

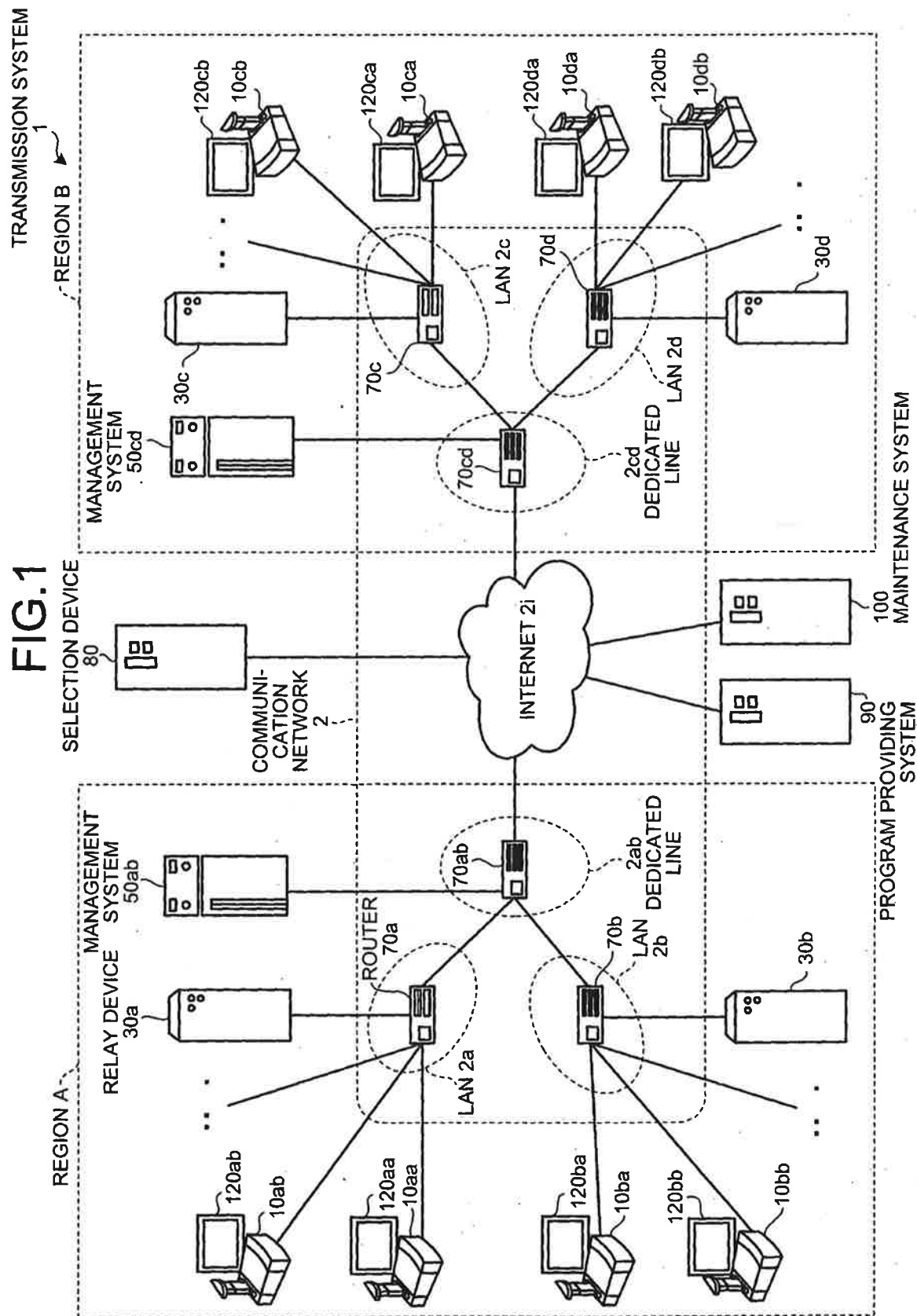


FIG.2

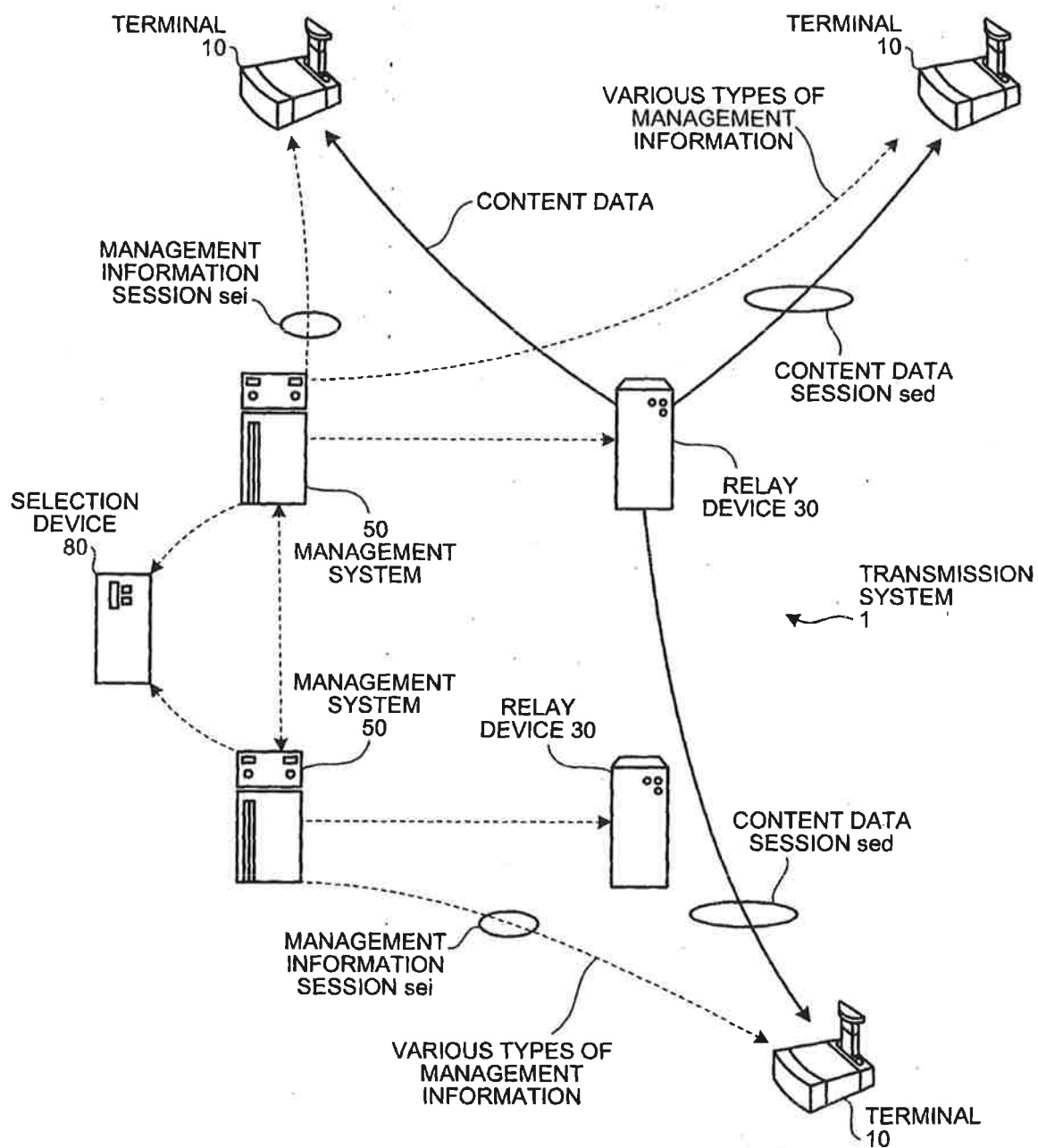
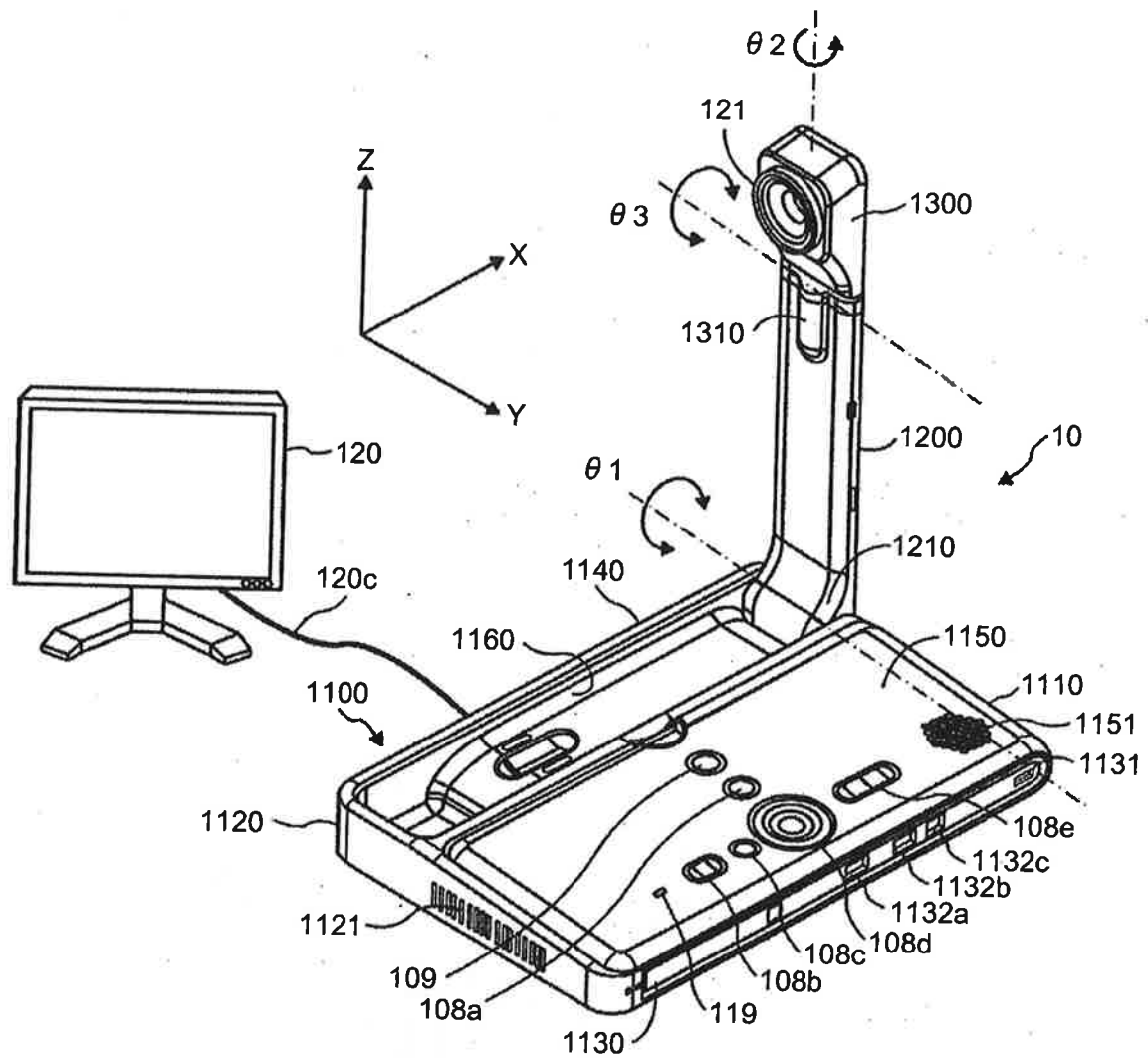
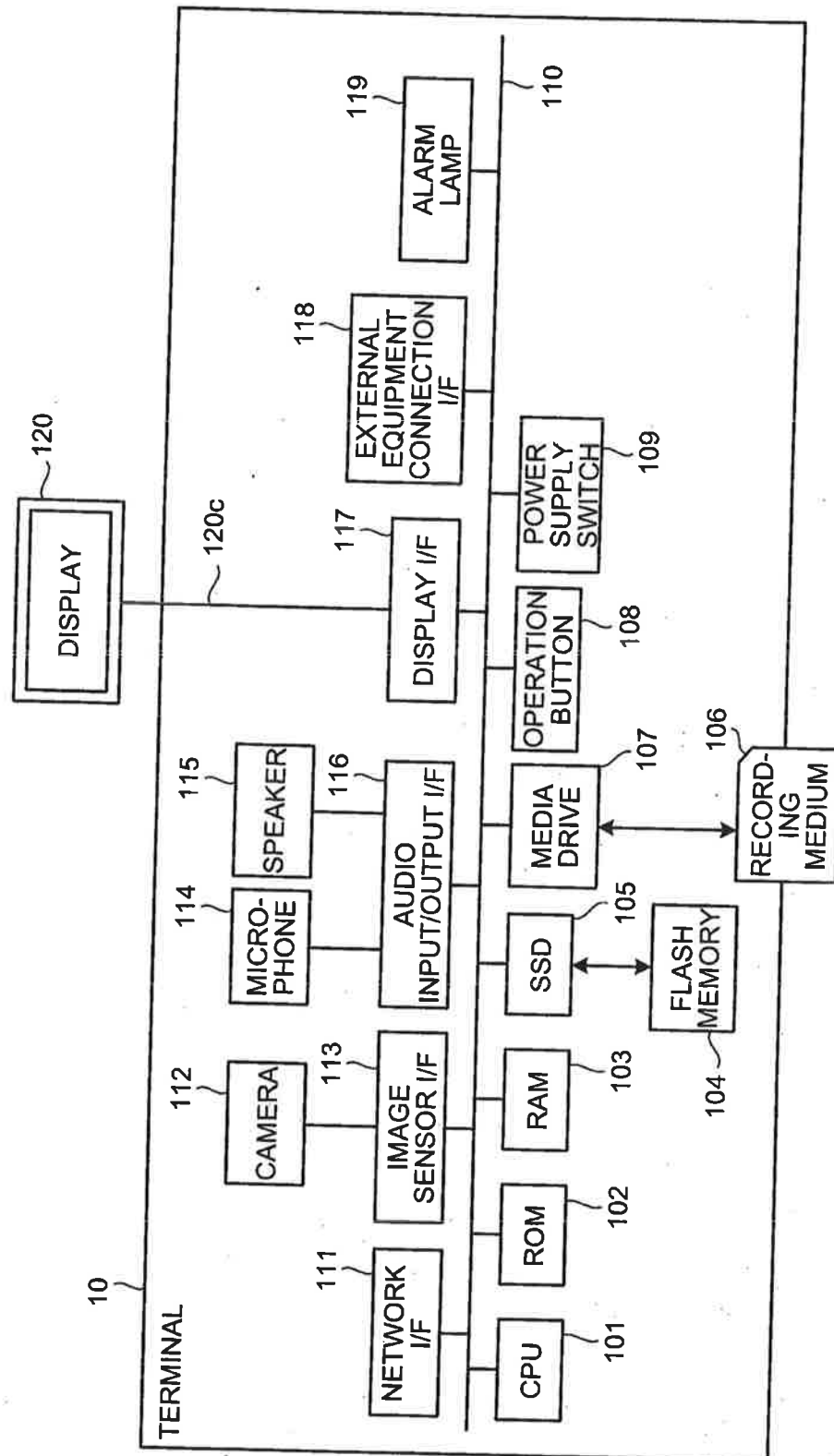


FIG.3



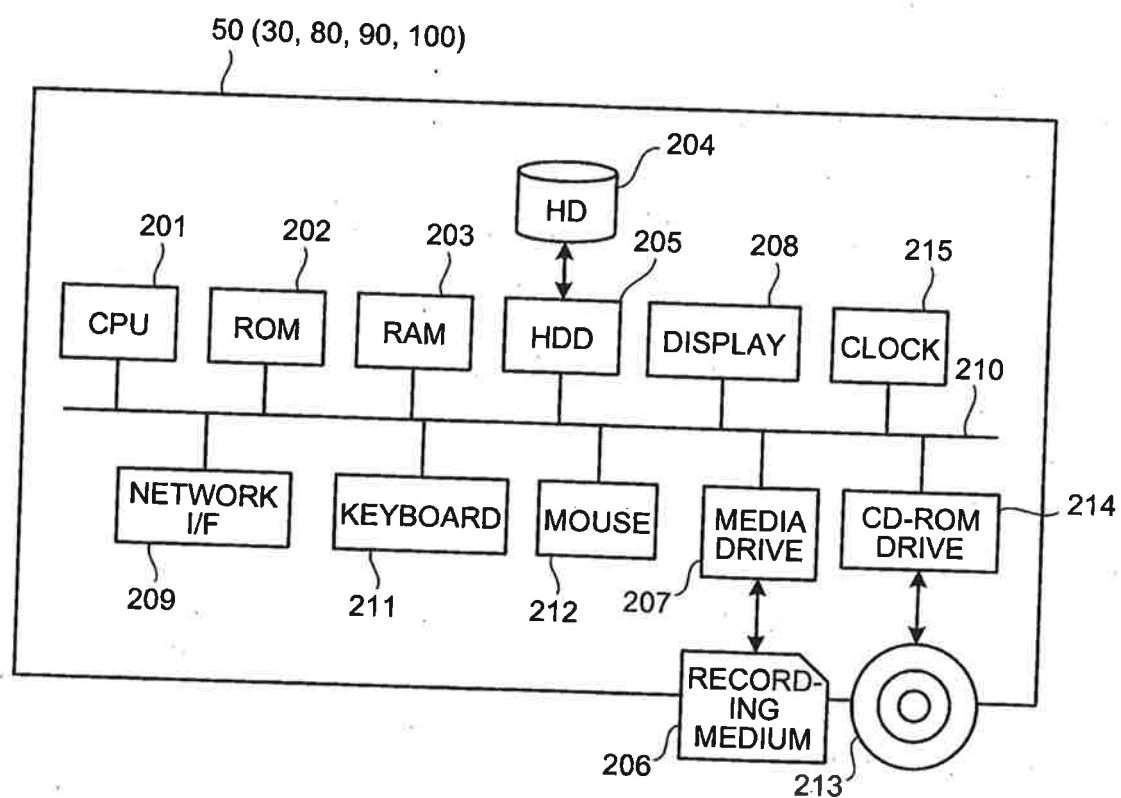
4/20

FIG.4



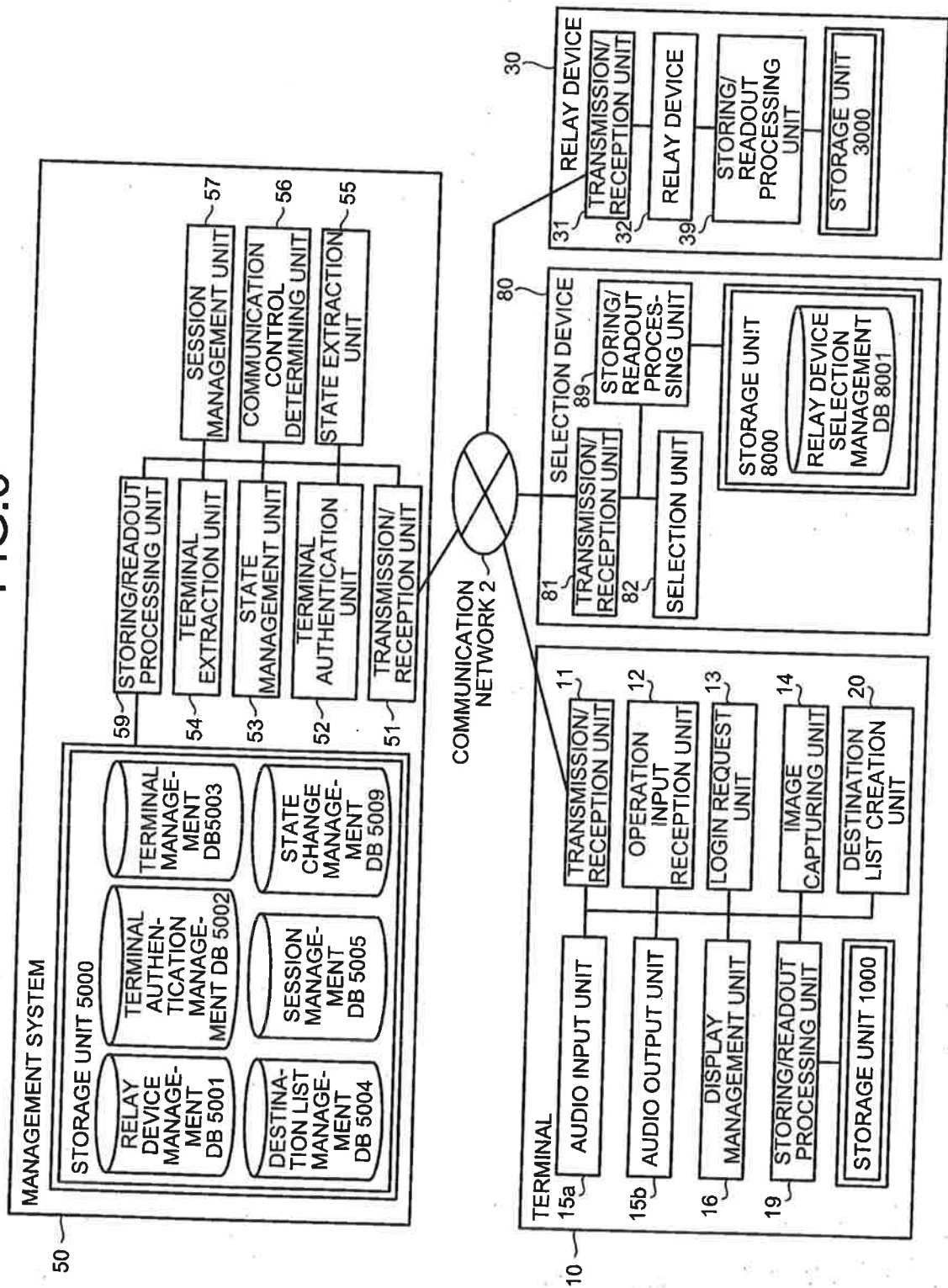
5/20

FIG.5



6/20

FIG.6



7/20

FIG.7

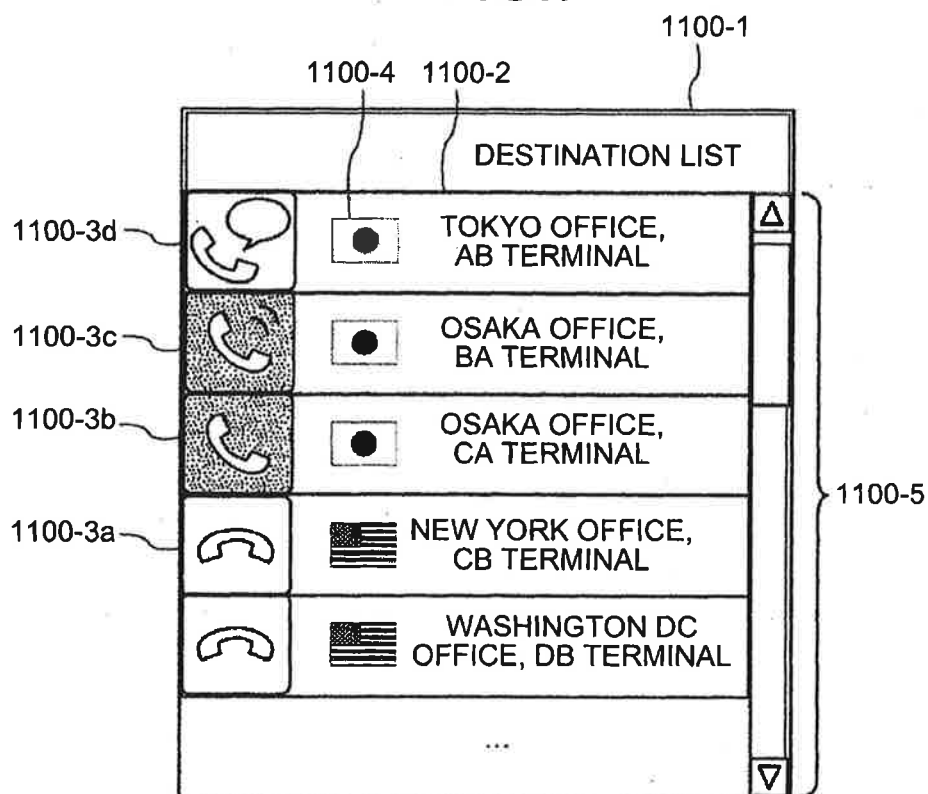


FIG.8

(a) RELAY DEVICE MANAGEMENT TABLE

RELAY DEVICE ID	PASSWORD
111a@jp.oo.com	xxxx
111b@jp.oo.com	yyyy

(b) RELAY DEVICE MANAGEMENT TABLE

RELAY DEVICE ID	PASSWORD
111c@us.oo.com	xyxy
111d@us.oo.com	zyzy

8/20

FIG.9**(a) TERMINAL AUTHENTICATION MANAGEMENT TABLE**

TERMINAL ID/DOMAIN INFORMATION	PASSWORD
01aa@jp.oo.com	aaaa
01ab@jp.oo.com	abab
01ba@jp.oo.com	baba
...	...

(b) TERMINAL AUTHENTICATION MANAGEMENT TABLE

TERMINAL ID/DOMAIN INFORMATION	PASSWORD
01ca@us.oo.com	cccc
01cb@us.oo.com	cdcd
01da@us.oo.com	dcdc
...	...

FIG.10**(a) TERMINAL MANAGEMENT TABLE**

TERMINAL ID	DESTINATION NAME	STATE INFORMATION
01aa@jp.oo.com	TOKYO OFFICE, AA TERMINAL	None
01ab@jp.oo.com	TOKYO OFFICE, AB TERMINAL	Busy
...	...	...
01ba@jp.oo.com	OSAKA OFFICE, BA TERMINAL	Calling
01bb@jp.oo.com	OSAKA OFFICE, BB TERMINAL	Ringing
...	...	...
01db@us.oo.com	WASHINGTON DC OFFICE, DB TERMINAL	None
...	...	...

(b) TERMINAL MANAGEMENT TABLE

TERMINAL ID	DESTINATION NAME	STATE INFORMATION
01ca@us.oo.com	NEW YORK OFFICE, CA TERMINAL	None
01cb@us.oo.com	NEW YORK OFFICE, CB TERMINAL	Offline
...	...	...
01da@us.oo.com	WASHINGTON DC OFFICE, DA TERMINAL	Accepted
01db@us.oo.com	WASHINGTON DC OFFICE, DB TERMINAL	None
...	...	...
01aa@jp.oo.com	TOKYO OFFICE, AA TERMINAL	None
...	...	...

9/20

FIG.11**(a) DESTINATION LIST MANAGEMENT TABLE**

TERMINAL ID	
REQUESTOR	DESTINATION
01aa@jp.oo.com	01ab@jp.oo.com 01ba@jp.oo.com 01ca@us.oo.com 01cb@us.oo.com 01db@us.oo.com
01ab@jp.oo.com	01aa@jp.oo.com 01ca@us.oo.com 01cb@us.oo.com 01cc@us.oo.com
...	...

(b) DESTINATION LIST MANAGEMENT TABLE

TERMINAL ID	
REQUESTOR	DESTINATION
01ca@us.oo.com	01aa@jp.oo.com 01ba@jp.oo.com 01cb@us.oo.com 01db@us.oo.com
01cb@us.oo.com	01aa@jp.oo.com 01ca@us.oo.com 01cc@us.oo.com
...	...

FIG.12**(a) SESSION MANAGEMENT TABLE**

SESSION ID	RELAY DEVICE ID	TERMINAL ID
se01@jp.oo.com	111a@jp.oo.com	01ab@jp.oo.com,01db@us.oo.com
se02@jp.oo.com	111b@jp.oo.com	01bd@jp.oo.com
...	...	...

(b) SESSION MANAGEMENT TABLE

SESSION ID	RELAY DEVICE ID	TERMINAL ID
se51@us.oo.com	111c@us.oo.com	01da@us.oo.com,01cc@us.oo.com
se52@us.oo.com	111b@us.oo.com	01be@us.oo.com
...	...	...

10/20

FIG.13

(a) STATE CHANGE MANAGEMENT TABLE (Call, Join, Leave)

MANAGEMENT INFORMATION	STATE INFORMATION BEFORE CHANGE	STATE INFORMATION AFTER CHANGE
Call	None	Accepted
Join	Accepted	Busy
Leave	Busy	None

(b) STATE CHANGE MANAGEMENT TABLE (Invite, Accepted)

MANAGEMENT INFORMATION	TERMINAL INFORMATION	STATE INFORMATION BEFORE CHANGE	STATE INFORMATION AFTER CHANGE
Invite	SOURCE	None	Inviting
	DESTINATION	None	Invited
Ring	DESTINATION	Inviting	Calling
	SOURCE	Invited	Ringing
Accept	DESTINATION	Calling	Accepted
		Accepted	Accepted
	SOURCE	Ringing	Accepted

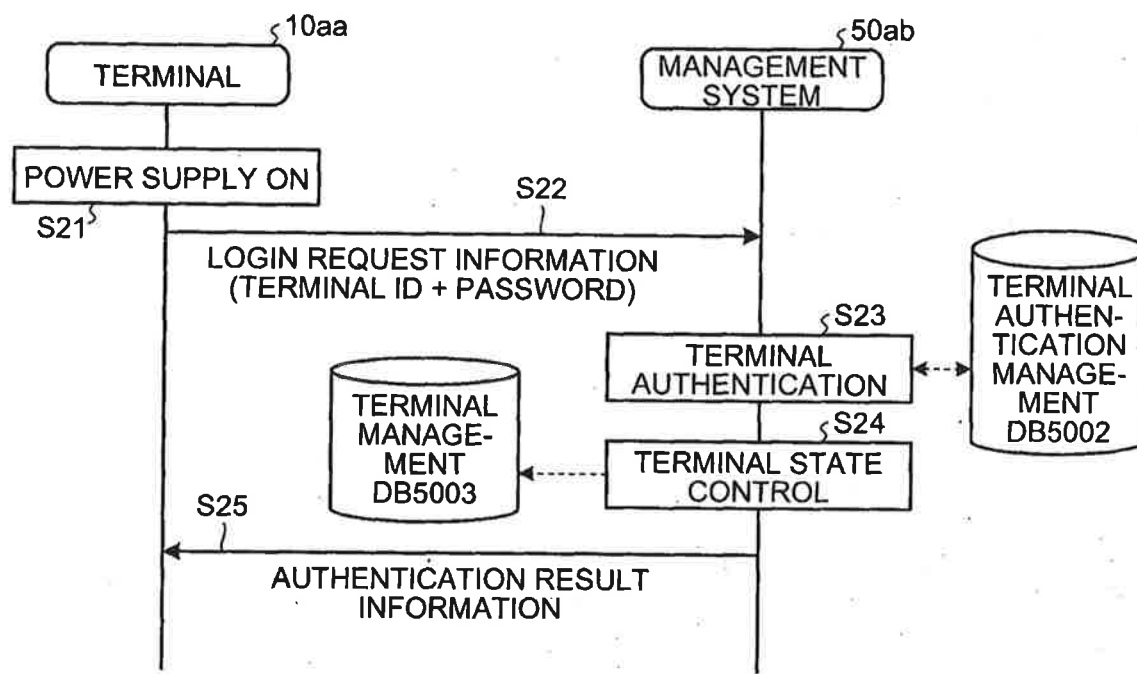
FIG.14

RELAY DEVICE SELECTION MANAGEMENT TABLE

RELAY DEVICE ID	TERMINAL ID	PRIORITY
111a@jp.oo.com	01aa@jp.oo.com	3
	...	...
	01db@us.oo.com	2
	...	...
111b@jp.oo.com	01aa@jp.oo.com	1
	...	...
	01db@us.oo.com	1
	...	...
111c@us.oo.com	01aa@jp.oo.com	1
	...	...
	01db@us.oo.com	2
	...	...
111d@us.oo.com	01aa@jp.oo.com	1
	...	...
	01db@us.oo.com	4
	...	...

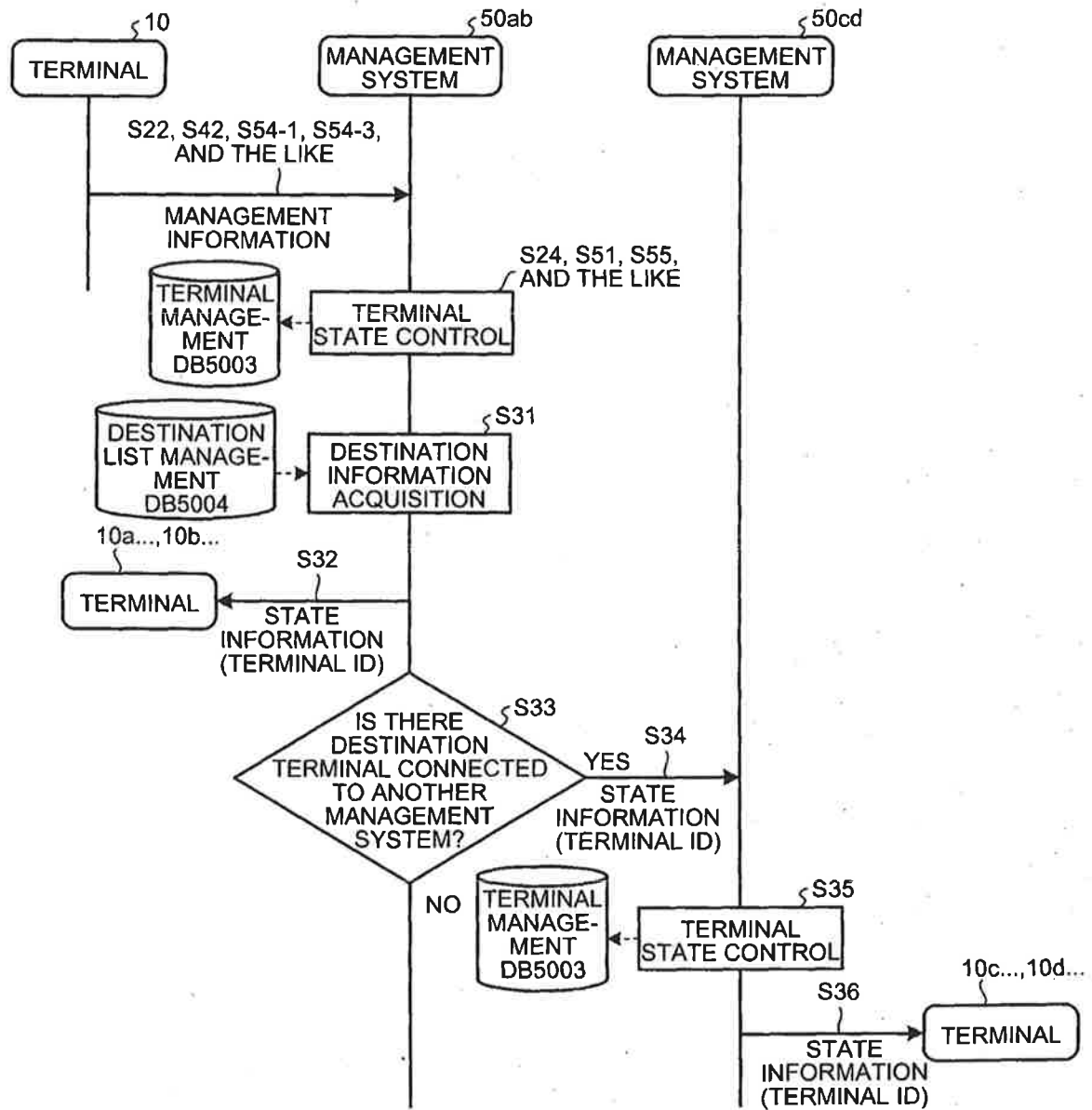
11/20

FIG.15



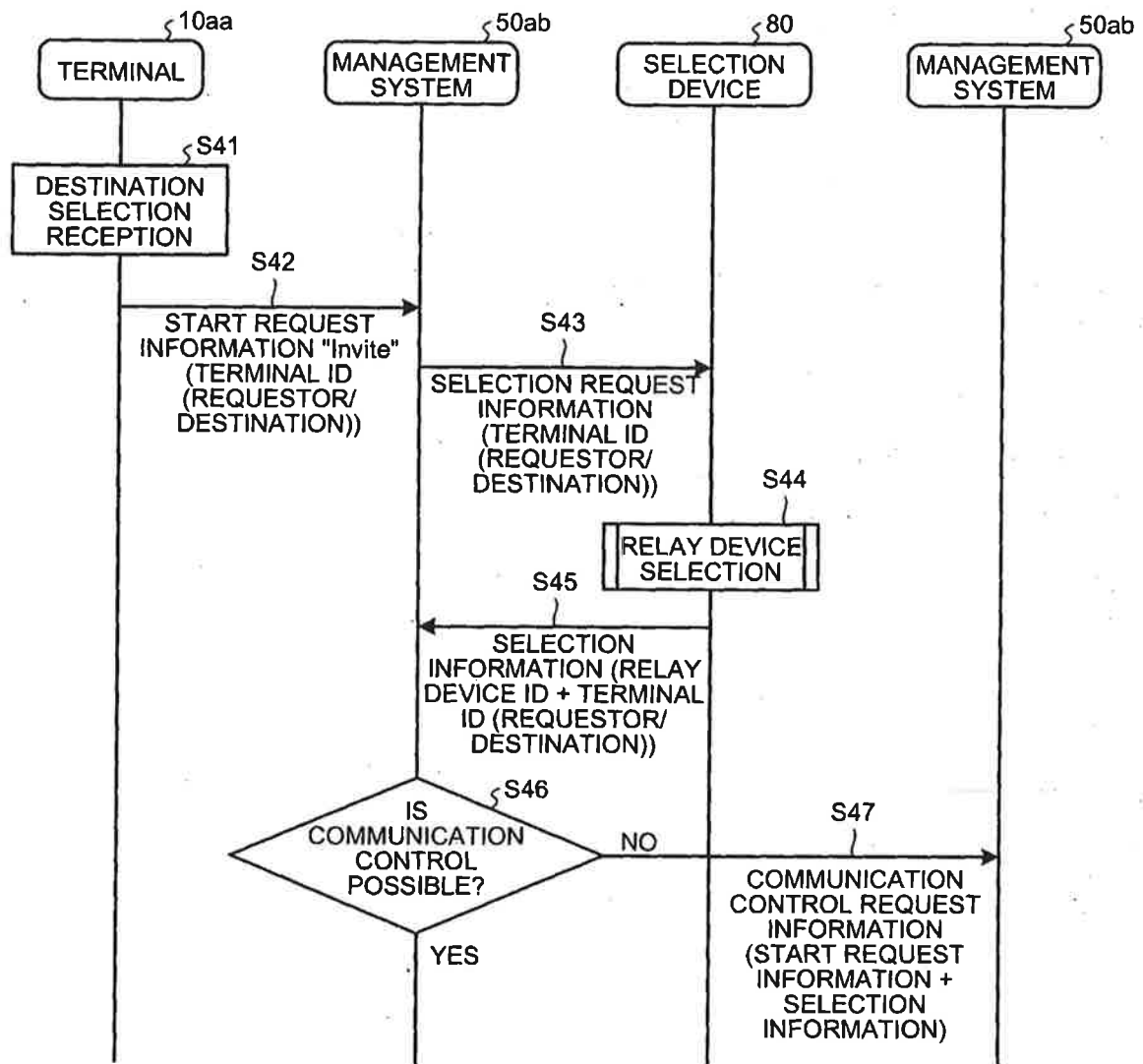
12/20

FIG.16



13/20

FIG.17



14/20

FIG.18

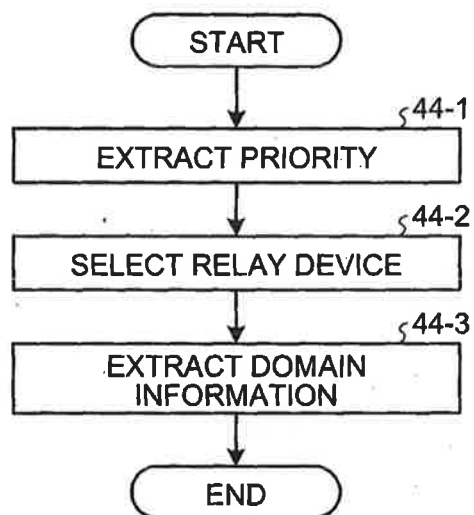
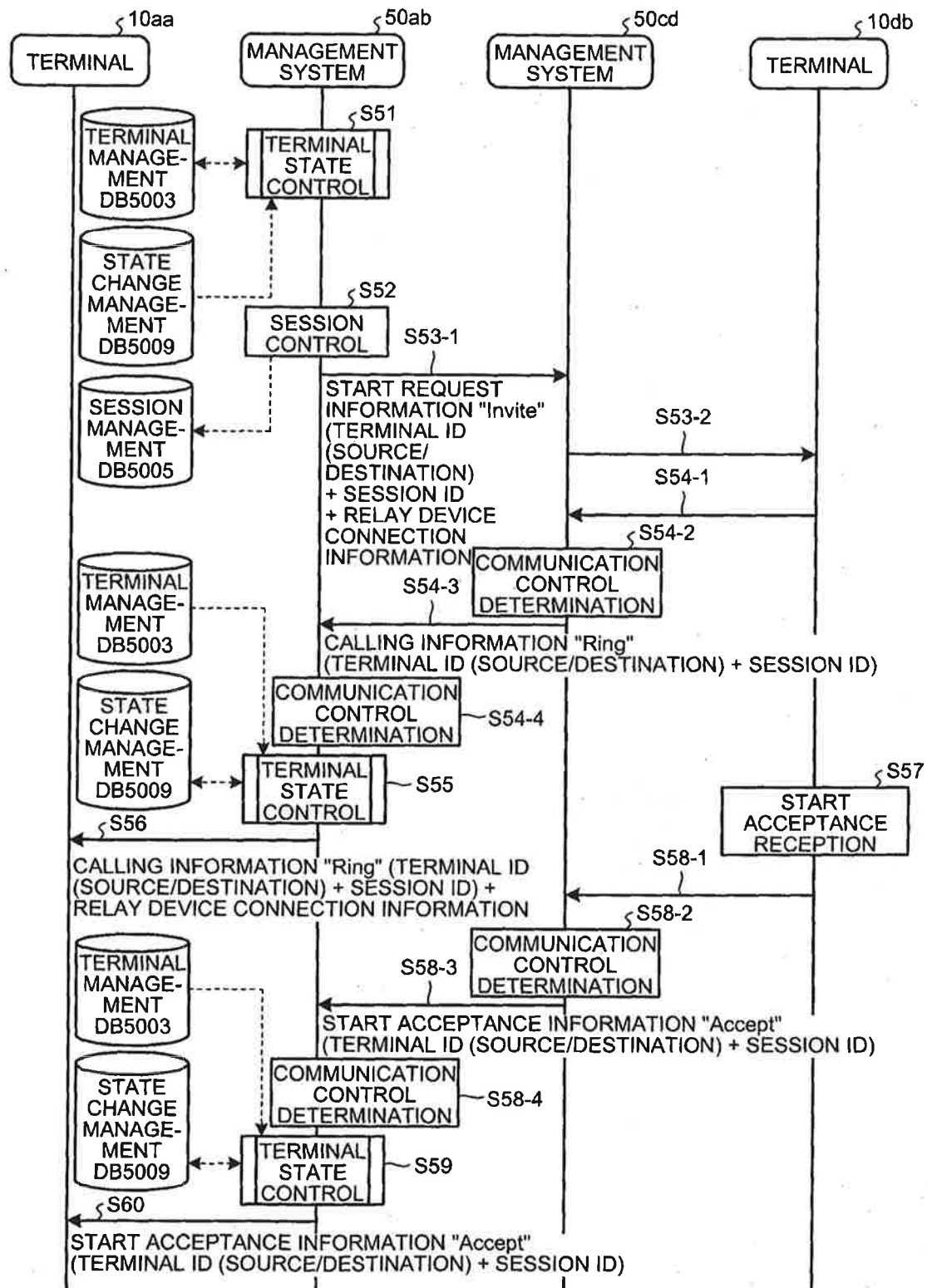


FIG.19



16/20

FIG.20

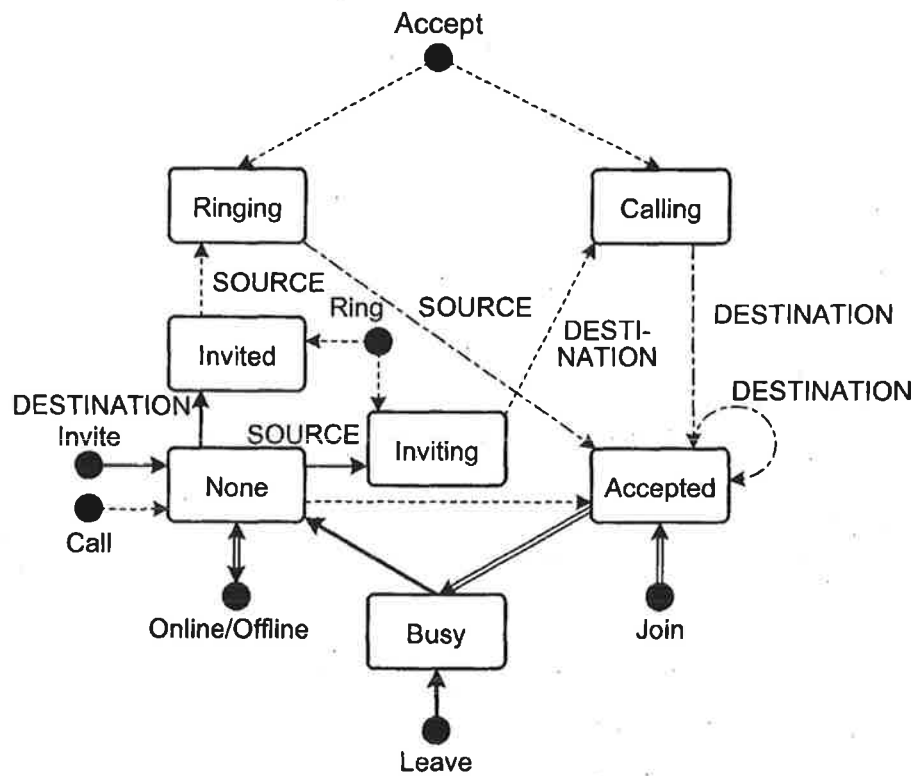
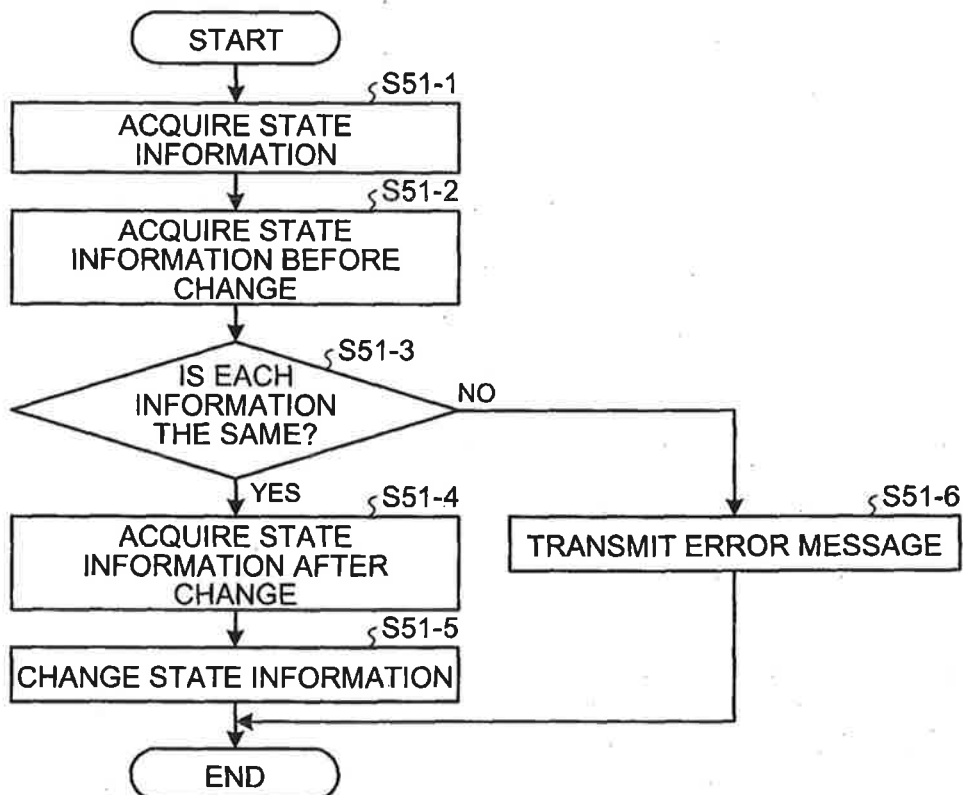
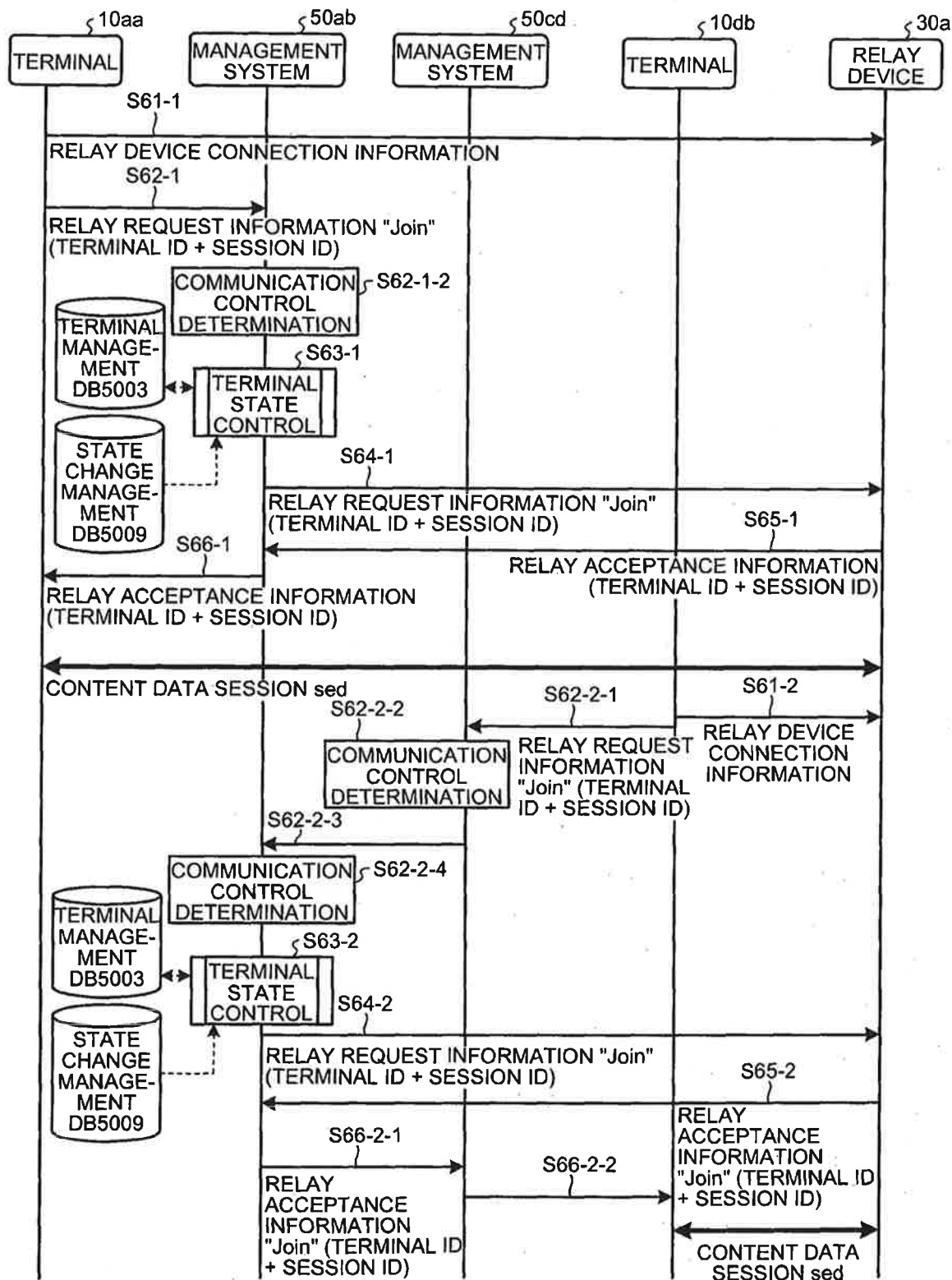


FIG.21



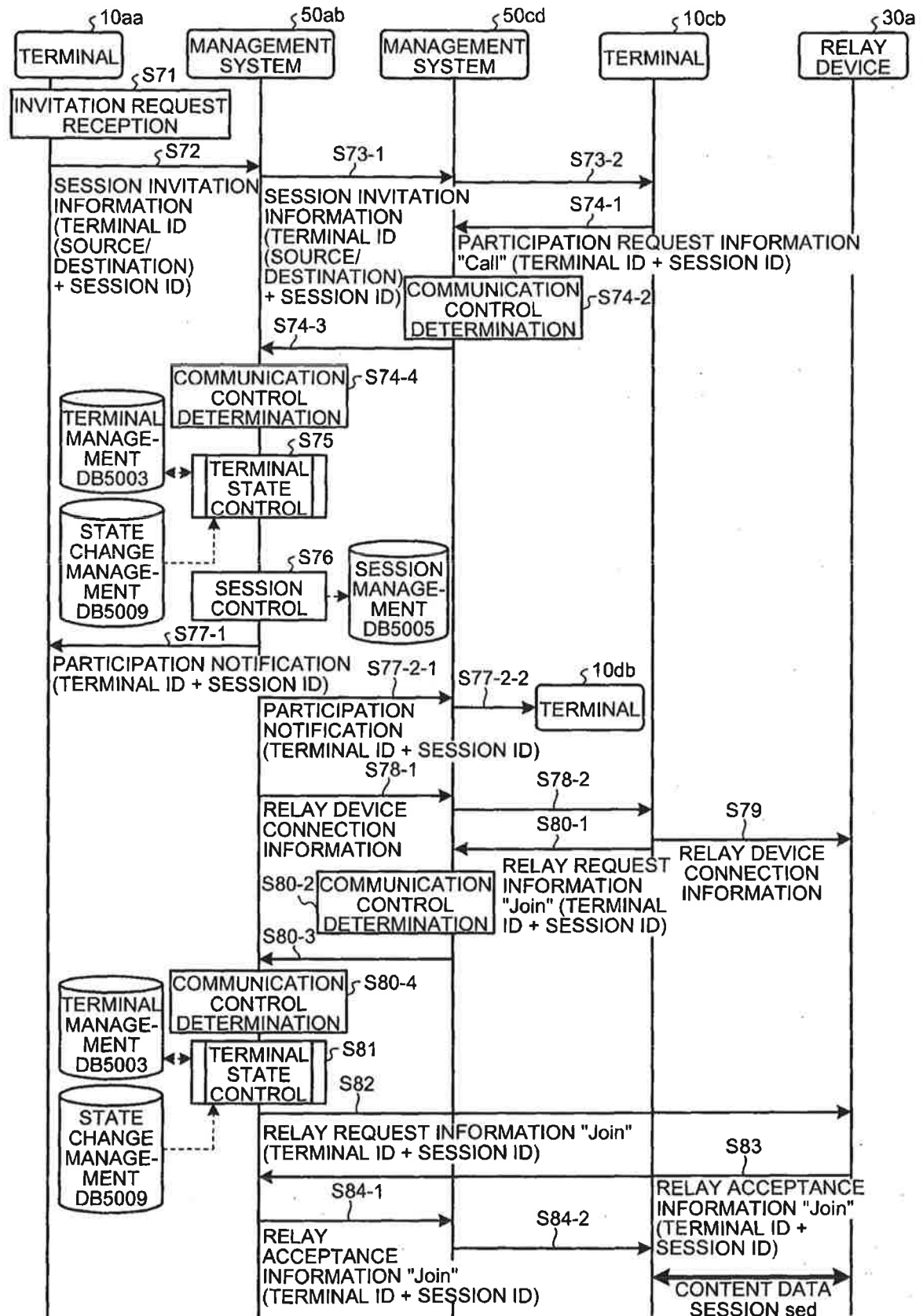
17/20

FIG.22



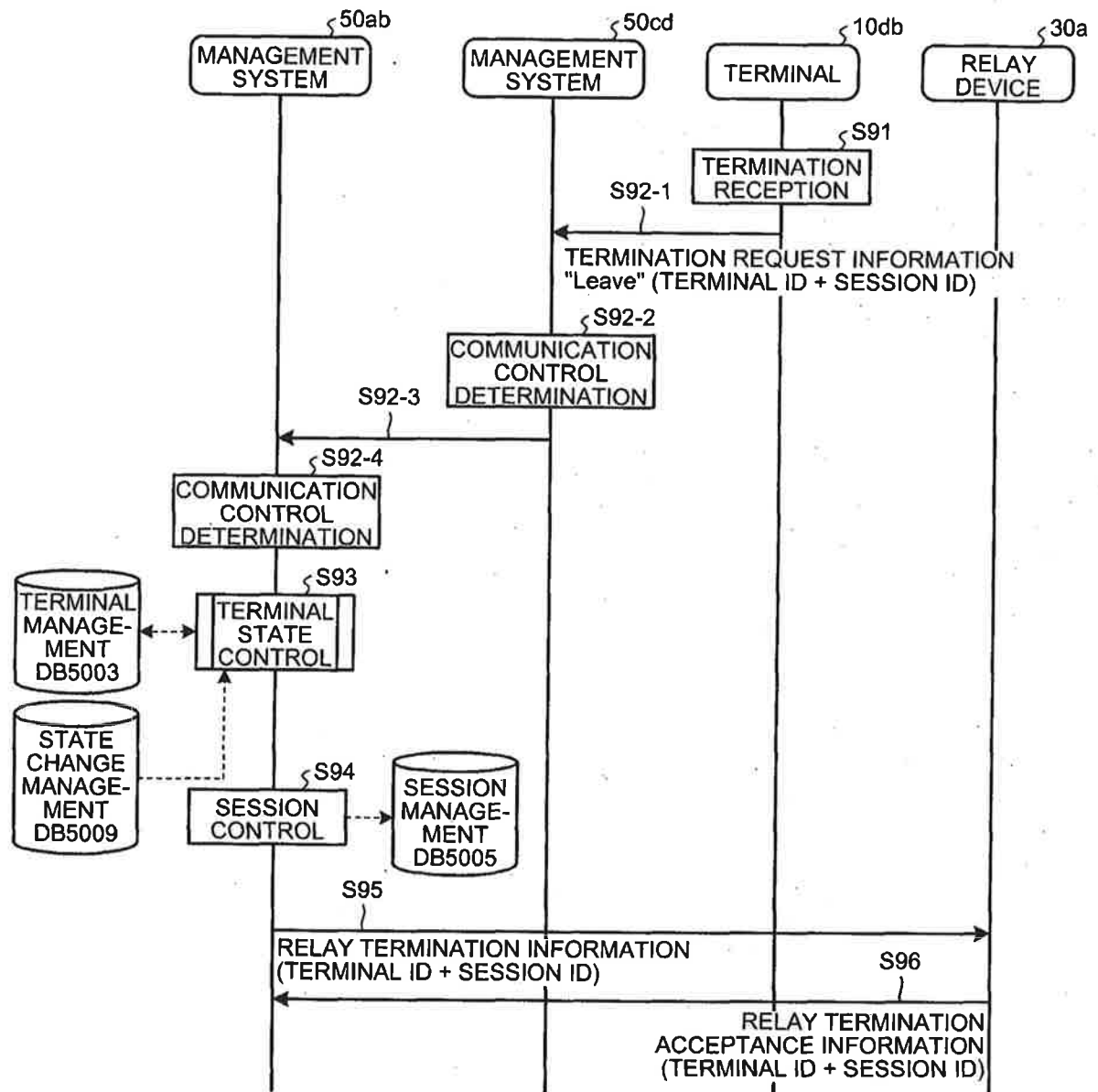
18/20

FIG.23



19/20

FIG.24



20/20

FIG.25

