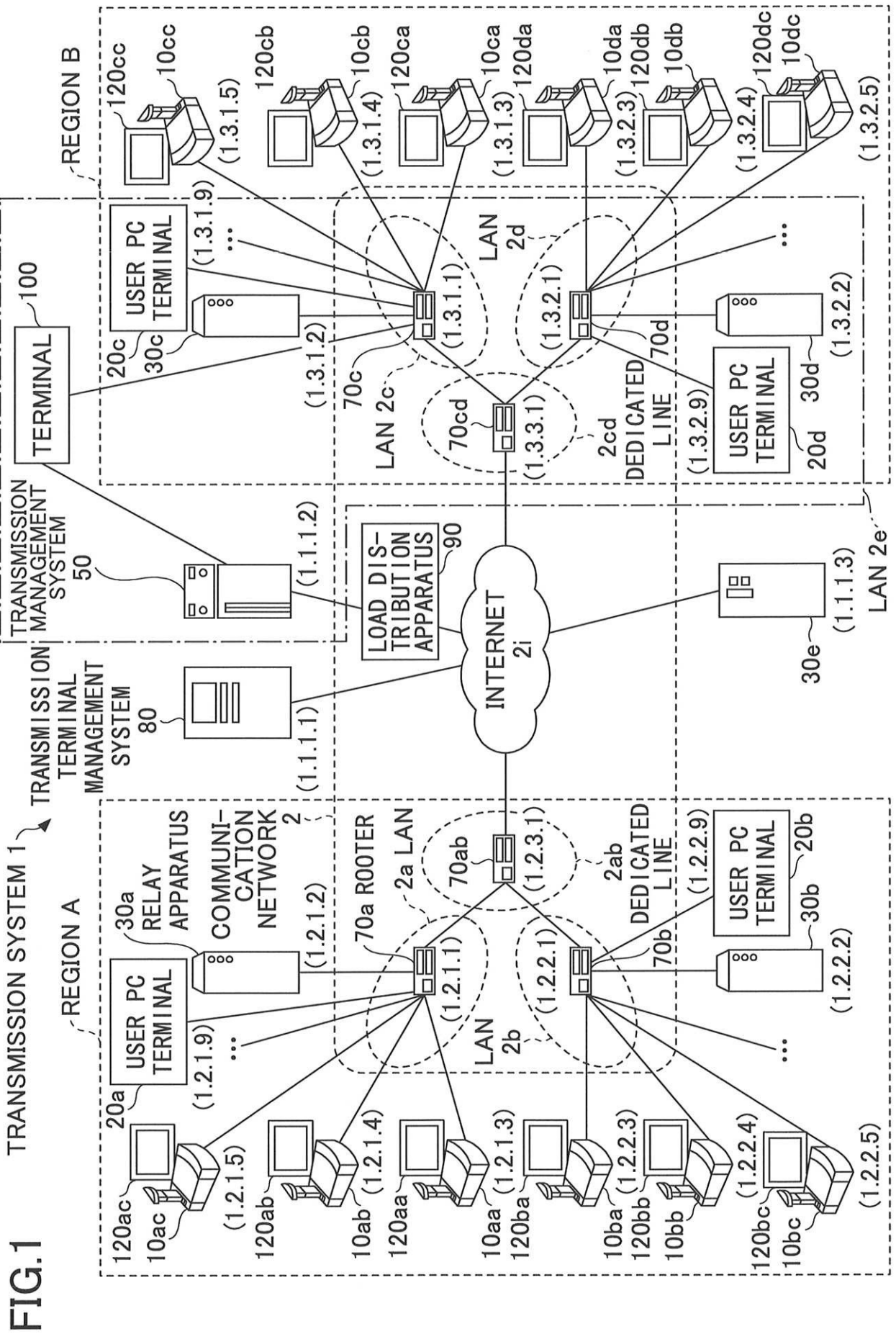


FIG. 2

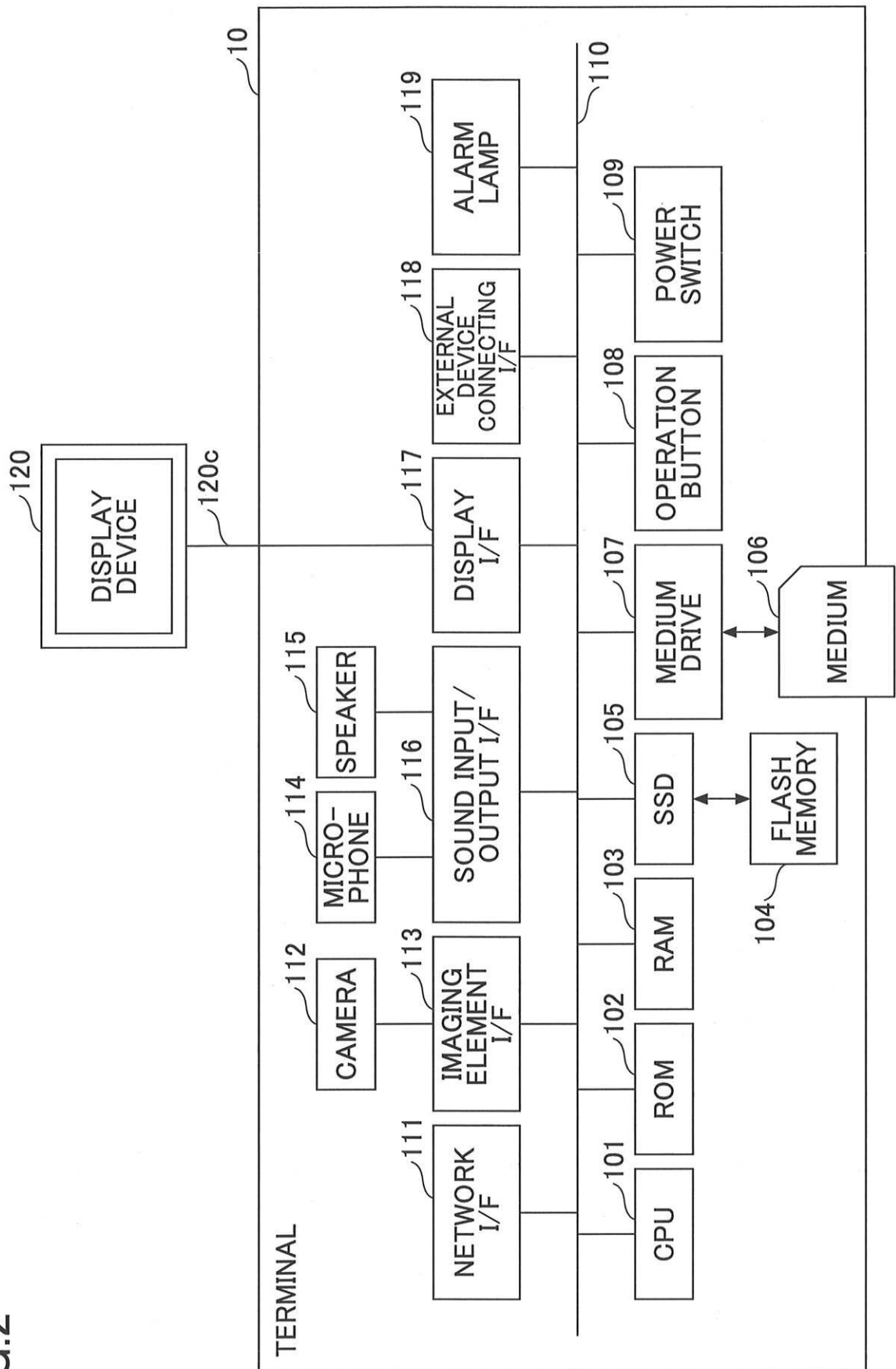


FIG.3

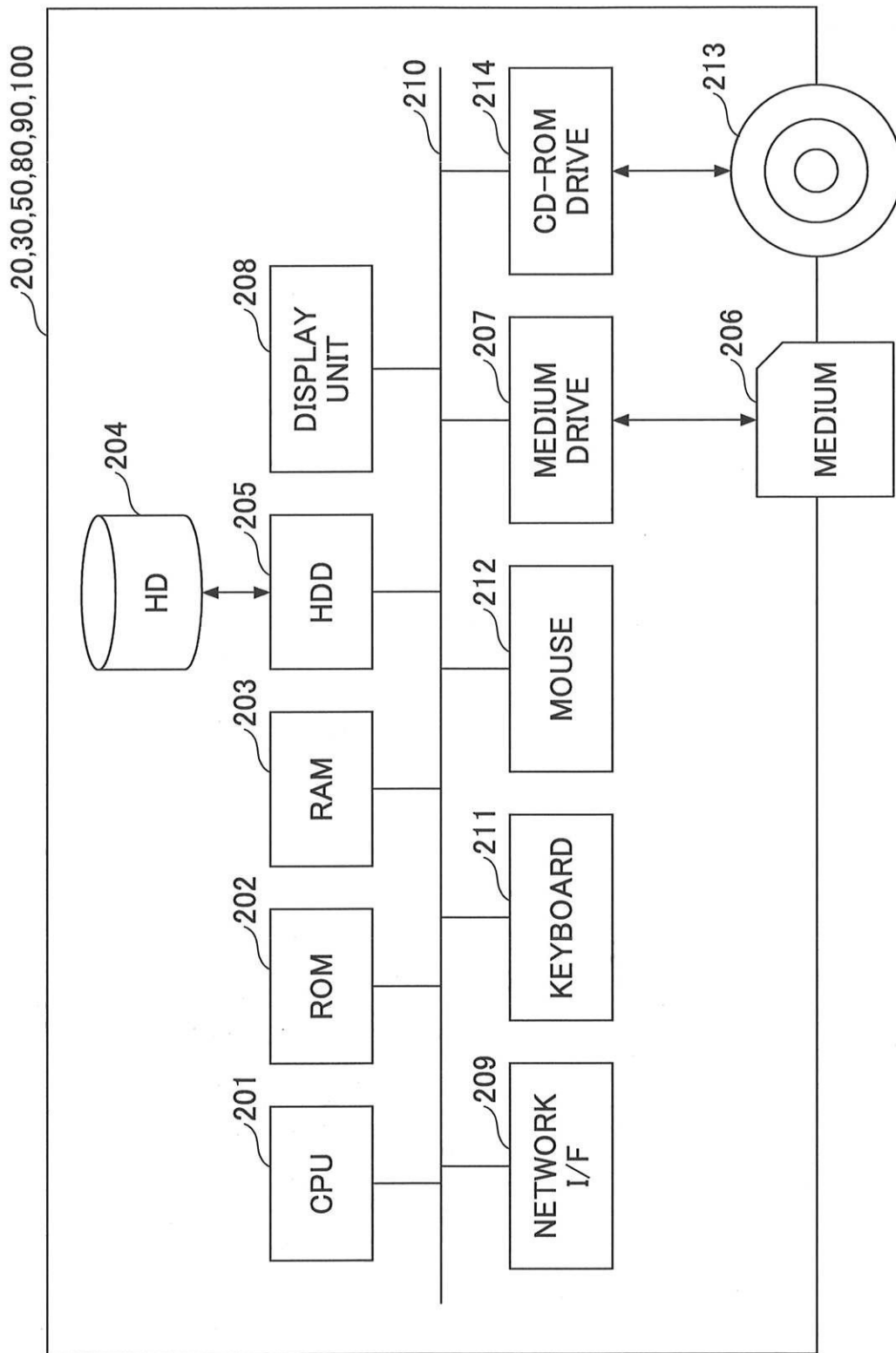


FIG.4

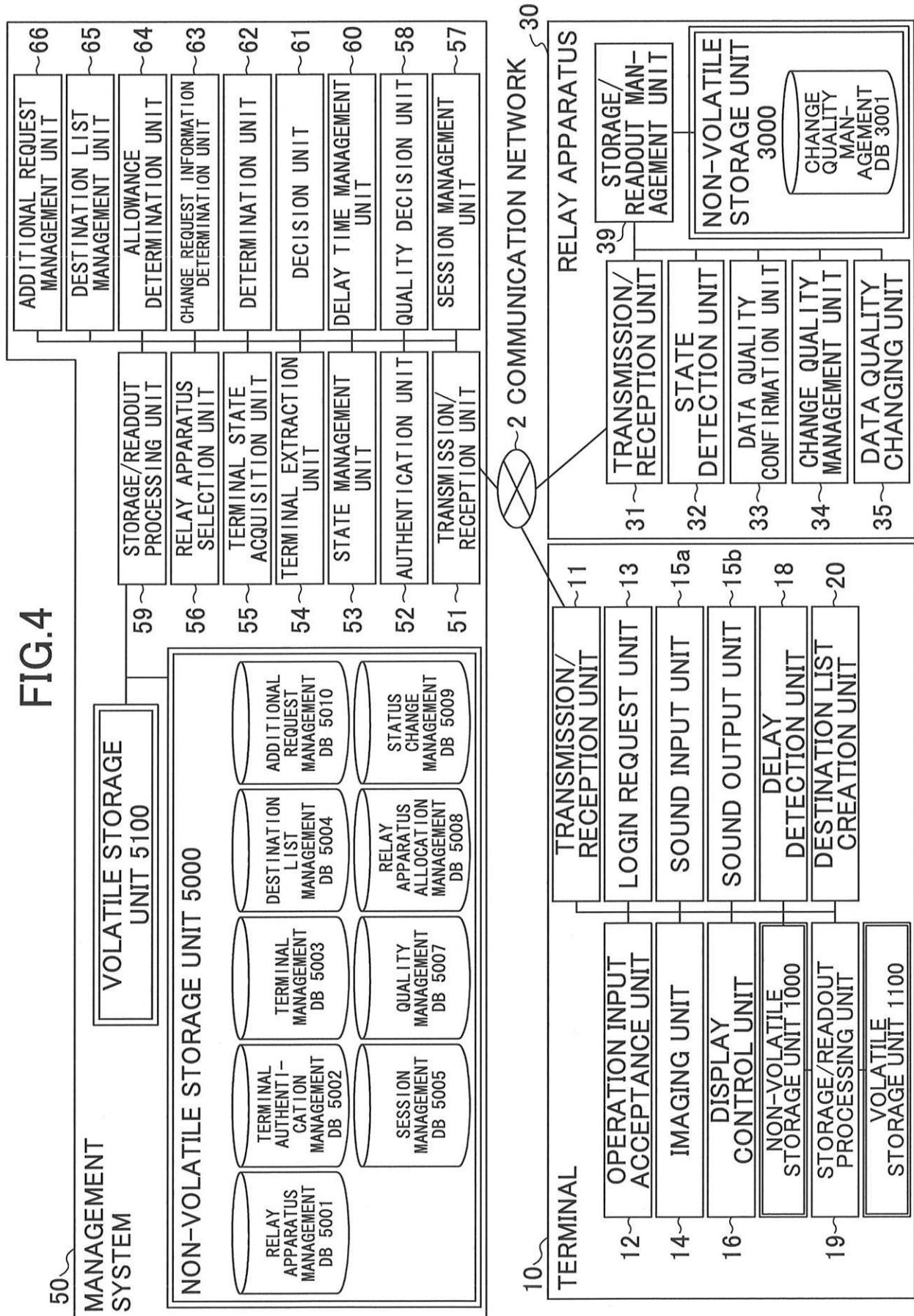


FIG.5

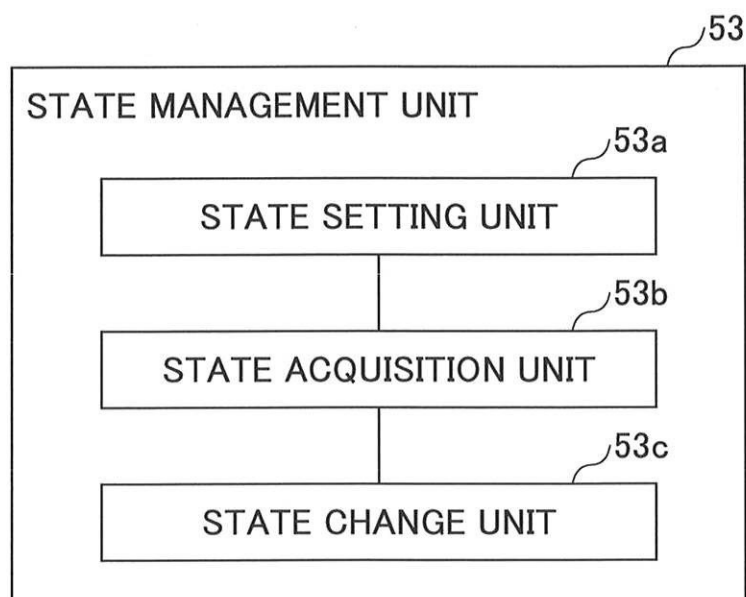
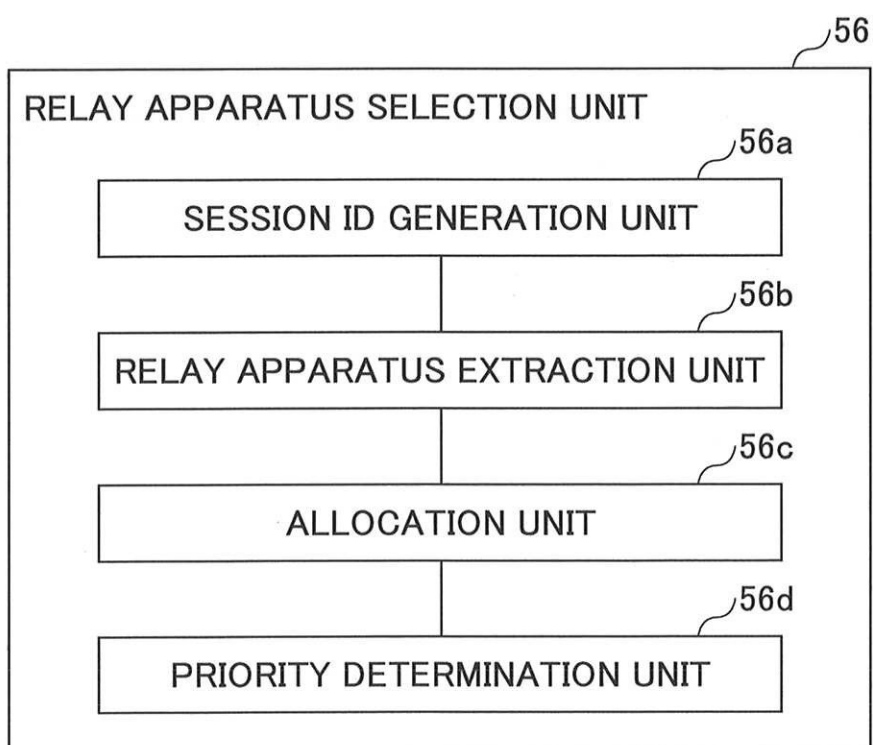


FIG.6

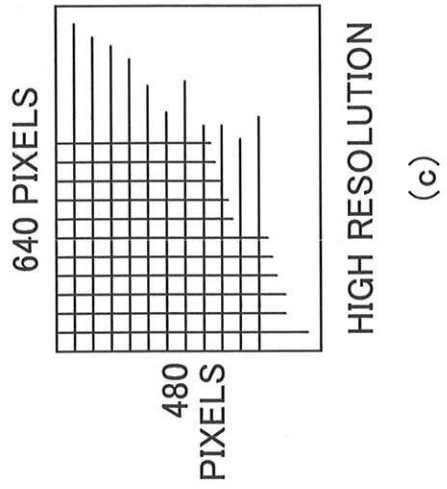
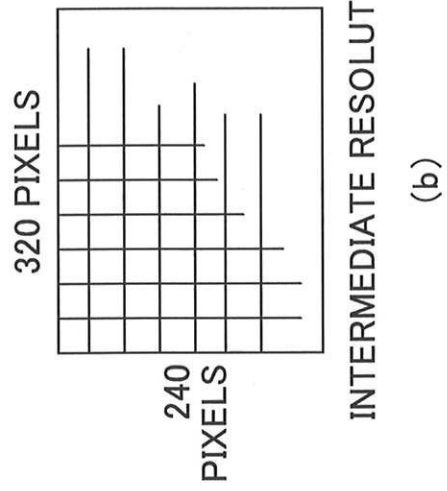
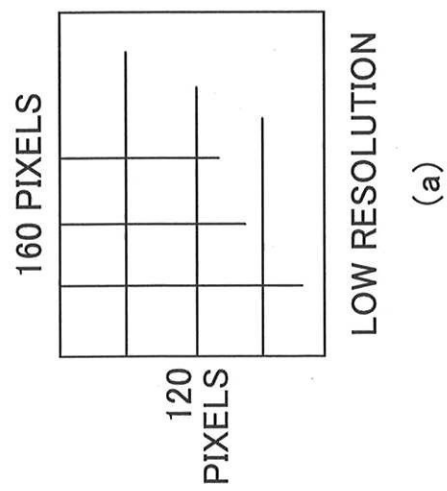


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FIG.7

CHANGE QUALITY MANAGEMENT TABLE

IP ADDRESS OF RELAY DESTINATION TERMINAL	IMAGE QUALITY OF RELAYED IMAGE DATA (QUALITY OF IMAGE)
1.3.2.4	HIGH IMAGE QUALITY
1.3.1.3	LOW IMAGE QUALITY
1.3.2.3	INTERMEDIATE IMAGE QUALITY
...	...

FIG.8



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FIG.9

RELAY APPARATUS MANAGEMENT TABLE

RELAY APPARATUS ID	OPERATION STATE	DATE/TIME RECEIVED	IP ADDRESS OF RELAY APPARATUS	MAXIMUM DATA TRANSMISSION RATE (Mbps)
111a	ONLINE	2009.11.10.13:00	1.2.1.2	100
111b	ONLINE	2009.11.10.13:10	1.2.2.2	1000
111c	OFFLINE	2009.11.10.13:20	1.3.1.2	100
111d	ONLINE	2009.11.10.13:30	1.3.2.2	10

FIG.10

TERMINAL AUTHENTICATION MANAGEMENT TABLE

TERMINAL ID	PASSWORD
01aa	aaaa
01ab	abab
01ba	baba
...	...

FIG.11

TERMINAL MANAGEMENT TABLE

TERMINAL ID	DESTINATION NAME	OPERATION STATE	COMMUNICATION STATE	DATE/TIME RECEIVED	IP ADDRESS OF TERMINAL
01aa	AA TERMINAL, TOKYO OFFICE, JAPAN	ONLINE	None	2009.11.10.13:40	1.2.1.3
01ab	AB TERMINAL, TOKYO OFFICE, JAPAN	OFFLINE		2009.11.09.12:00	1.2.1.4
...	...	...	...	...	...
01ba	BA TERMINAL, OSAKA OFFICE, JAPAN	ONLINE	Calling	2009.11.10.13:45	1.2.2.3
01bb	BB TERMINAL, OSAKA OFFICE, JAPAN	ONLINE	None	2009.11.10.13:50	1.2.2.4
...	...	...	...	...	...
01ca	CA TERMINAL, NEW YORK OFFICE, U.S.	OFFLINE		2009.11.10.12:45	1.3.1.3
01cb	CB TERMINAL, NEW YORK OFFICE, U.S.	ONLINE	None	2009.11.10.13:55	1.3.1.4
...	...	...	...	...	...
01da	DA TERMINAL, WASHINGTON D.C. OFFICE, U.S.	ONLINE	Busy	2009.11.08.12:45	1.3.2.3
01db	DB TERMINAL, WASHINGTON D.C. OFFICE, U.S.	ONLINE	None	2009.11.10.12:45	1.3.2.4
...	...	...	...	...	...

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FIG.12

DESTINATION LIST MANAGEMENT TABLE

REQUEST SOURCE TERMINAL ID	DESTINATION TERMINAL ID
01aa	01ab, ..., 01ba, 01bb, ..., 01ca, 01cb, ..., 01da, 01db, ...
01ab	01aa, 01ca, 01cb
01ba	01aa, 01ab, 01ca, 01cb, 01da, 01db
...	...
01db	01aa, 01ab, 01ba, ..., 01da, 01ca, 01cb, ..., 01da
...	...

FIG.13

SESSION MANAGEMENT TABLE

SESSION ID	RELAY APPARA- TUS ID	REQUEST SOURCE TERMINAL ID	DESTINATION TERMINAL ID	DELAY TIME (ms)	DELAY INFORMATION DATE/TIME RECEIVED
se1	111a	01aa	01bb, 01cb, 01db	200	2009.11.10.14:00
se2	111b	01ba	01ca	50	2009.11.10.14:10
se3	111d	01bb	01da	400	2009.11.10.14:20
...	...	...	...	...	...

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FIG.14

QUALITY MANAGEMENT TABLE

DELAY TIME (ms)	IMAGE QUALITY OF IMAGE DATA (QUALITY OF IMAGE)
0~100	HIGH IMAGE QUALITY
100~300	INTERMEDIATE IMAGE QUALITY
300~500	LOW IMAGE QUALITY
500~	(ABORT)

FIG.15

RELAY APPARATUS SELECTION
MANAGEMENT TABLE

TERMINAL ID	RELAY APPARATUS ID
01aa	111a
01ab	111a
...	...
01ba	111b
01bb	111b
...	...
01ca	111c
01cb	111c
...	...
01da	111d
01db	111d
...	...

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FIG.16

STATE CHANGE MANAGEMENT TABLE

CHANGE REQUEST INFORMATION	PRE-CHANGE STATE INFORMATION	CHANGE INFORMATION
Call	None	Accepted
Join	Accepted	Busy
Leave	Busy	None

FIG.17

STATE CHANGE MANAGEMENT TABLE

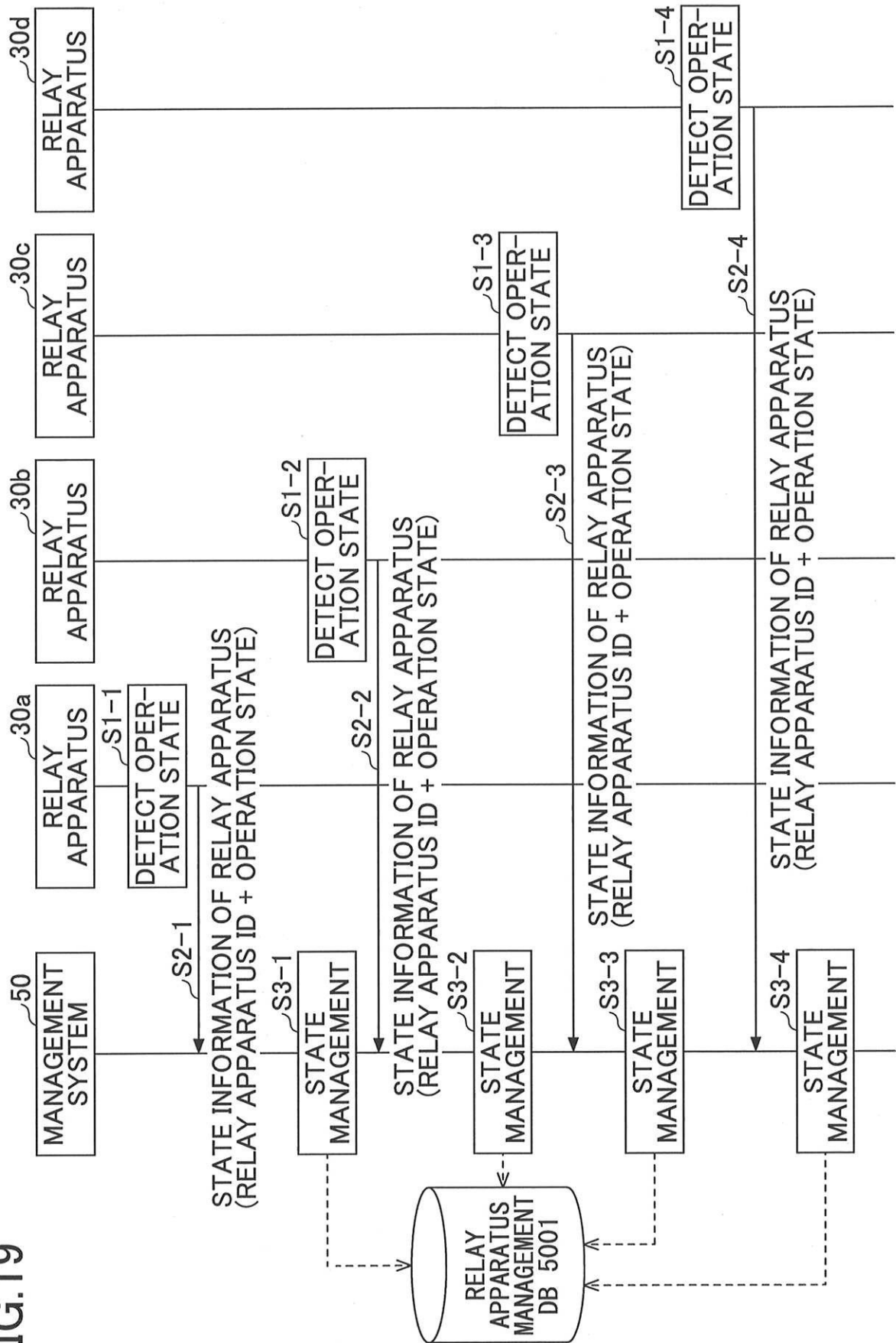
CHANGE REQUEST INFORMATION	TERMINAL INFORMATION	PRE-CHANGE STATE INFORMATION	CHANGE INFORMATION
Invite	REQUEST SOURCE	None	Calling
	DESTINATION	None	Ringling
	SELECT OWN TERMINAL	None	Accepted
Accept	REQUEST SOURCE	Calling	Accepted
		Accepted	Accepted
	DESTINATION	Ringling	Accepted
Cancel	REQUEST SOURCE	Accepted	Accepted
		Calling	None
	DESTINATION	Ringling	None

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FIG.18

STATE CHANGE MANAGEMENT TABLE

CHANGE REQUEST INFORMATION	TERMINAL INFORMATION	DETERMINATION INFORMATION	PRE-CHANGE STATE INFORMATION	CHANGE INFORMATION
Reject	REQUEST SOURCE	PARTIALLY	Calling	Calling
		WHOLLY	Calling	None
		PARTIALLY	Accepted	Accepted
	DESTINATION		Ringling	None

FIG.19



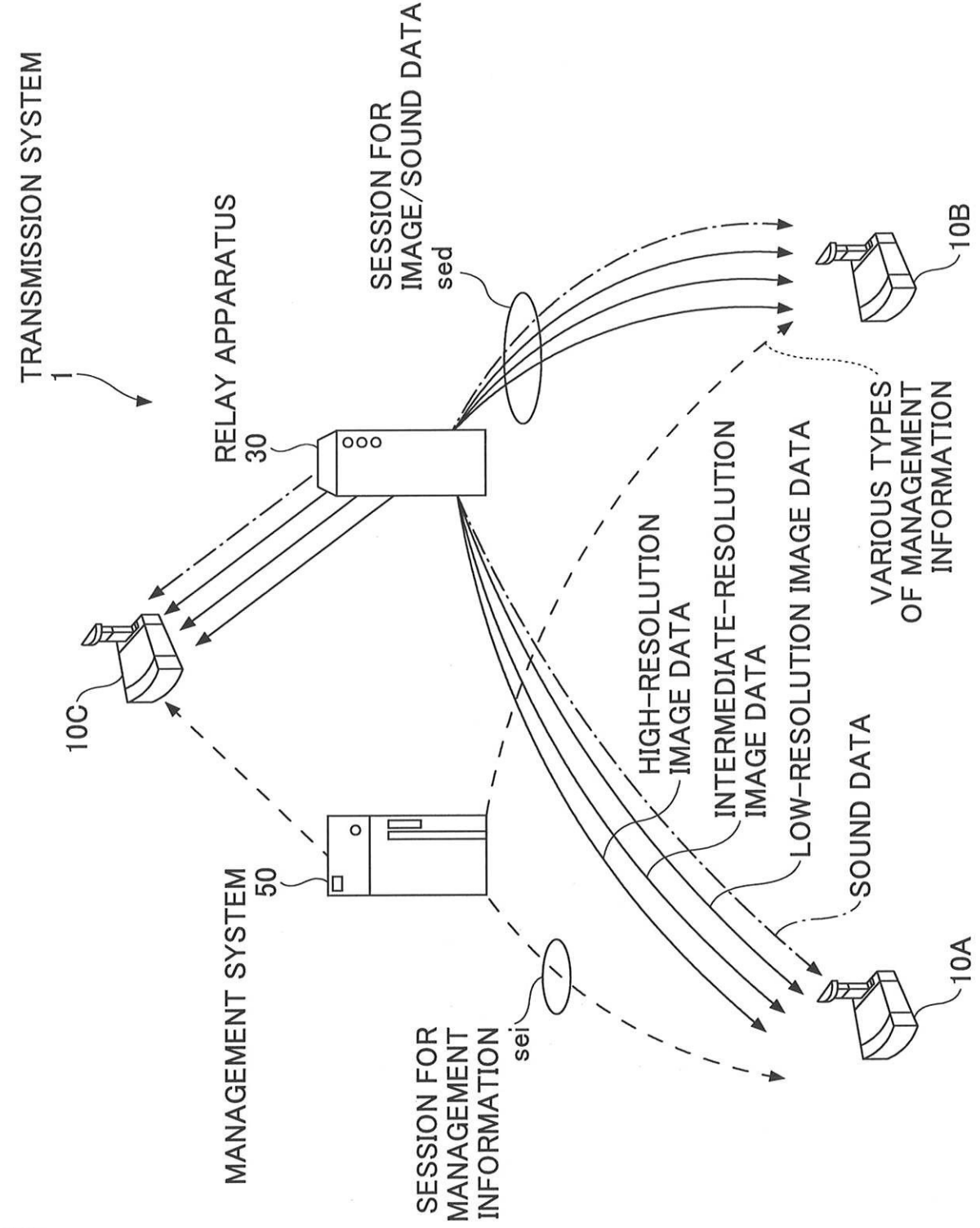


FIG.20

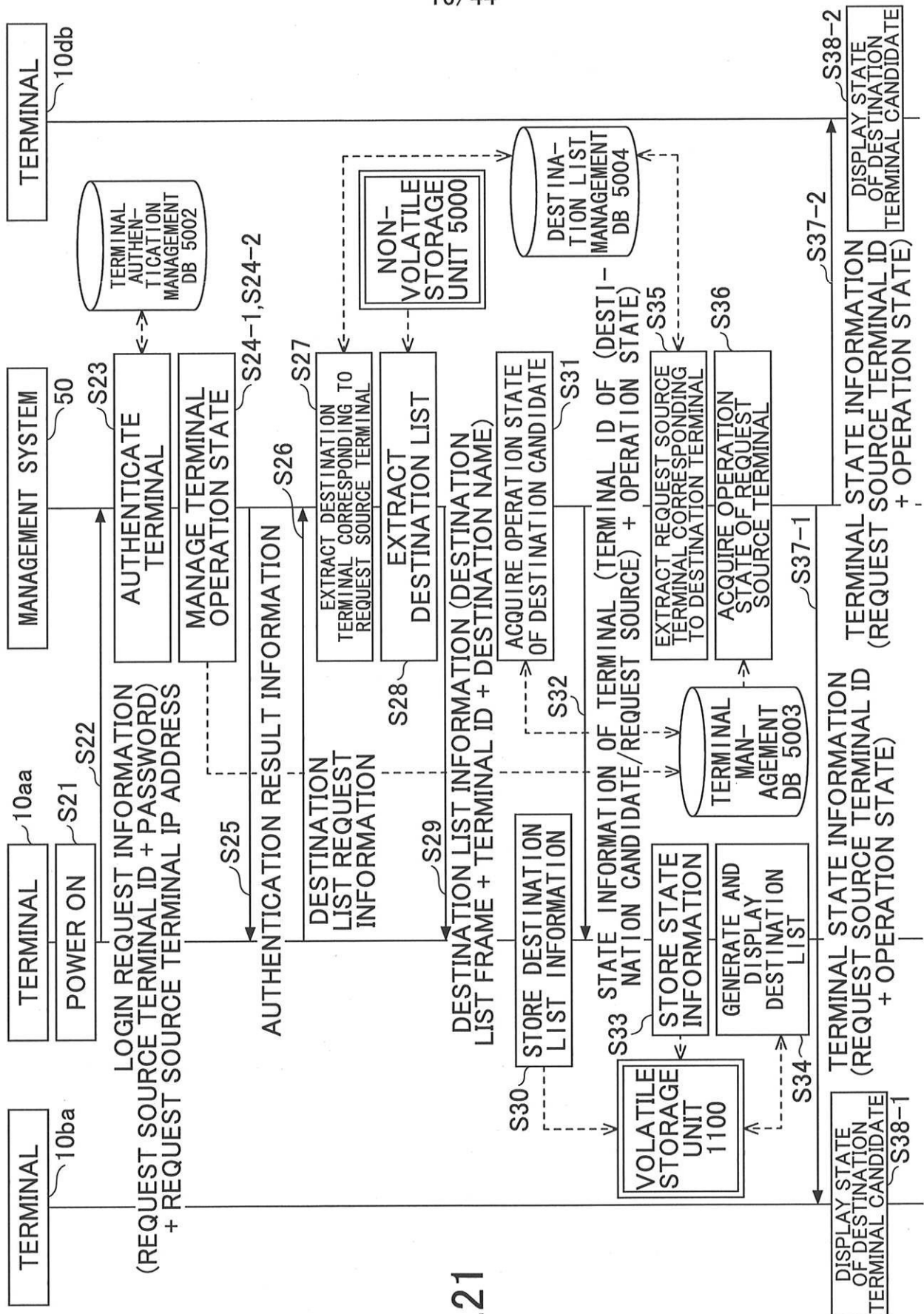


FIG. 21

1100-1

1100-3a	1100-2	1100-3d	1100-3	DESTINATION LIST		1100-3b	1100-3c	1100-1
	AB TERMINAL, TOKYO OFFICE, JAPAN		BA TERMINAL, OSAKA OFFICE, JAPAN		CA TERMINAL, NEW YORK OFFICE, U. S.		DA TERMINAL, WASHINGTON D. C. OFFICE, U. S.	
	AC TERMINAL, TOKYO OFFICE, JAPAN		BB TERMINAL, OSAKA OFFICE, JAPAN		CB TERMINAL, NEW YORK OFFICE, U. S.		DB TERMINAL, WASHINGTON D. C. OFFICE, U. S.	
	AD TERMINAL, TOKYO OFFICE, JAPAN		BC TERMINAL, OSAKA OFFICE, JAPAN		CC TERMINAL, NEW YORK OFFICE, U. S.		DC TERMINAL, WASHINGTON D. C. OFFICE, U. S.	
	AE TERMINAL, TOKYO OFFICE, JAPAN		BD TERMINAL, TOKYO OFFICE, JAPAN		CD TERMINAL, NEW YORK OFFICE, U. S.		DD TERMINAL, WASHINGTON D. C. OFFICE, U. S.	
	AF TERMINAL, TOKYO OFFICE, JAPAN		BE TERMINAL, TOKYO OFFICE, JAPAN		CE TERMINAL, NEW YORK OFFICE, U. S.		DE TERMINAL, WASHINGTON D. C. OFFICE, U. S.	
	AG TERMINAL, TOKYO OFFICE, JAPAN		BF TERMINAL, TOKYO OFFICE, JAPAN		CF TERMINAL, NEW YORK OFFICE, U. S.		DF TERMINAL, WASHINGTON D. C. OFFICE, U. S.	

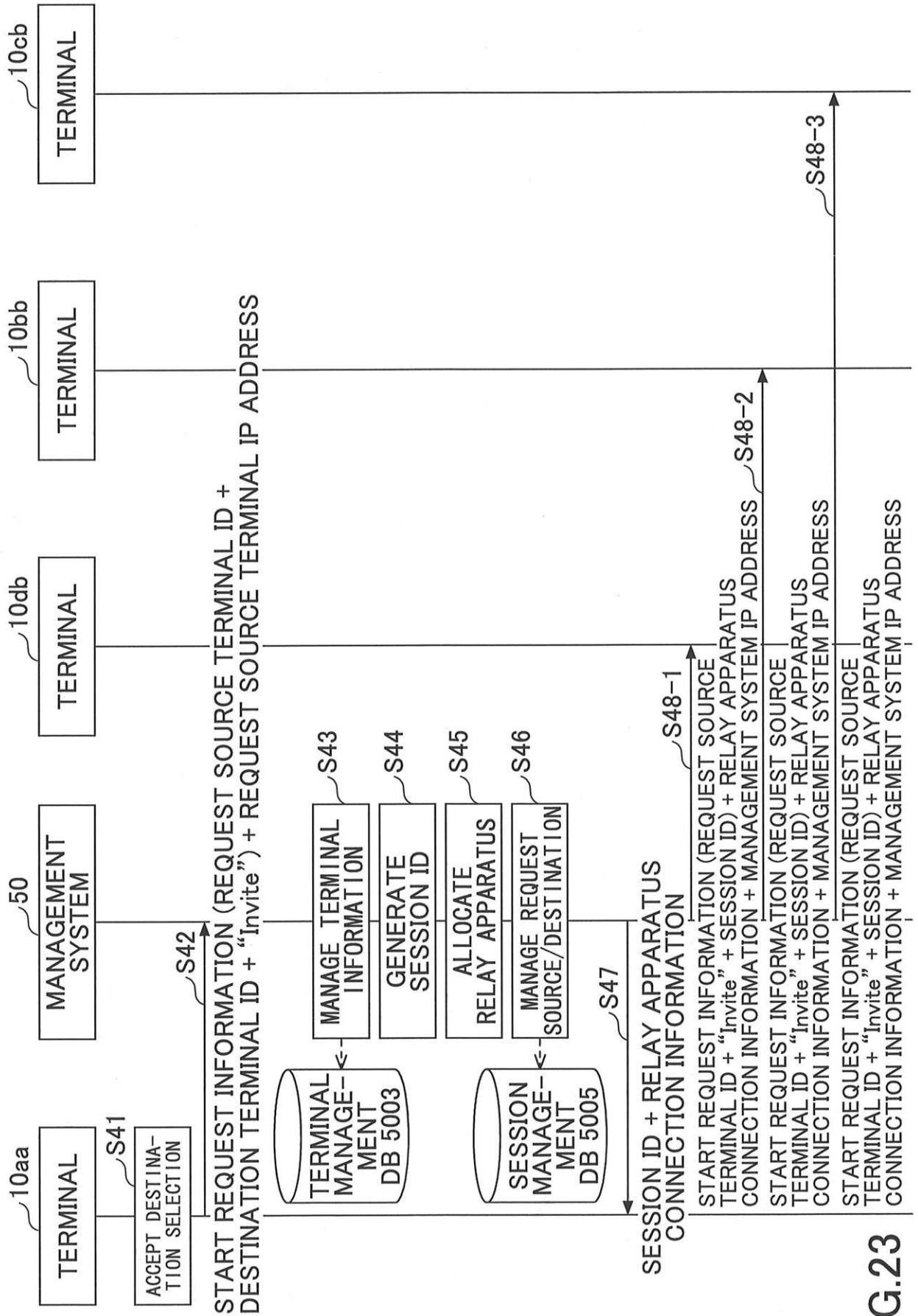
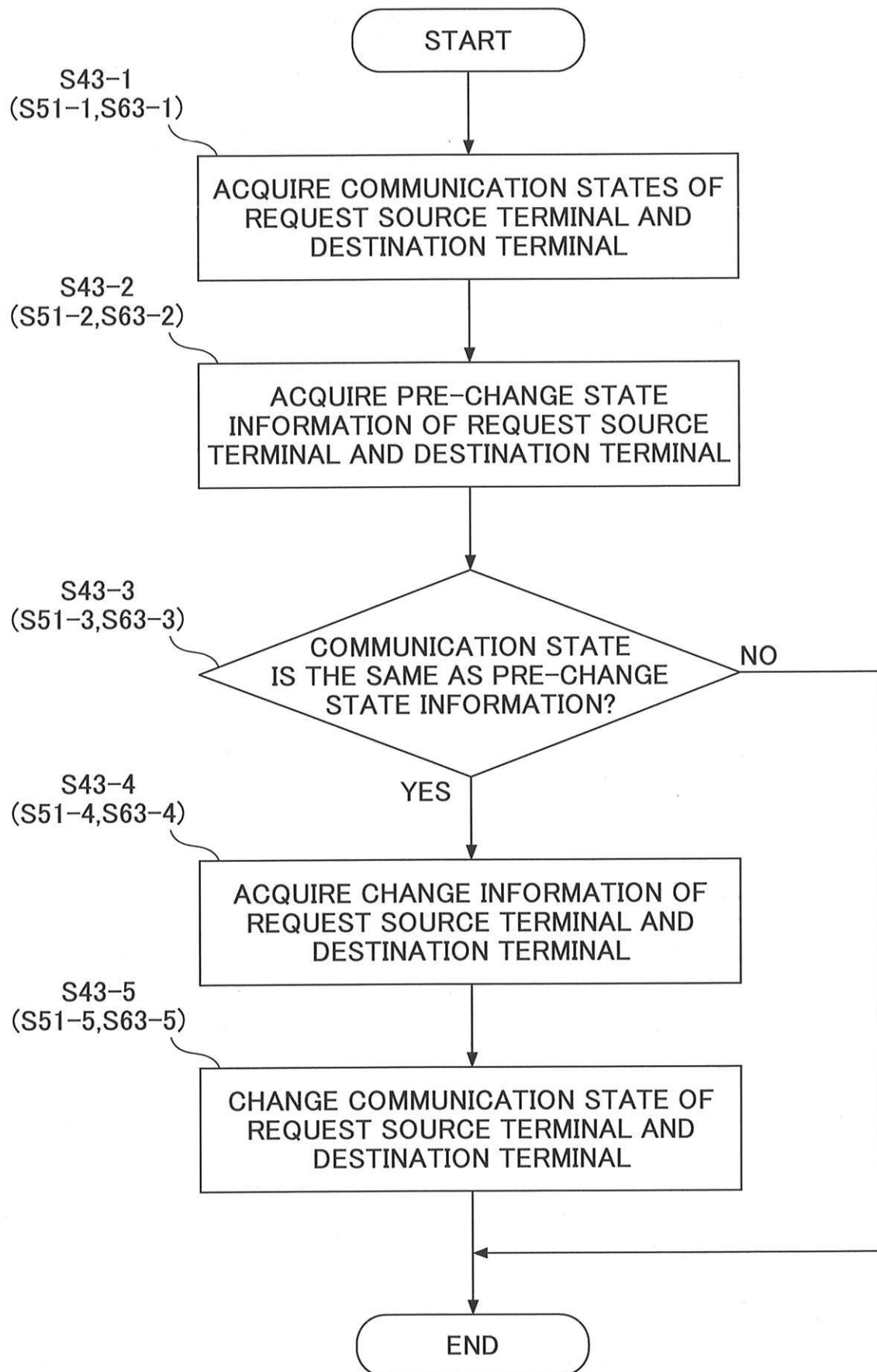


FIG.23

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FIG.24



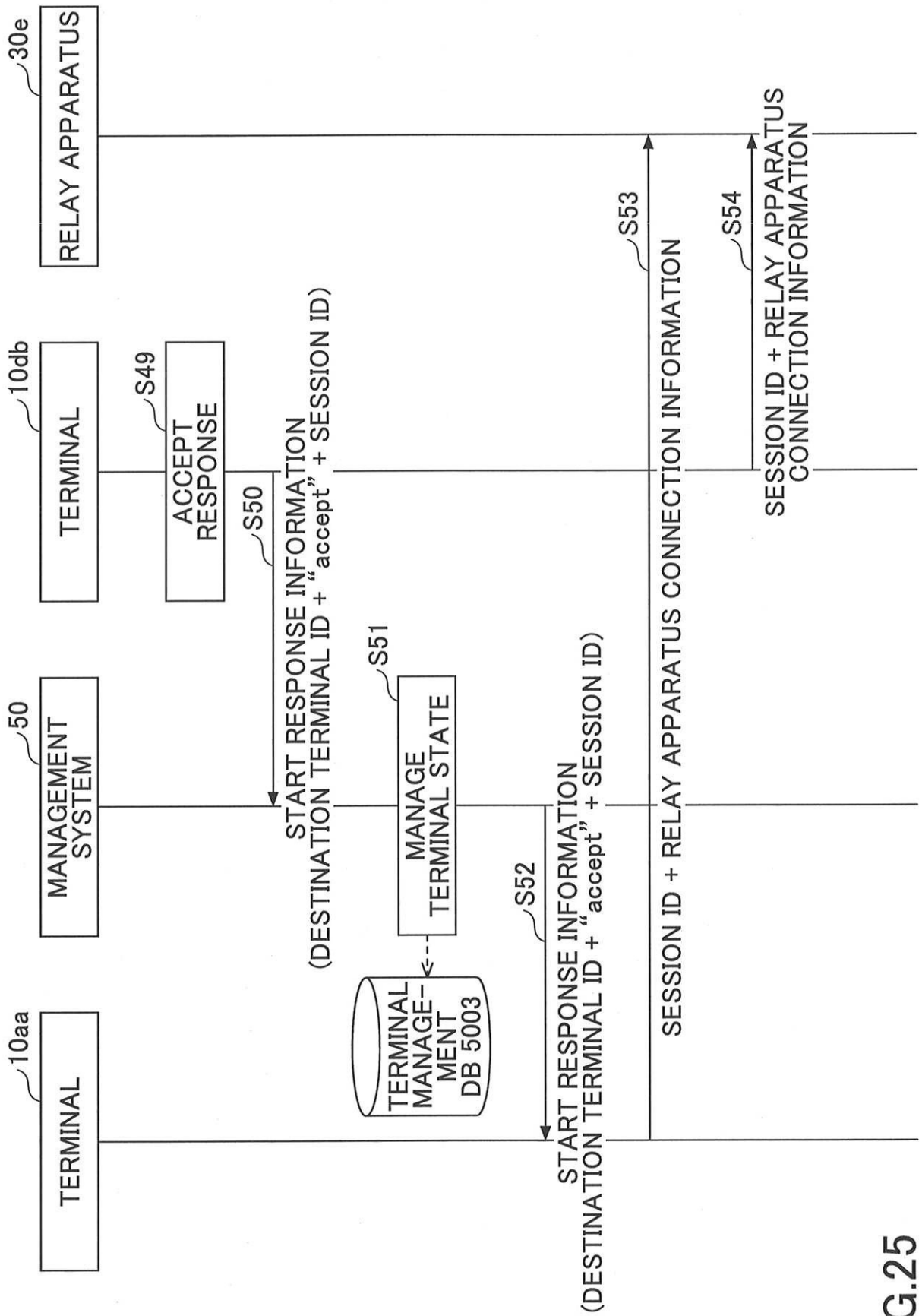


FIG.25

FIG.26

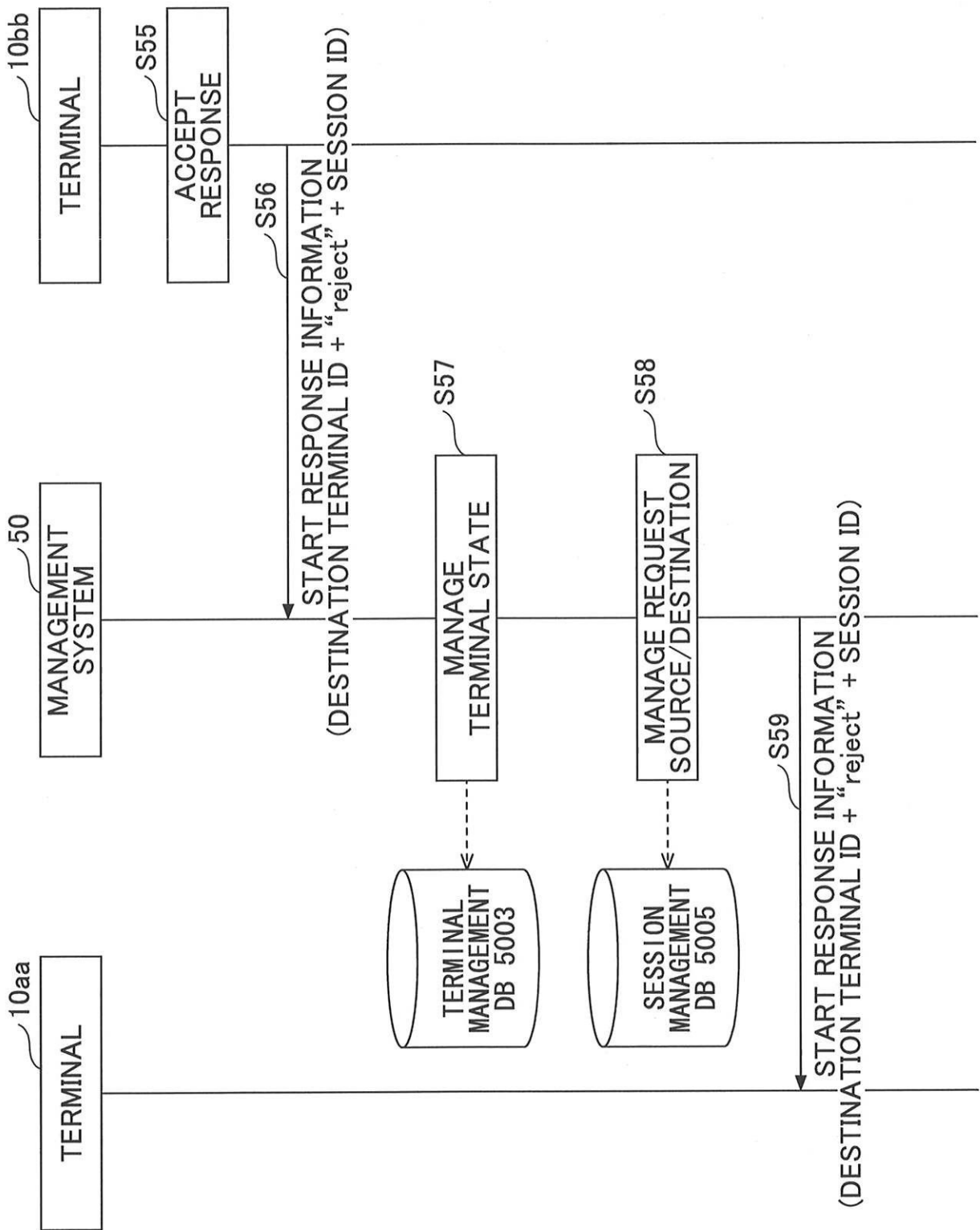


FIG.27

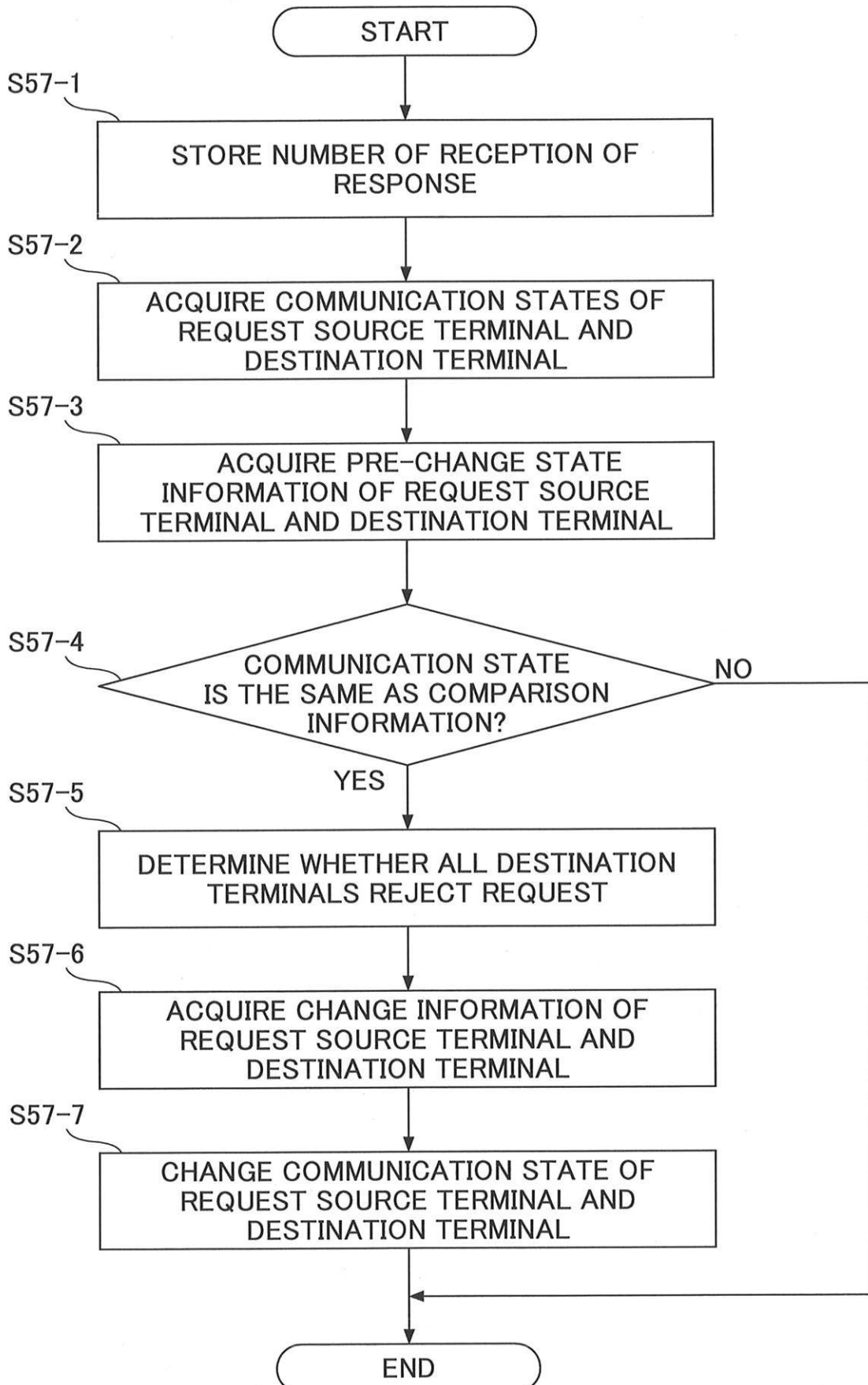
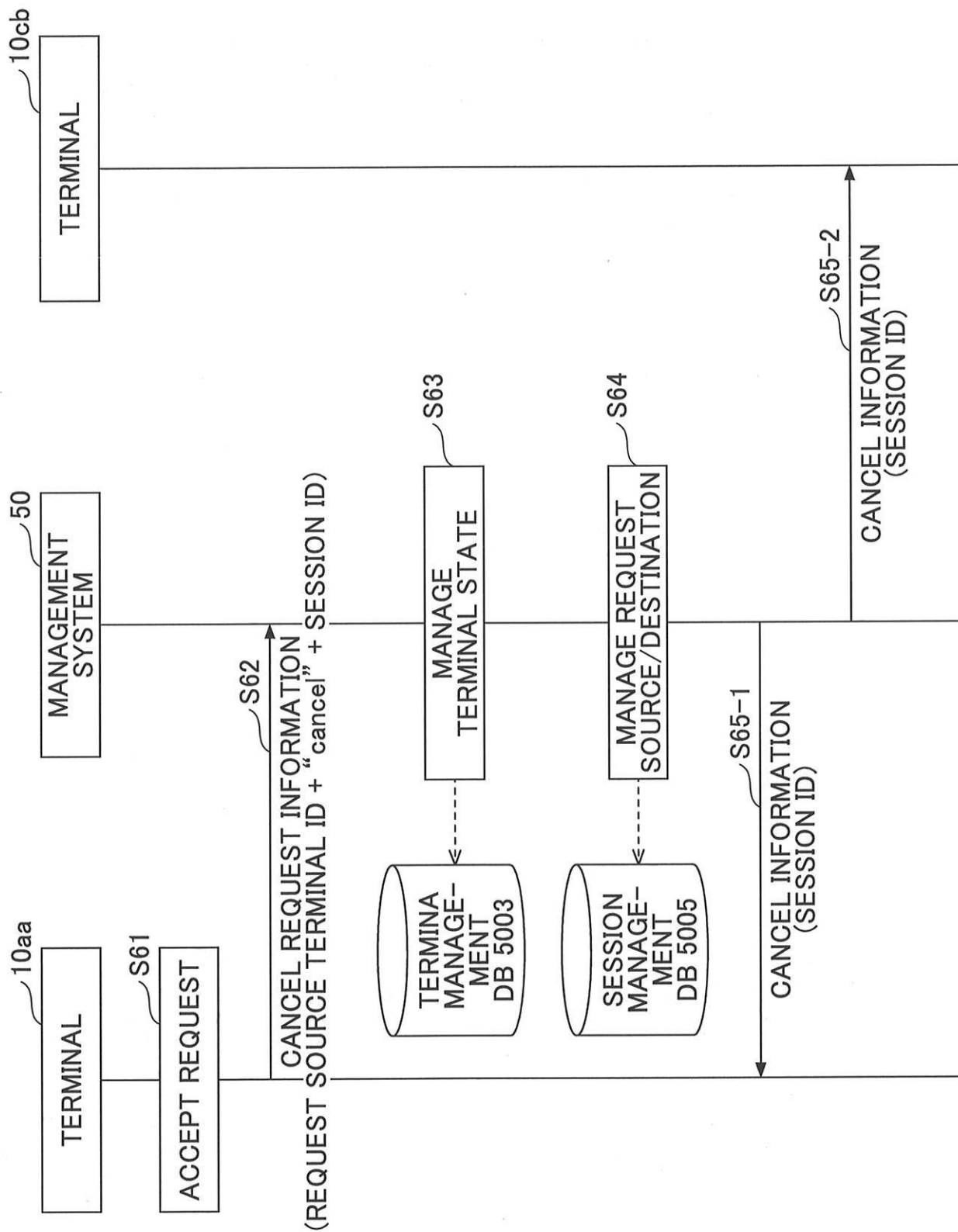


FIG.28



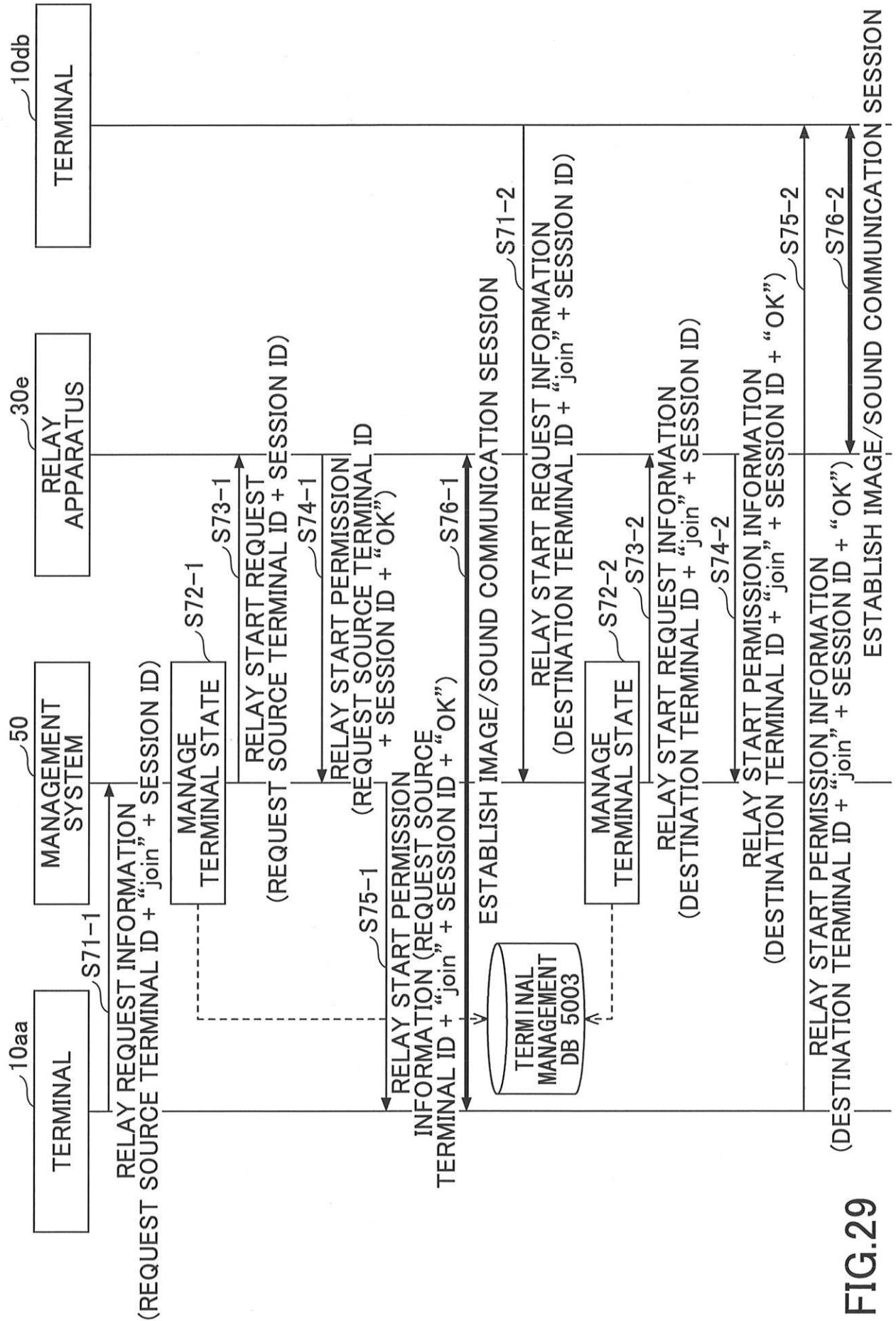
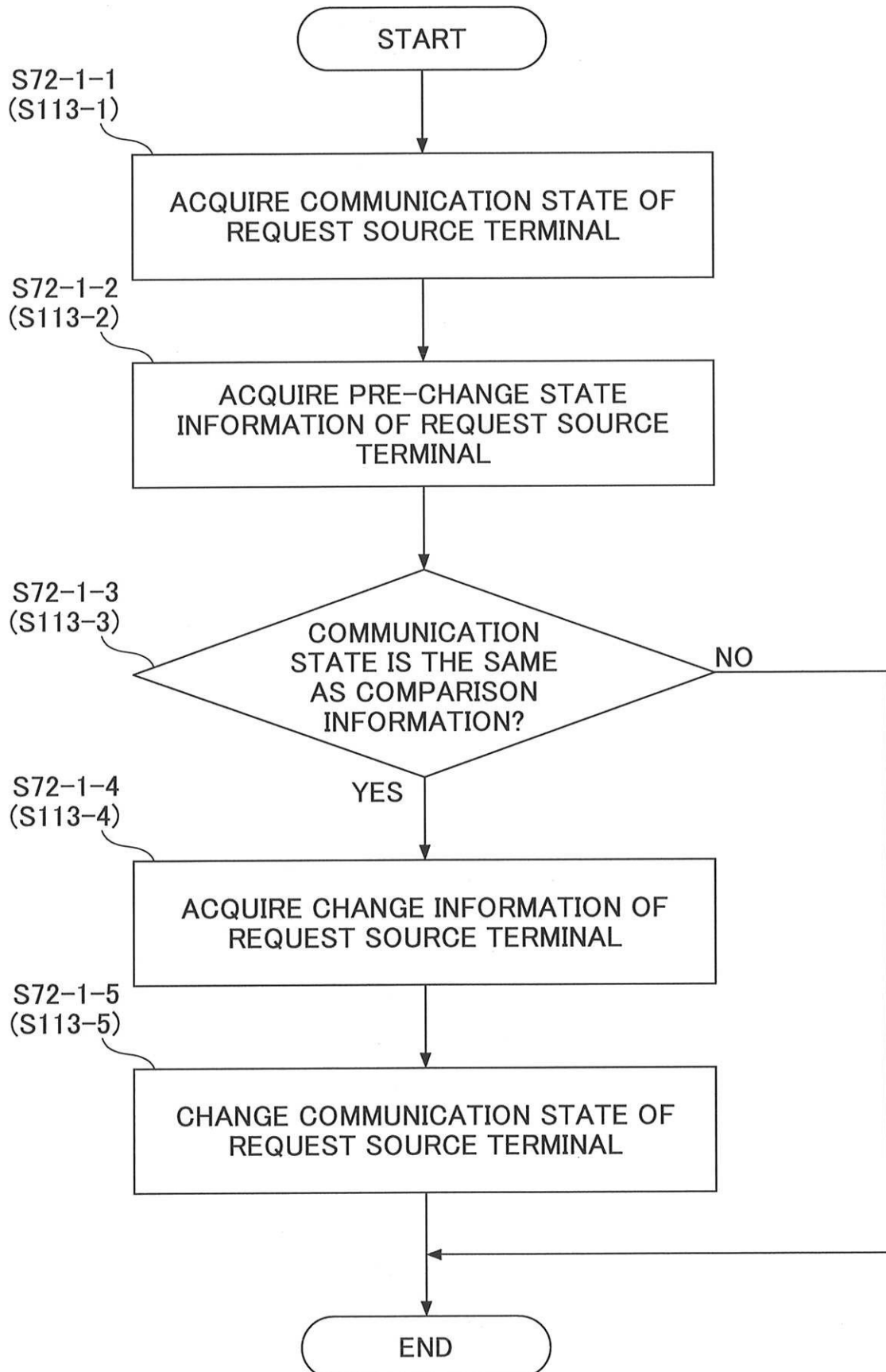


FIG.29

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FIG.30



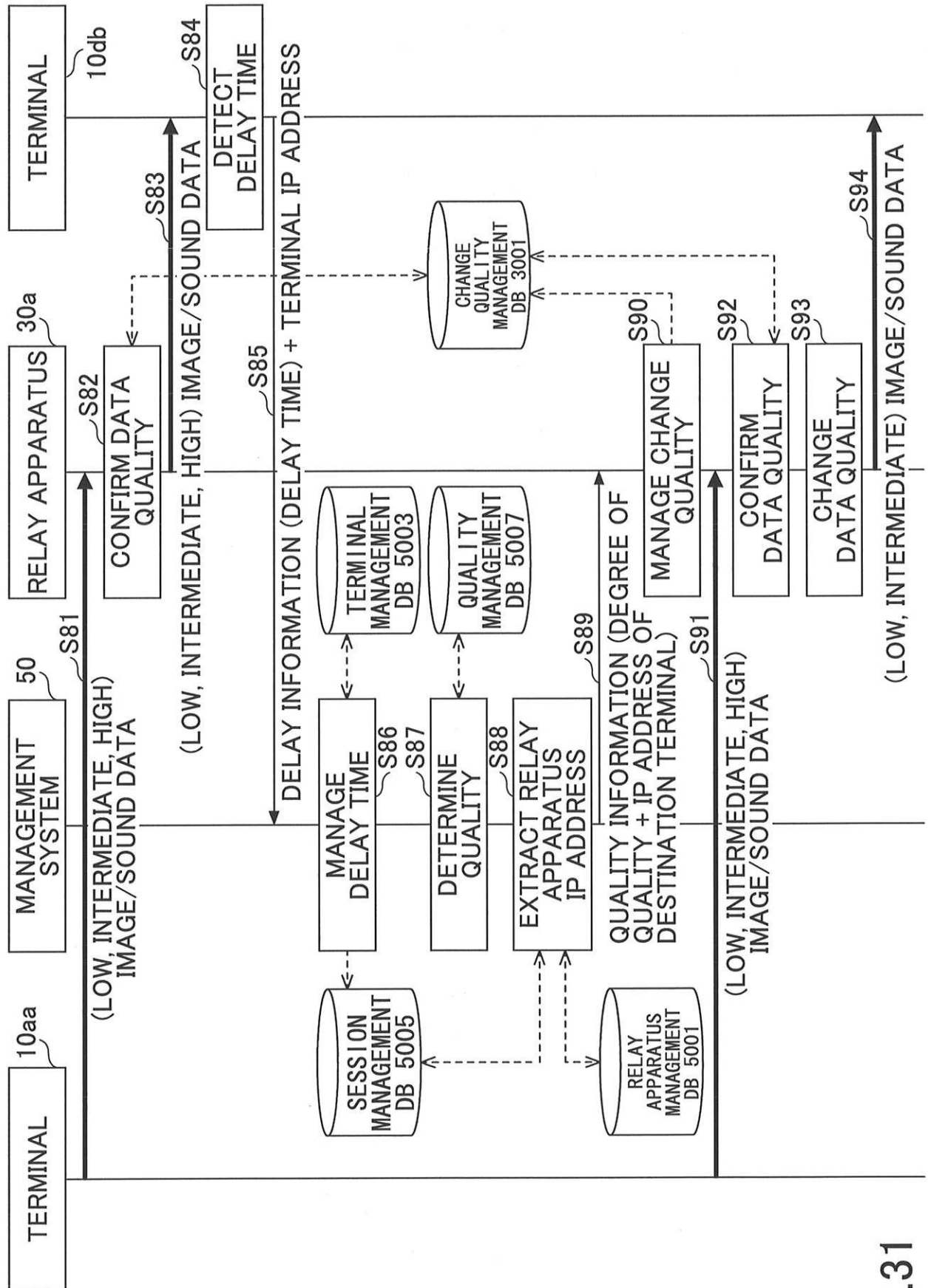


FIG.31

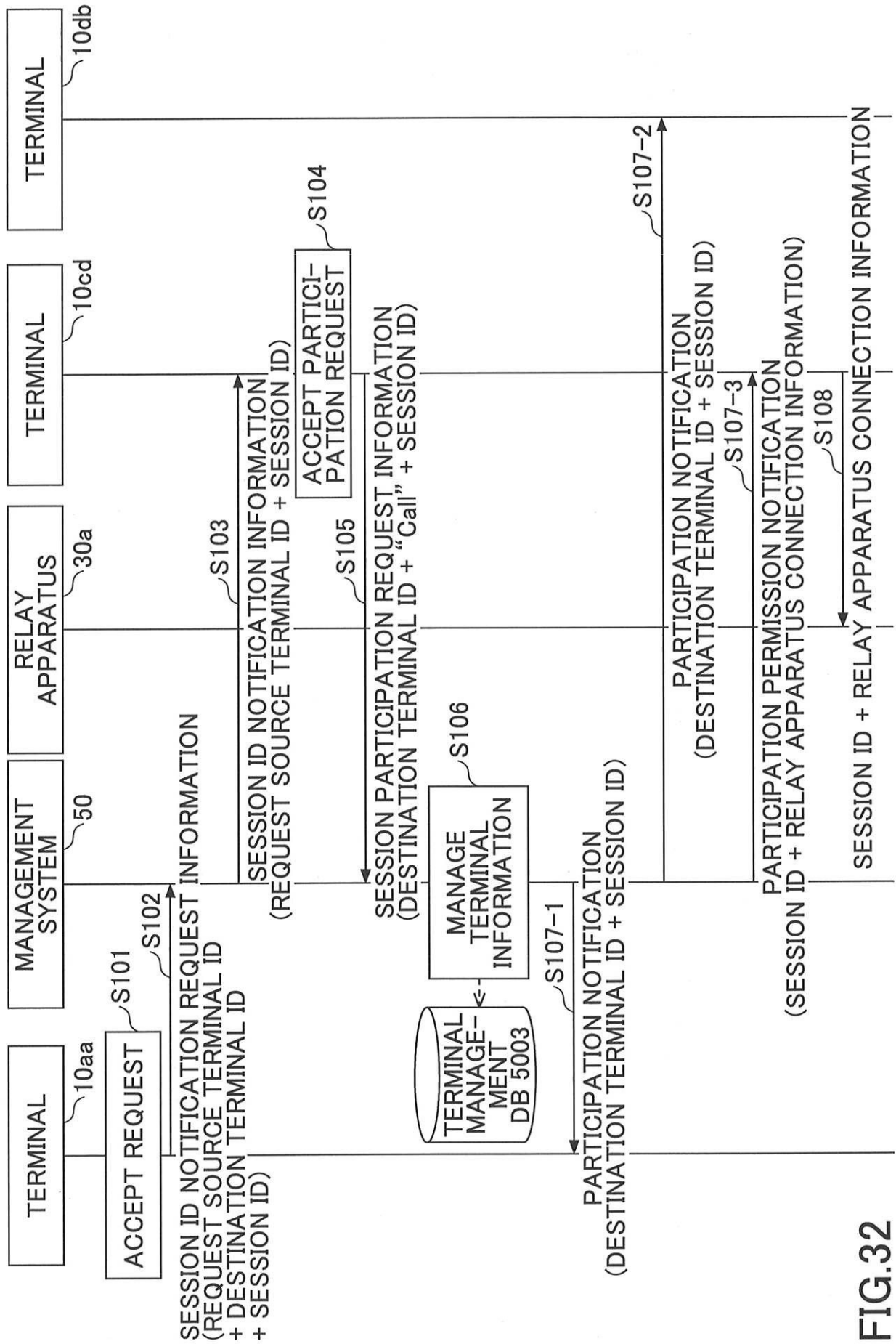
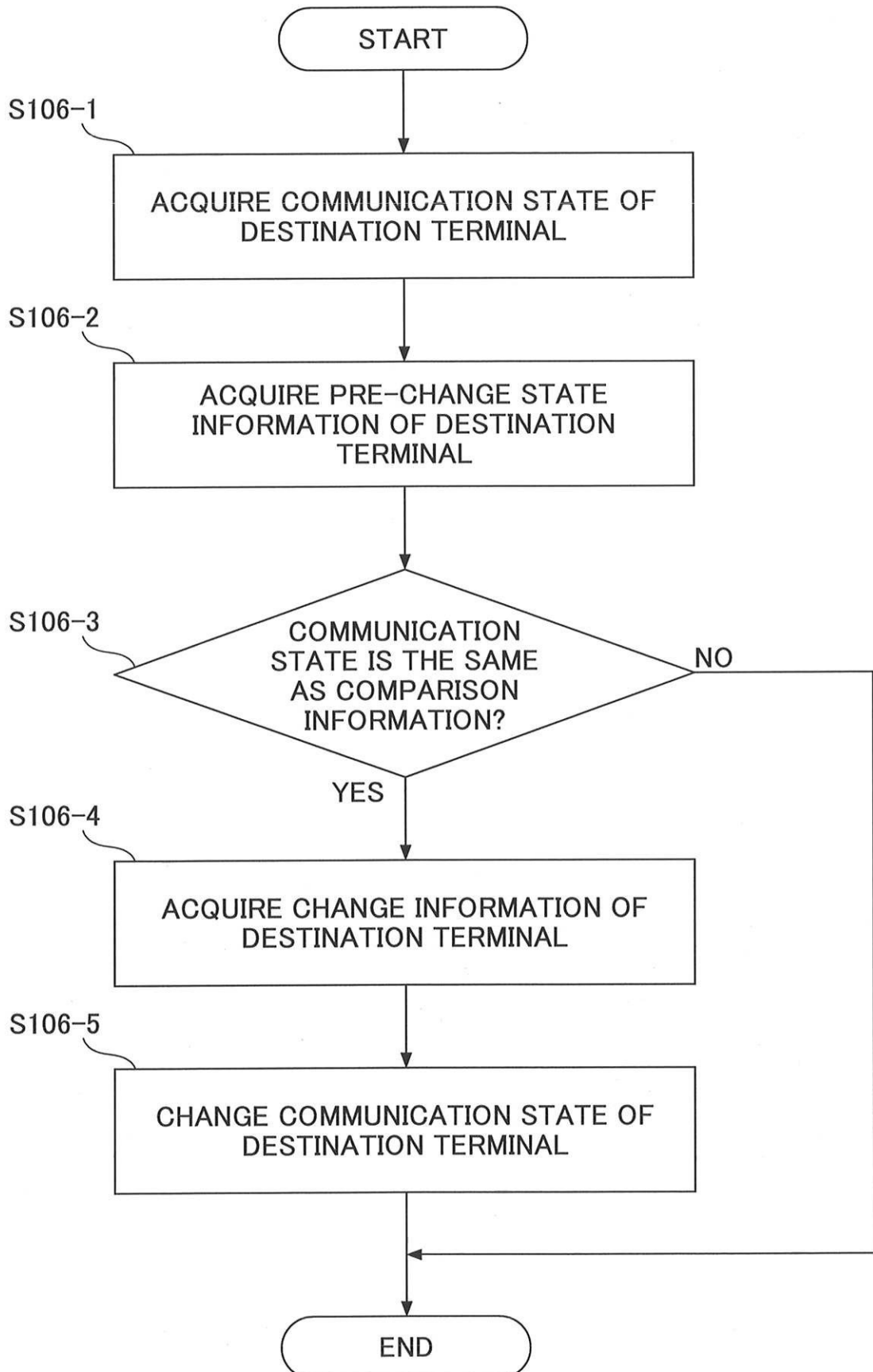


FIG.32

FIG.33



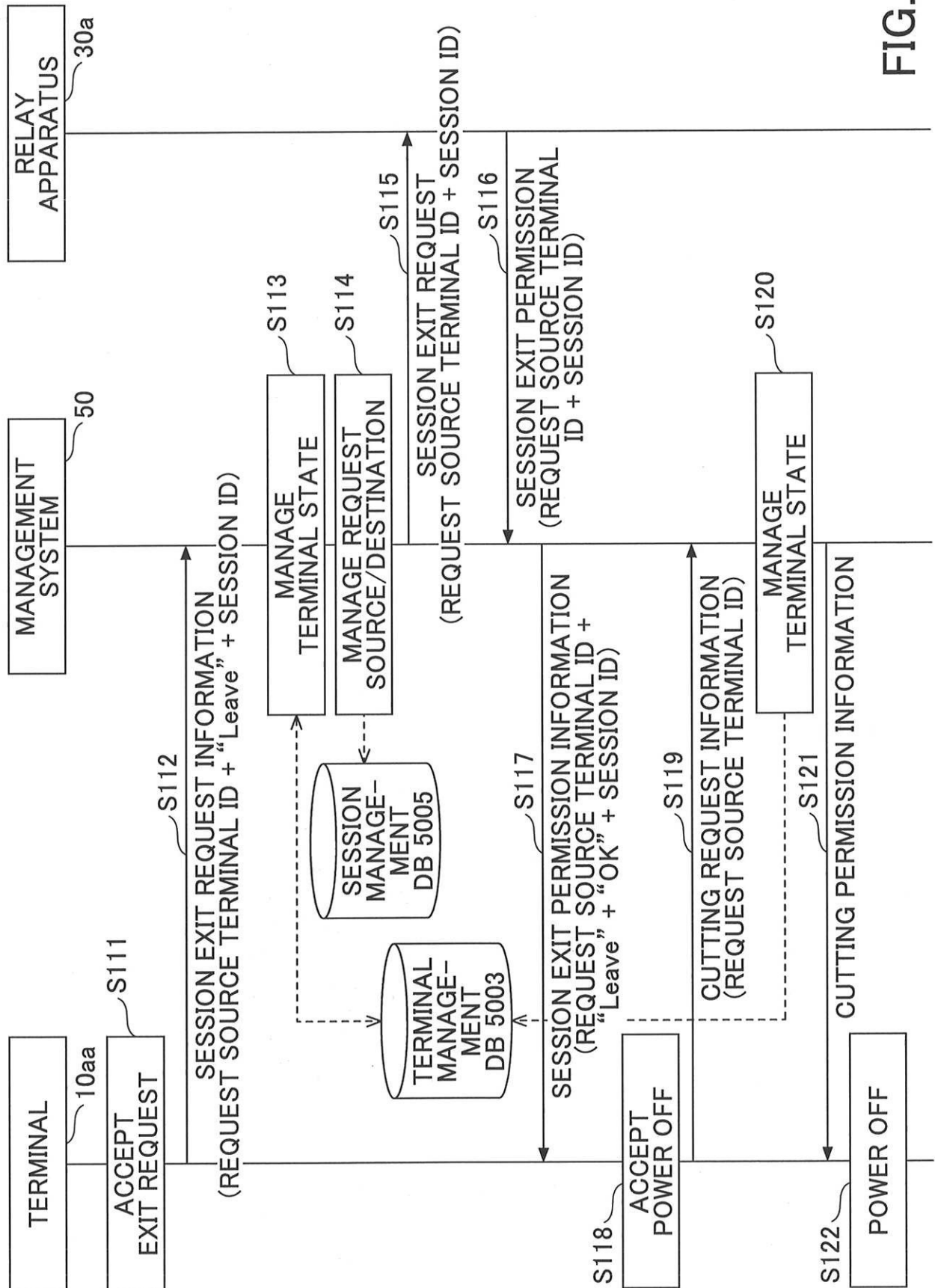
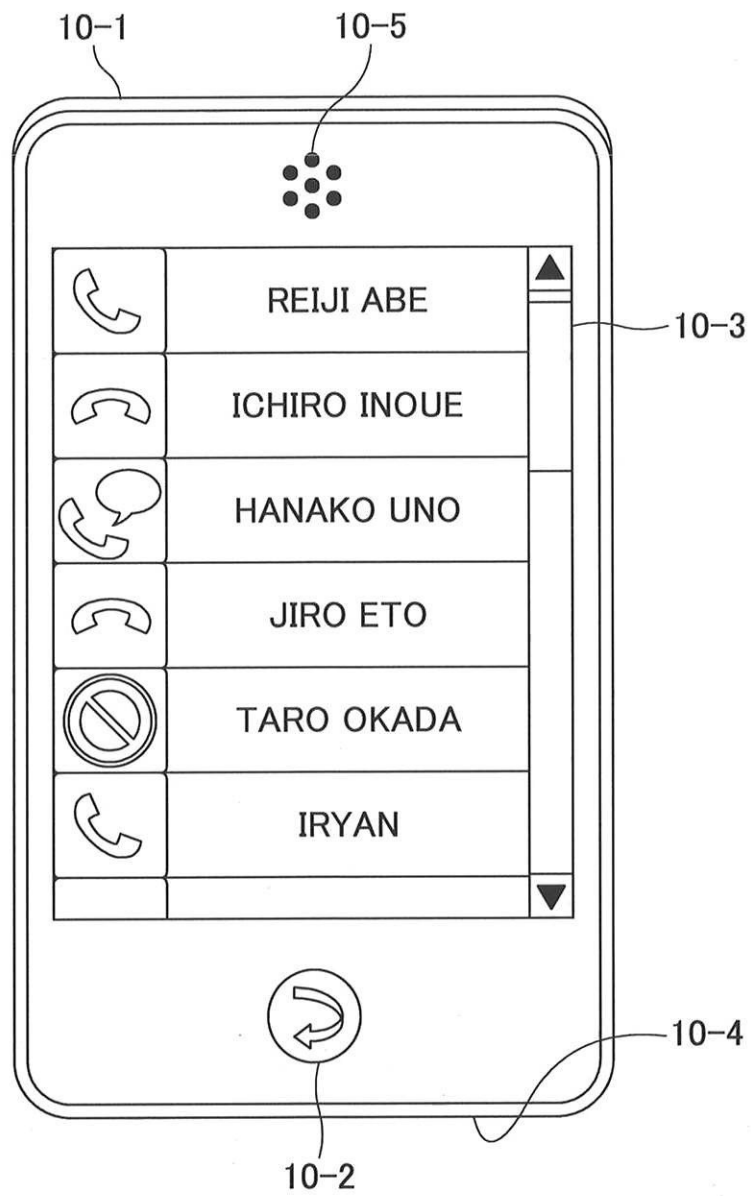
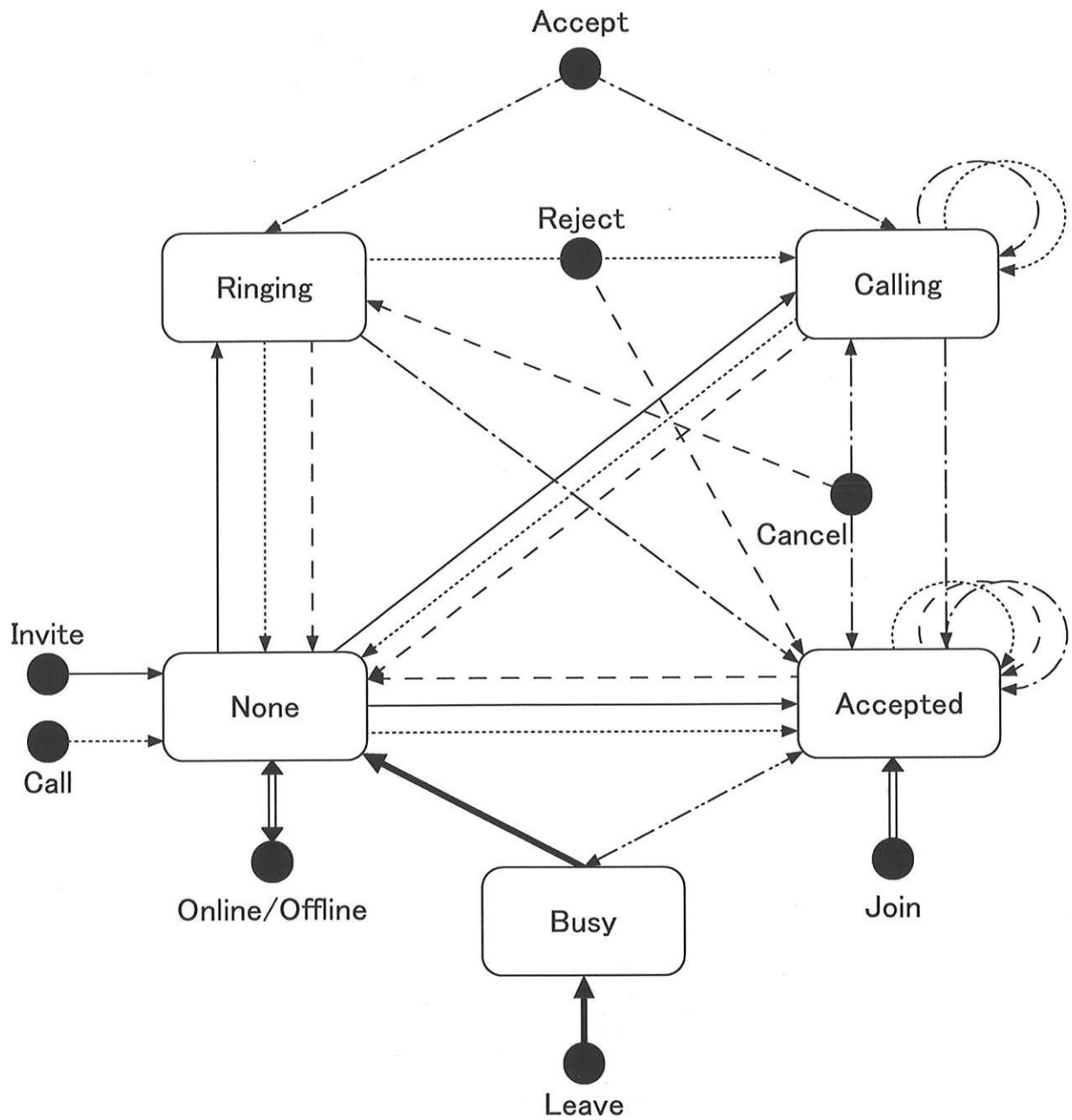


FIG.34

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FIG.35



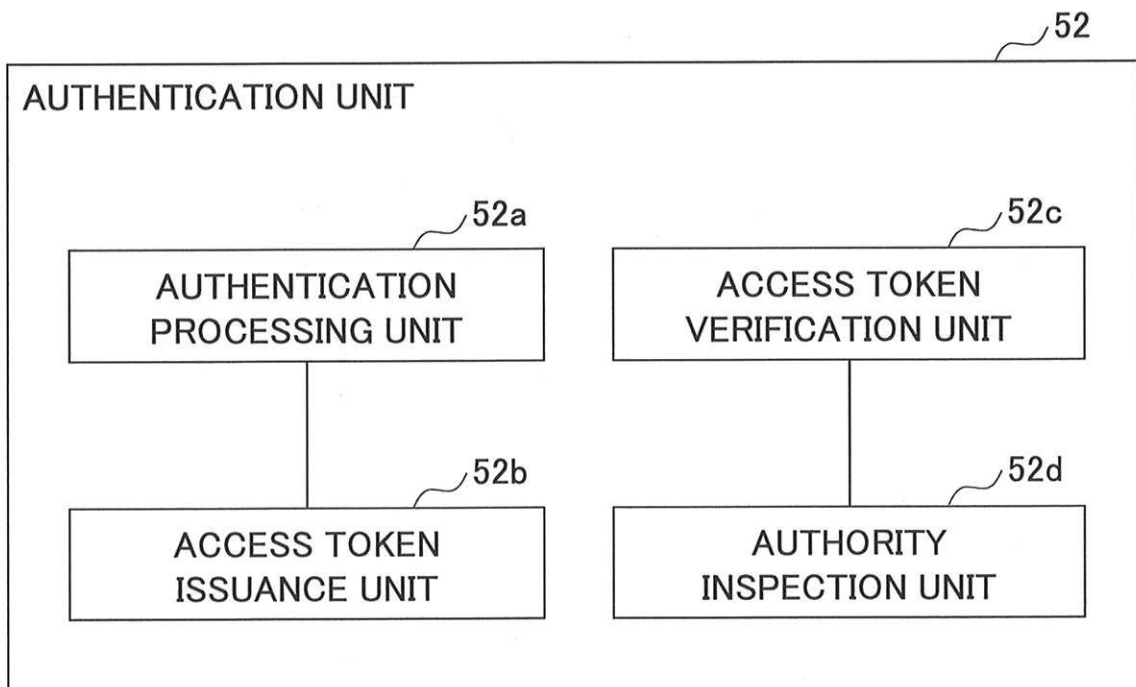


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FIG.38

ADDITIONAL REQUEST MANAGEMENT TABLE

REQUEST SOURCE TERMINAL ID	REQUEST DESTINATION TERMINAL ID
01aa	01dc
01ab	01ca
01ab	01da
...	...

FIG.39



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FIG.40

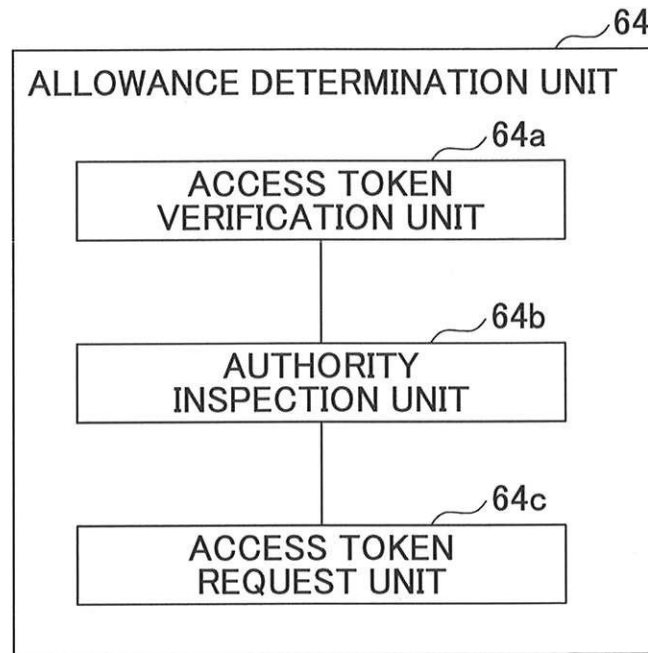
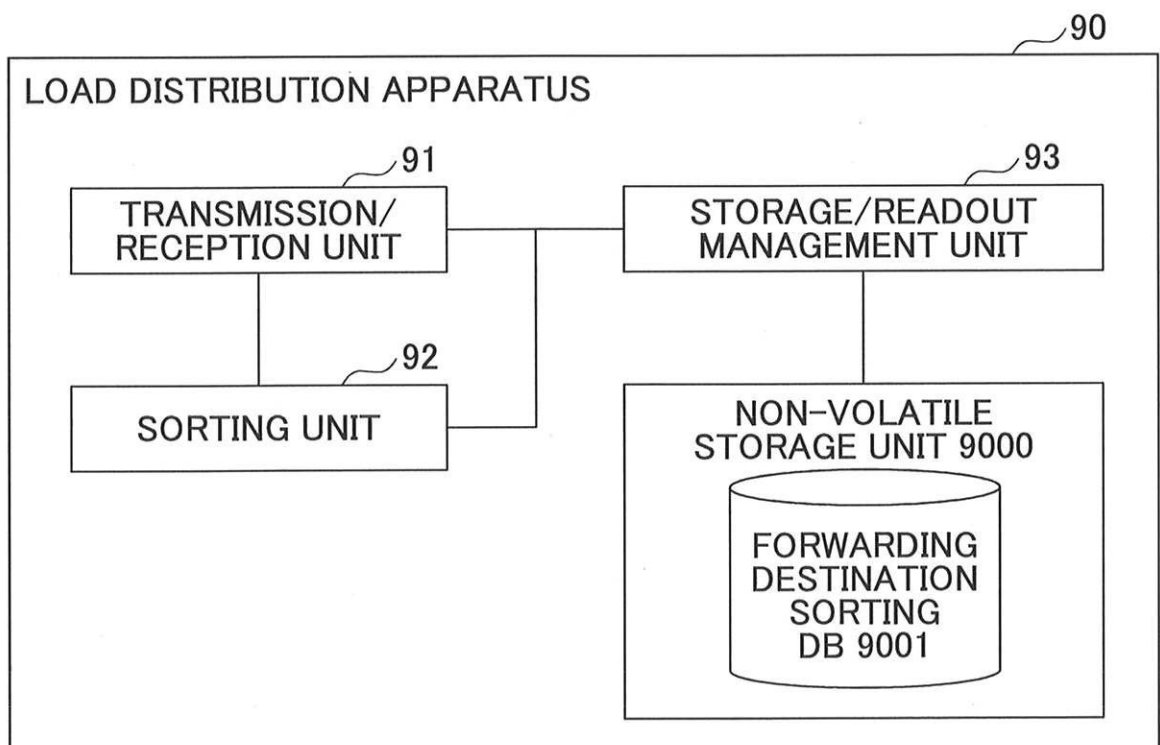


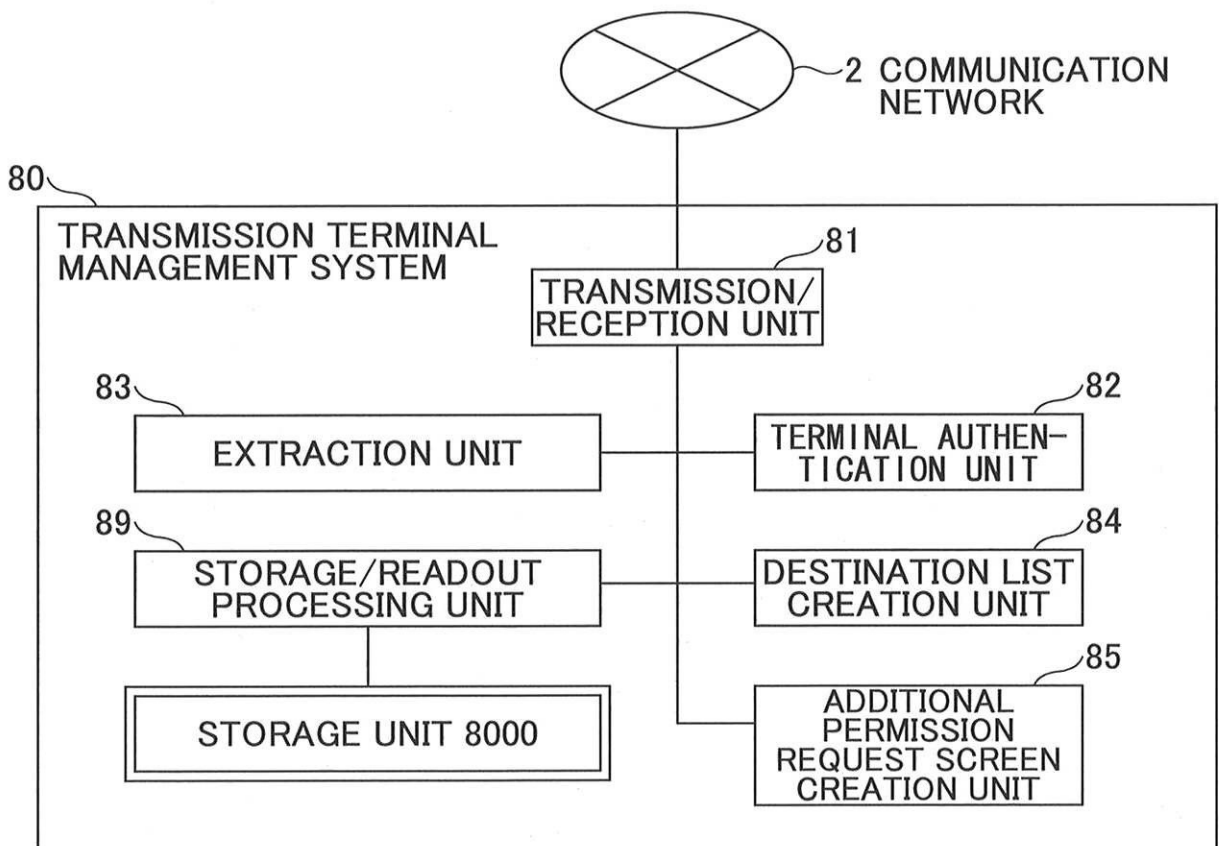
FIG.41



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FIG.42

IP ADDRESS OF ACCESS DESTINATION	ACCESS DESTINATION	FORWARDING DESTINATION
10.X.X.2	roster	ALLOWANCE DE- TERMINATION UNIT
192.X.X.5	roster	PROTECTION RESOURCE

FIG.43



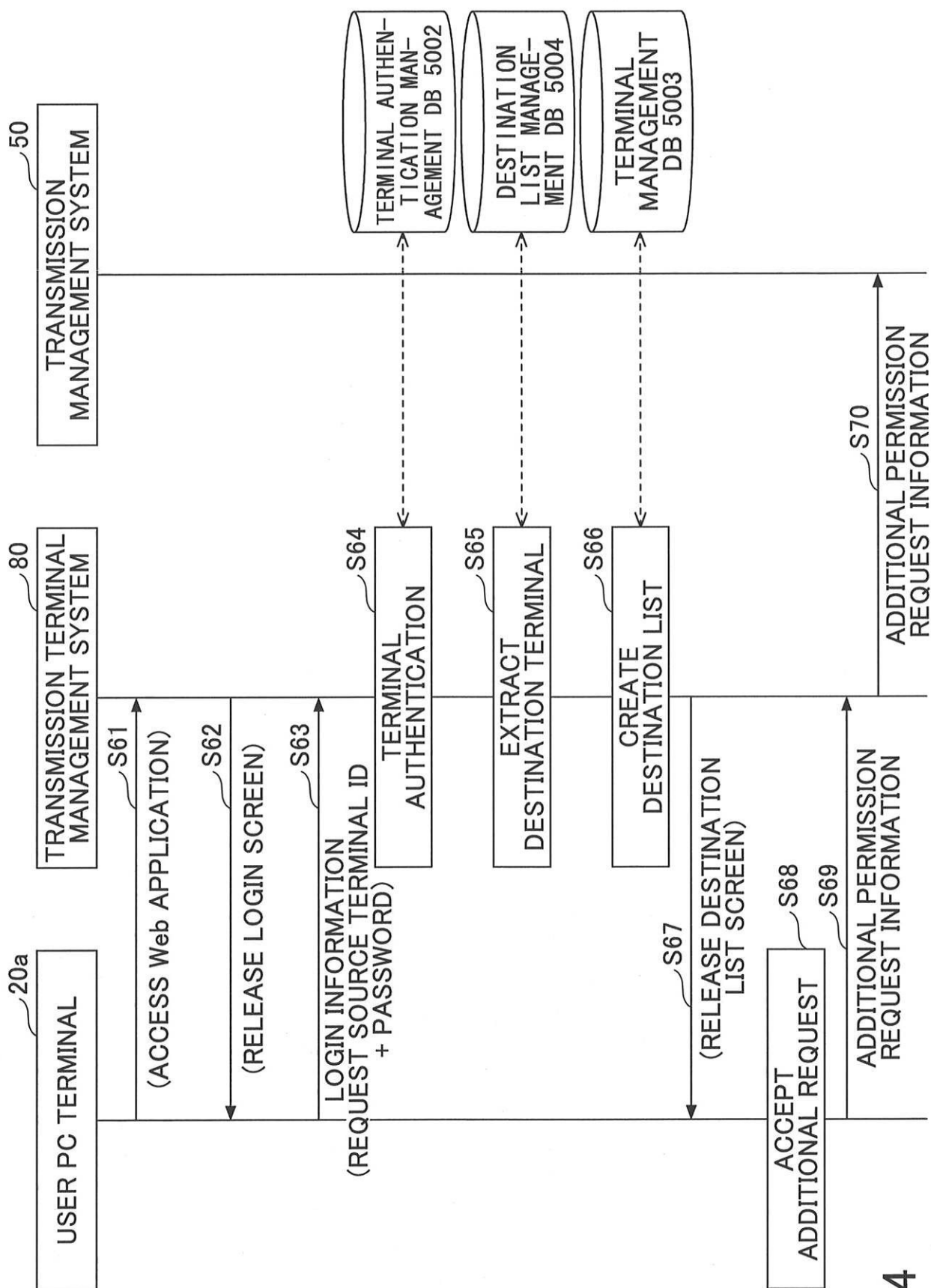


FIG.44

FIG.45

ADDITION OF DESTINATION			▲
TERMINAL NAME	TERMINAL ID	OPERATION	
AB TERMINAL, TOKYO OFFICE, JAPAN	10ab	<u>EDIT</u> <u>DELETE</u>	
AC TERMINAL, TOKYO OFFICE, JAPAN	10ac	<u>EDIT</u> <u>DELETE</u>	
AD TERMINAL, TOKYO OFFICE, JAPAN	10ad	<u>EDIT</u> <u>DELETE</u>	
AE TERMINAL, TOKYO OFFICE, JAPAN	10ae	<u>EDIT</u> <u>DELETE</u>	
			▼

FIG.46

TERMINAL NAME	TERMINAL ID	OPERATION	ADDITION OF DESTINATION
AB TERMINAL TOKYO OFFICE, JAPAN	10ab	<u>EDIT</u> <u>DELETE</u>	TRANSMISSION TERMINAL IS ADDED TO DESTINATION LIST TERMINAL ID: TERMINAL NAME: SEARCH SEND ADDITIONAL REQUEST CANCEL
AC TERMINAL TOKYO OFFICE, JAPAN	10ac	<u>EDIT</u> <u>DELETE</u>	
AD TERMINAL TOKYO OFFICE, JAPAN	10ad	<u>EDIT</u> <u>DELETE</u>	
AE TERMINAL TOKYO OFFICE, JAPAN		<u>ETE</u>	

FIG.47

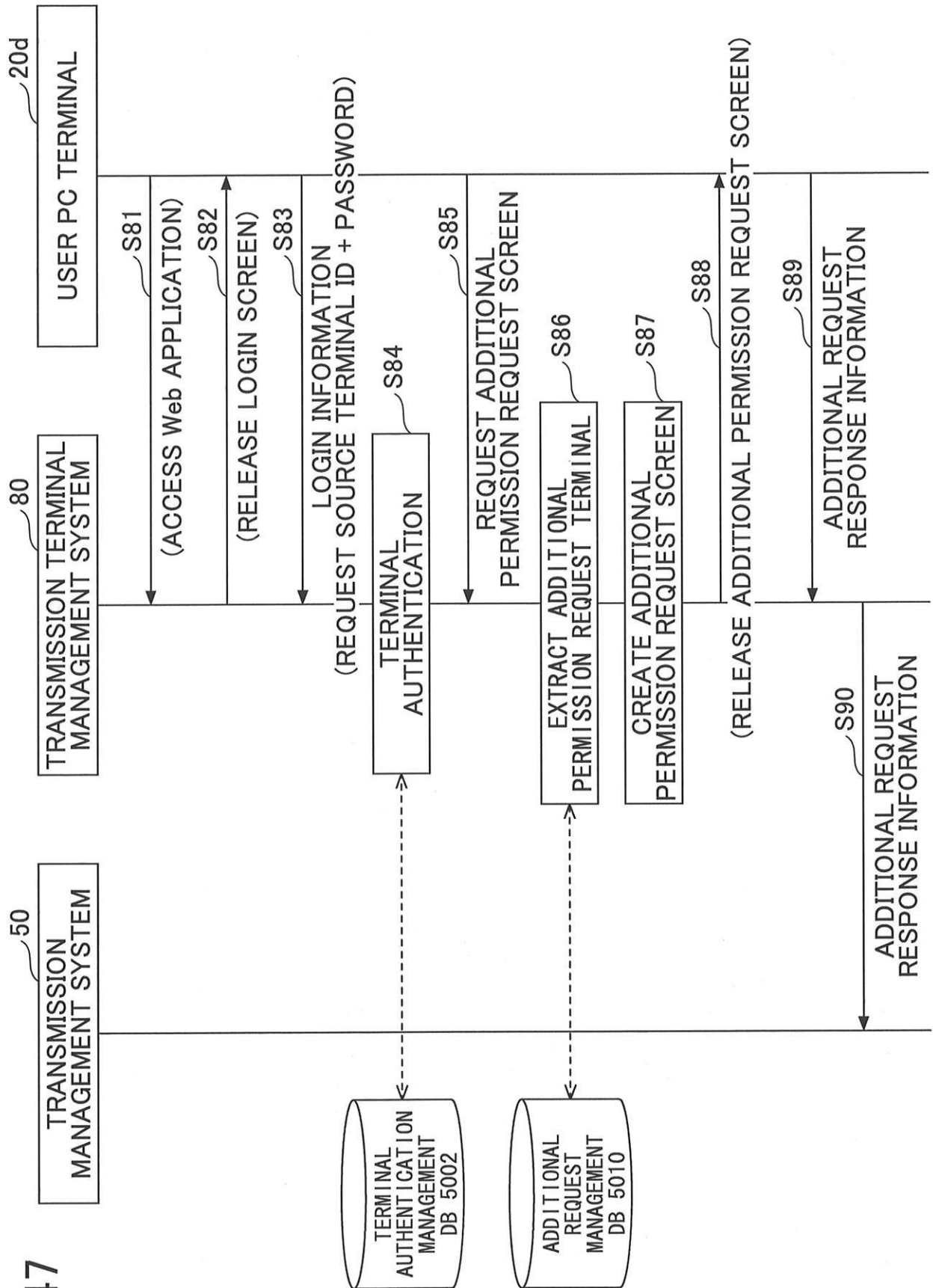


FIG.48

TERMINAL NAME	TERMINAL ID	OPERATION	▲
AA TERMINAL, TOKYO OFFICE, JAPAN	10aa	<u>PERMIT</u> <u>REJECT</u> <u>SUSPEND</u>	
CC TERMINAL, NEW YORK OFFICE, U.S.	10cc	<u>PERMIT</u> <u>REJECT</u> <u>SUSPEND</u>	
			▶

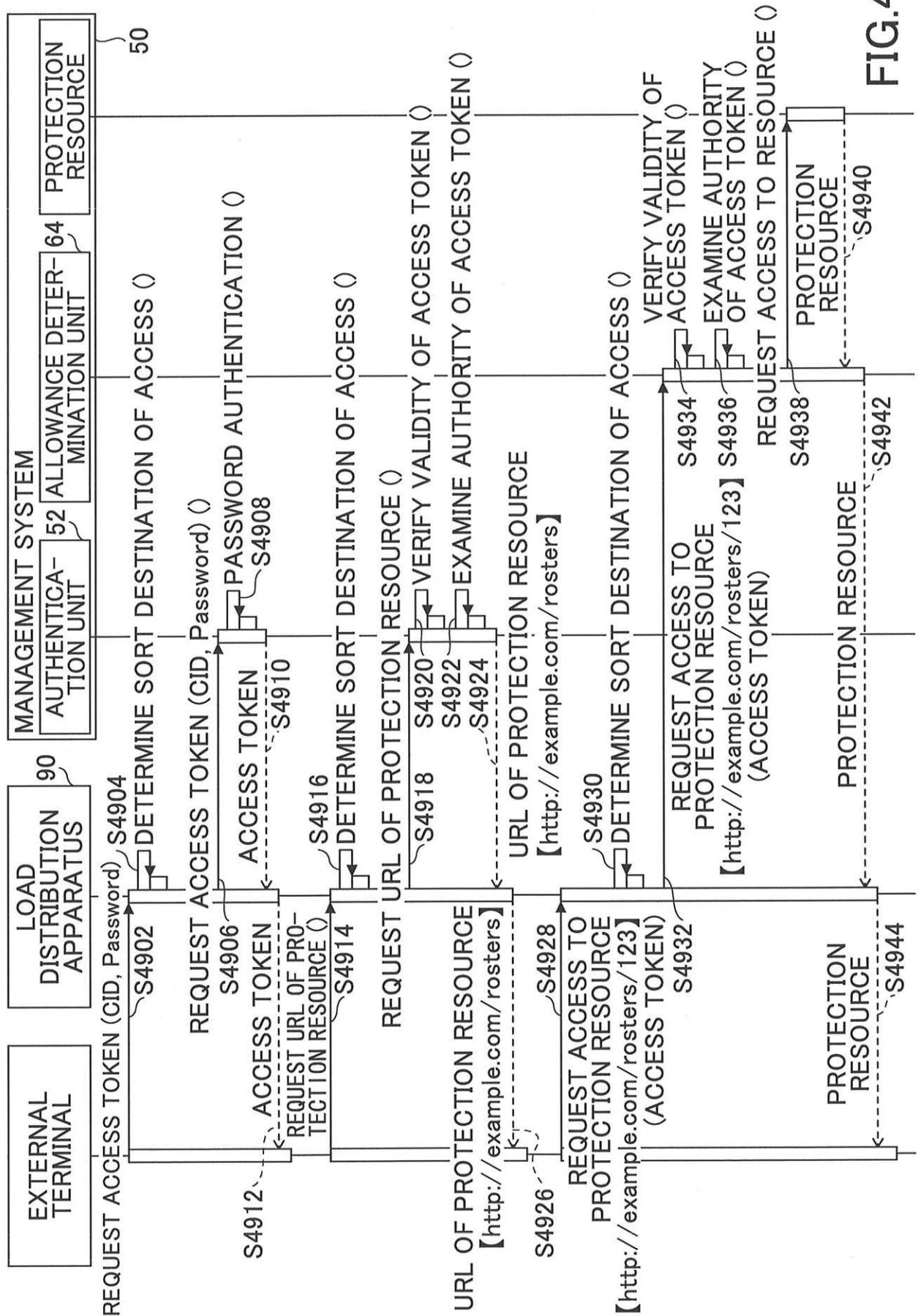


FIG. 49

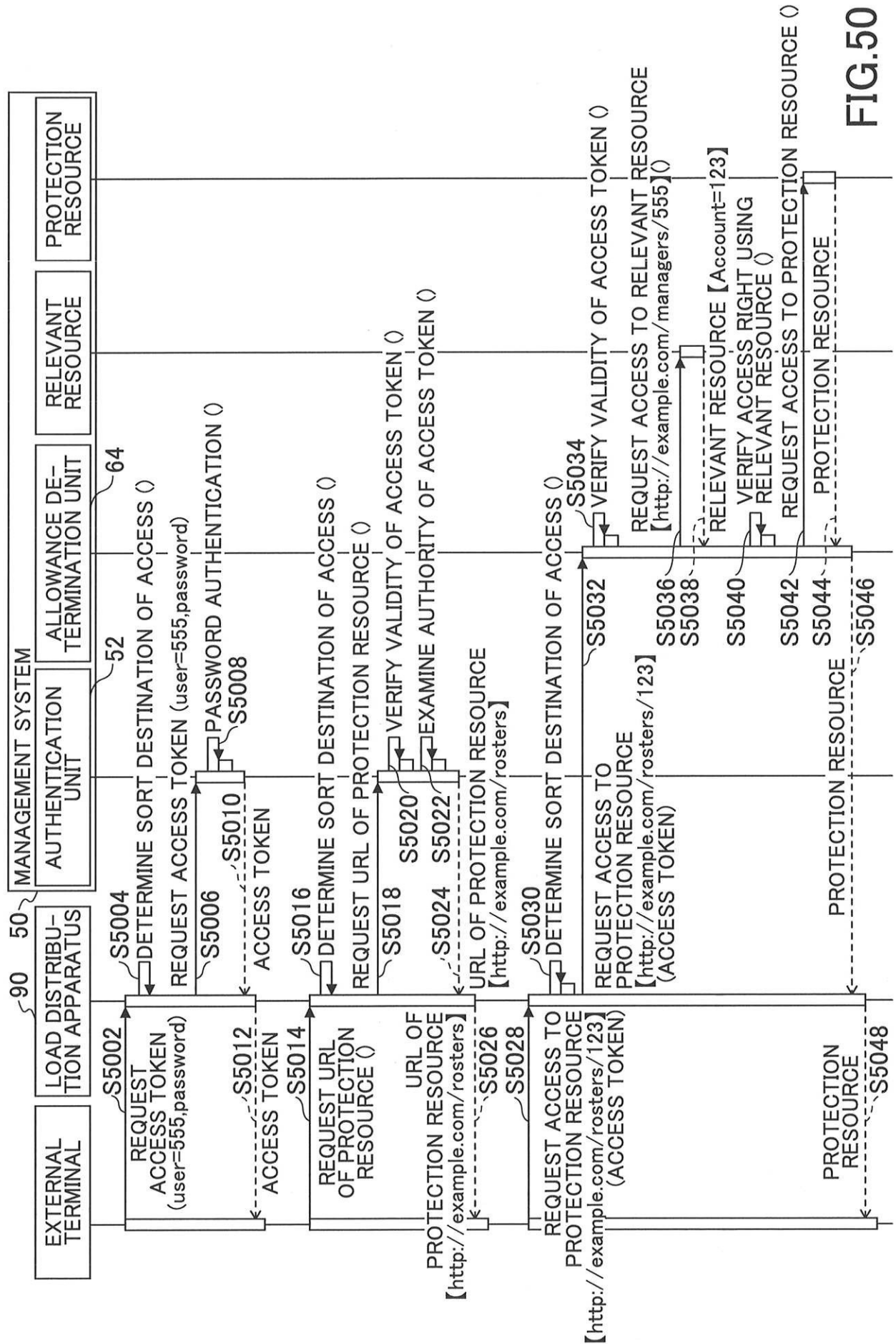


FIG.50

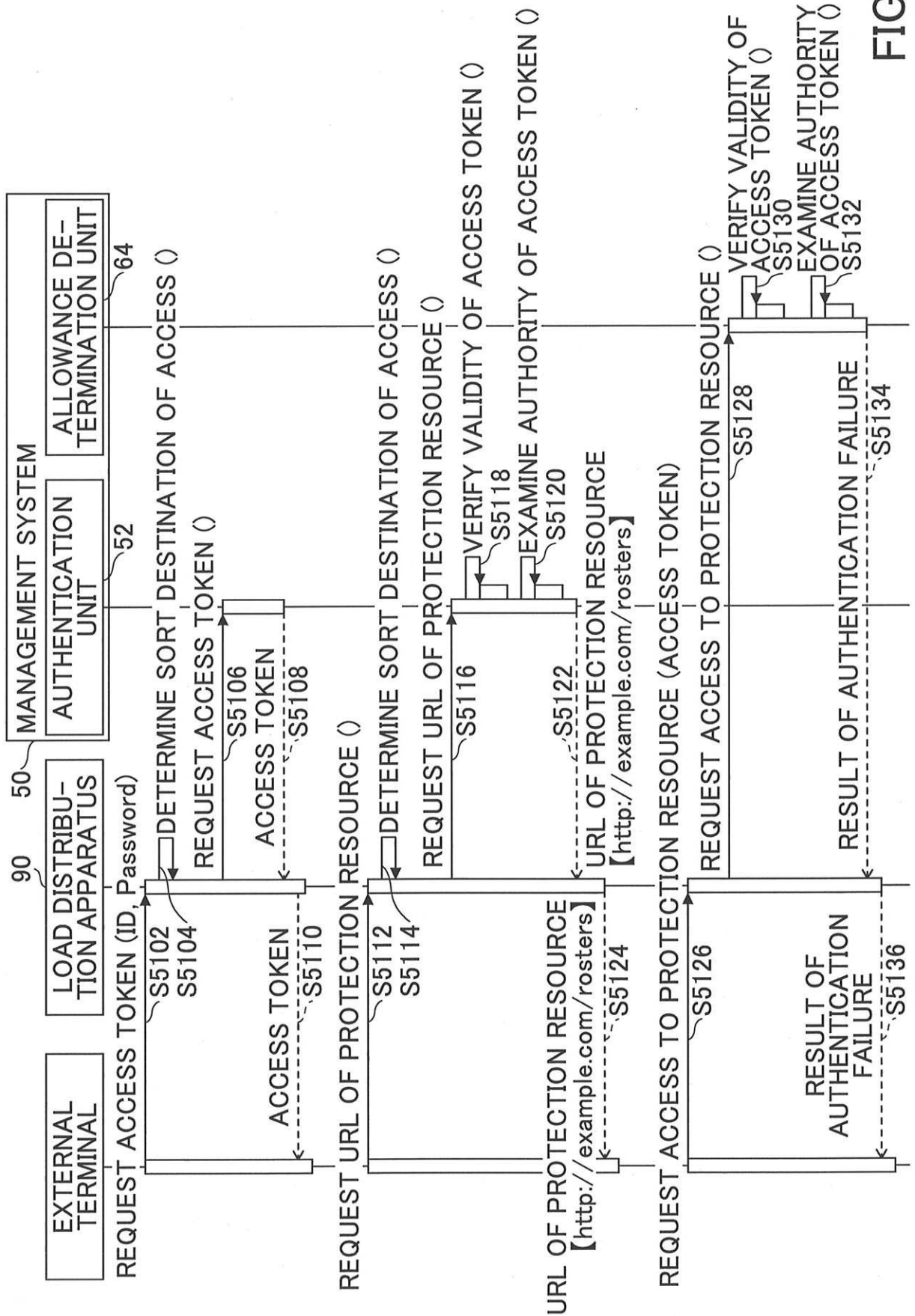


FIG.51

FIG.52

