FIG.1

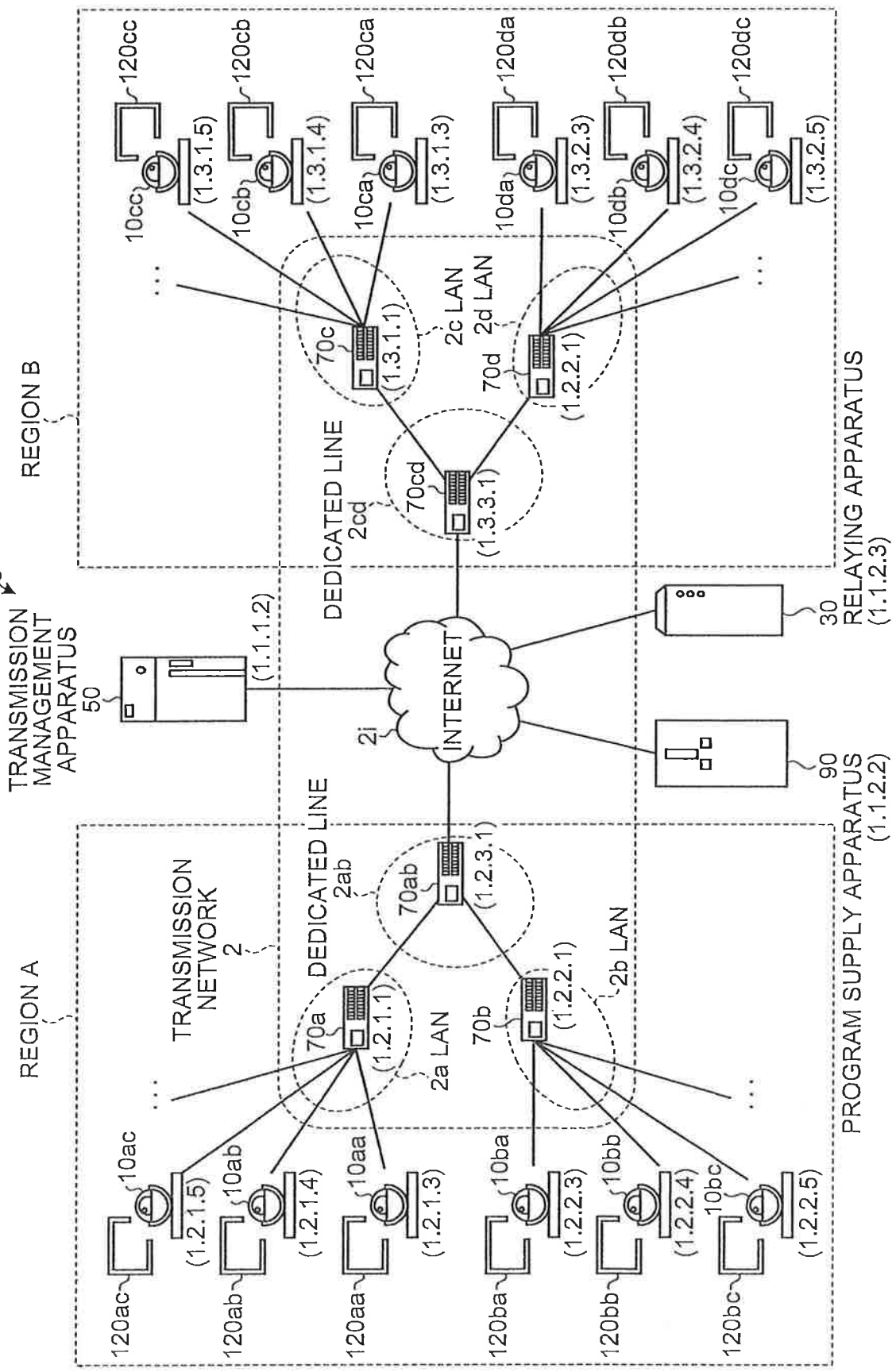

TRANSMISSION SYSTEM
1
REGION A
REGION B
TRANSMISSION NETWORK
2
TRANSMISSION MANAGEMENT APPARATUS
50
(1.1.1.2)
INTERNET
2i
DEDICATED LINE
2ab
DEDICATED LINE
2cd
2a LAN
2b LAN
2c LAN
2d LAN
70a
70b
70c
70d
70ab
70cd
(1.2.1.1)
(1.2.2.1)
(1.3.1.1)
(1.2.2.1)
(1.2.3.1)
(1.3.3.1)
30
RELAYING APPARATUS
(1.1.2.3)
90
PROGRAM SUPPLY APPARATUS
(1.1.2.2)
120ac
120ab
120aa
120ba
120bb
120bc
120cc
120cb
120ca
120da
120db
120dc
10ac
10ab
10aa
10ba
10bb
10bc
10cc
10cb
10ca
10da
10db
10dc
(1.2.1.5)
(1.2.1.4)
(1.2.1.3)
(1.2.2.3)
(1.2.2.4)
(1.2.2.5)
(1.3.1.5)
(1.3.1.4)
(1.3.1.3)
(1.3.2.3)
(1.3.2.4)
(1.3.2.5)

FIG.2

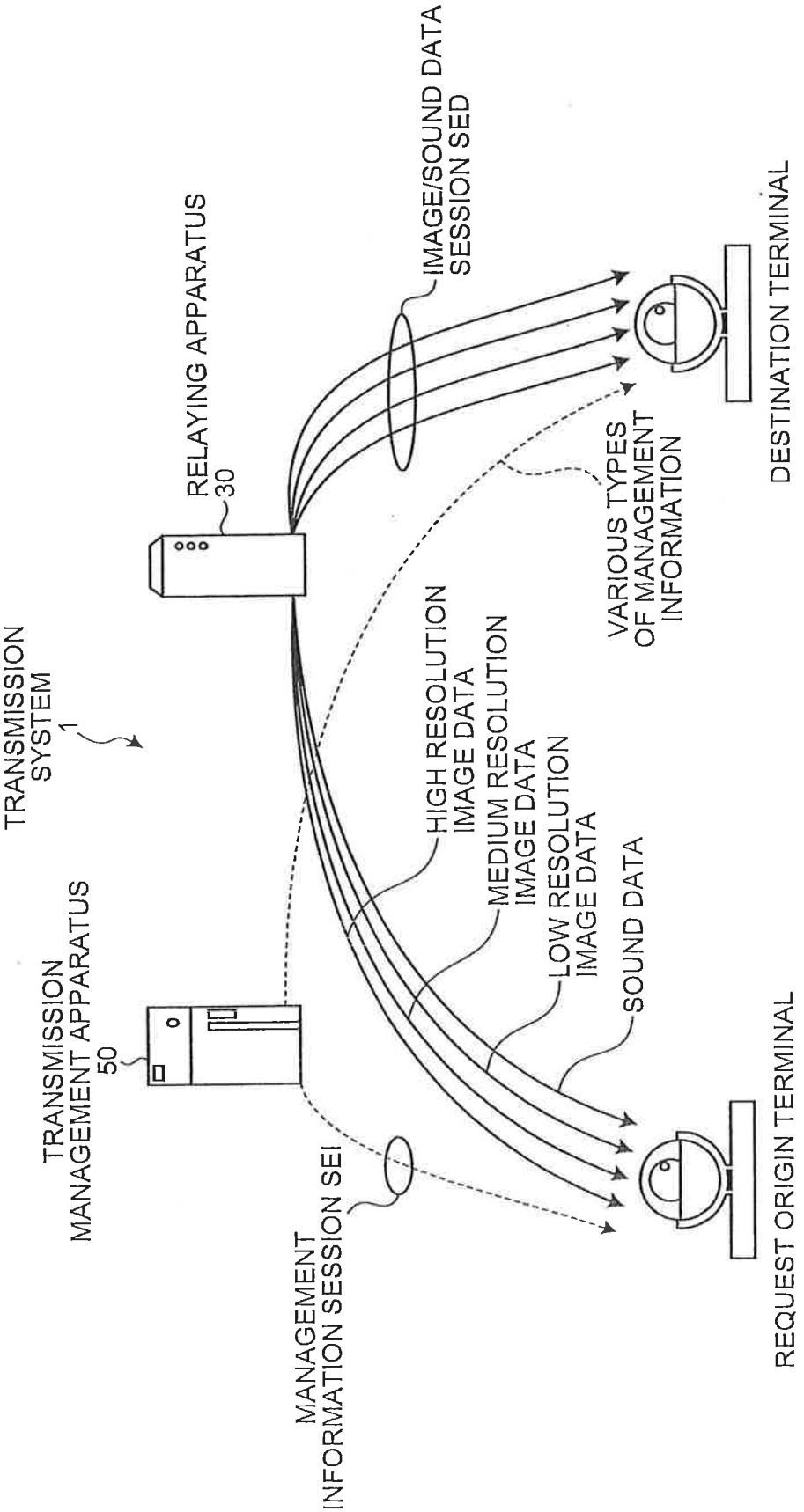
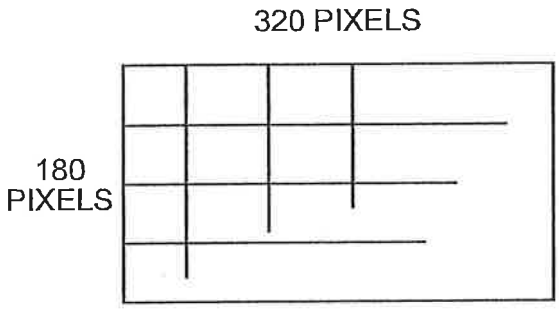

TRANSMISSION SYSTEM
1
TRANSMISSION MANAGEMENT APPARATUS
50
RELAYING APPARATUS
30
IMAGE/SOUND DATA SESSION SED
DESTINATION TERMINAL
VARIOUS TYPES OF MANAGEMENT INFORMATION
HIGH RESOLUTION IMAGE DATA
MEDIUM RESOLUTION IMAGE DATA
LOW RESOLUTION IMAGE DATA
SOUND DATA
MANAGEMENT INFORMATION SESSION SEI
REQUEST ORIGIN TERMINAL

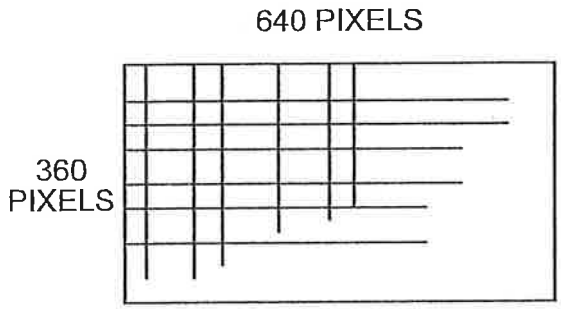
FIG.3

(a)



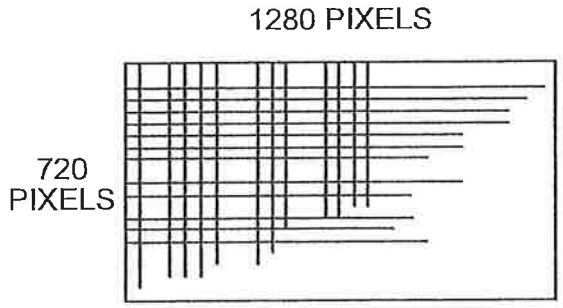
LOW RESOLUTION

(b)



MEDIUM RESOLUTION

(c)



HIGH RESOLUTION

FIG.4

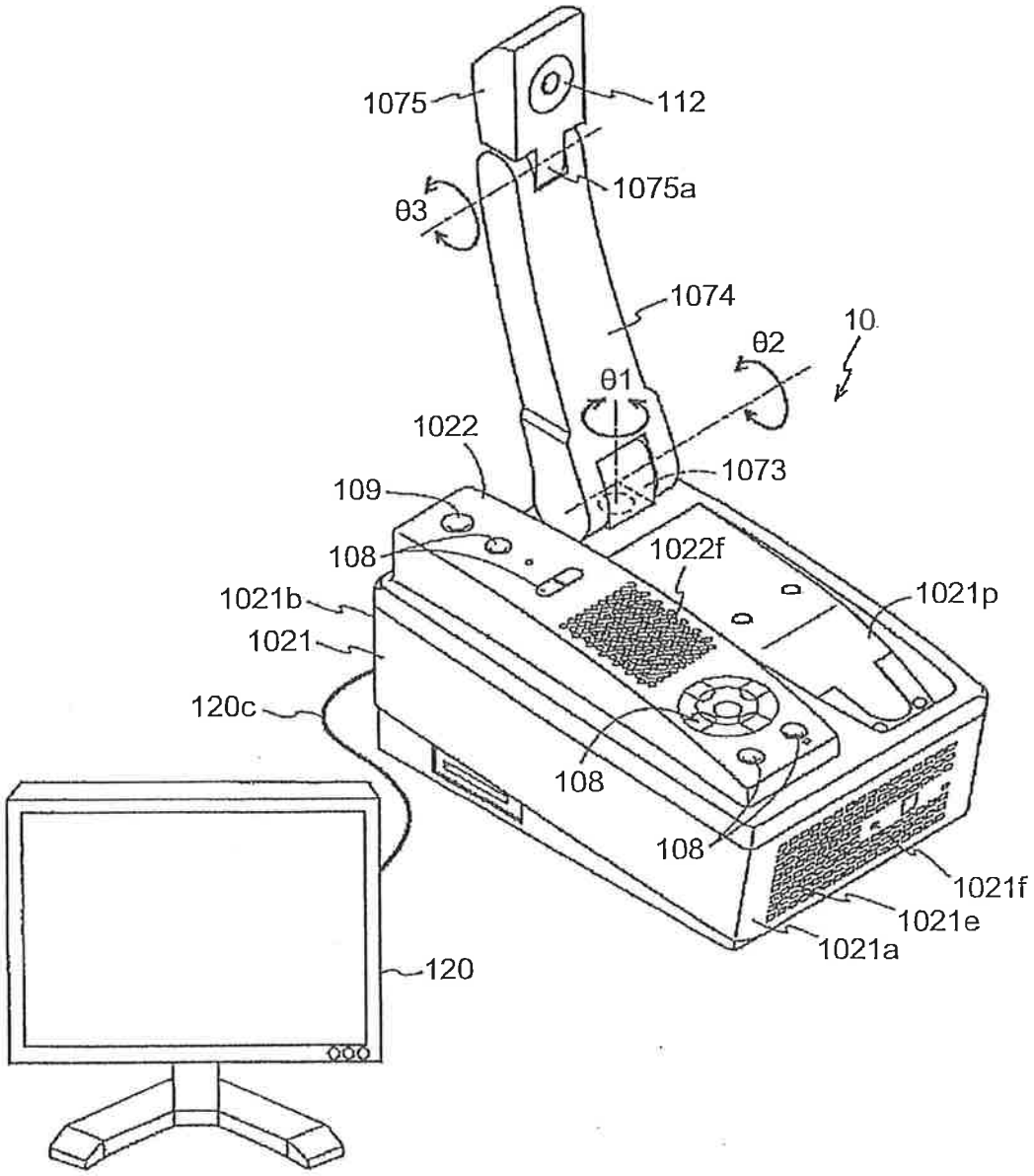

1075
112
1075a
θ3
1074
10
θ2
θ1
1022
1073
109
108
1022f
1021p
1021b
1021
120c
108
108
1021f
1021e
1021a
120

FIG.5

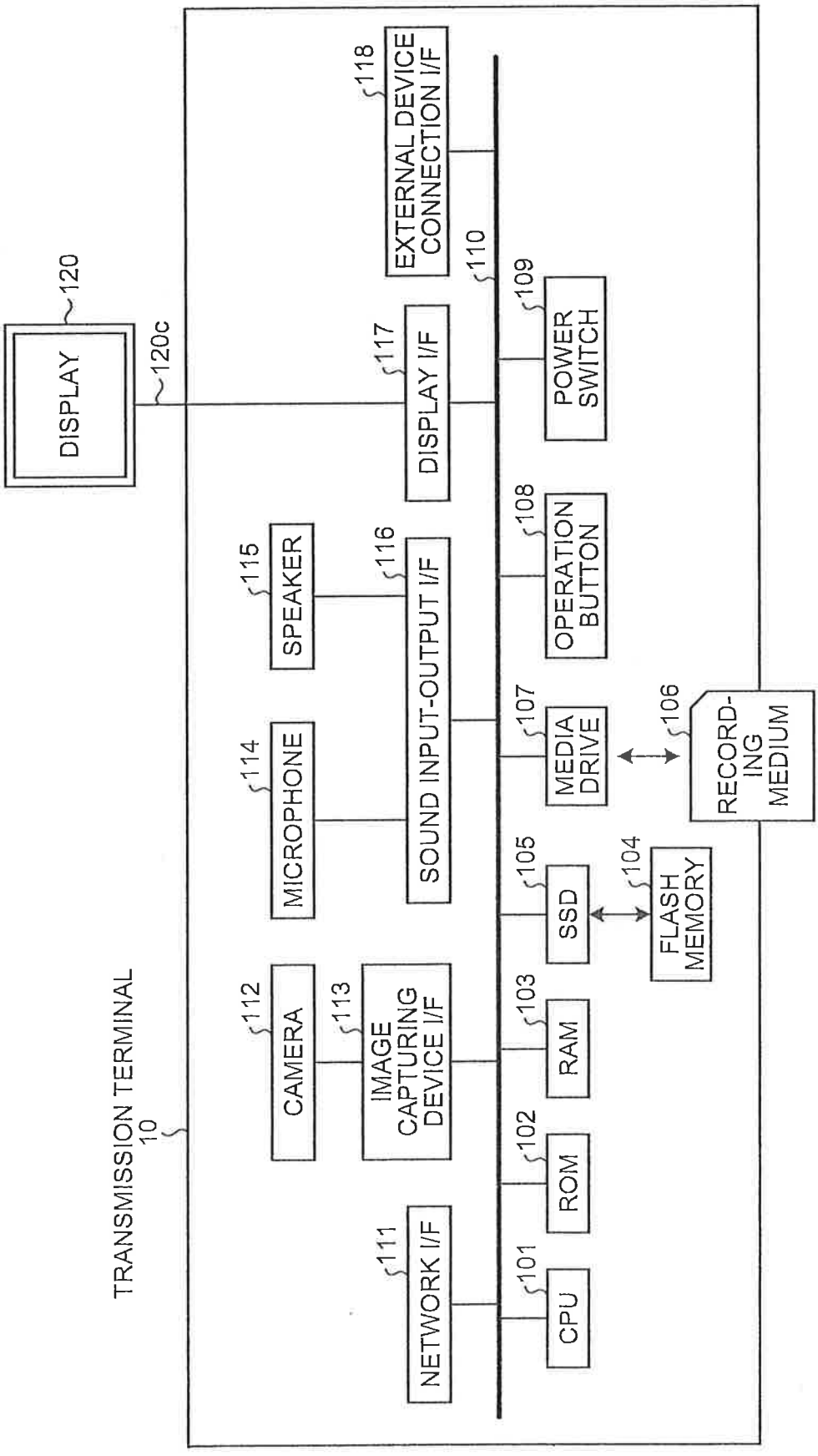

TRANSMISSION TERMINAL
10
DISPLAY
120
120c
EXTERNAL DEVICE CONNECTION I/F
118
DISPLAY I/F
117
POWER SWITCH
109
110
SPEAKER
115
SOUND INPUT-OUTPUT I/F
116
OPERATION BUTTON
108
MICROPHONE
114
MEDIA DRIVE
107
RECORD-ING MEDIUM
106
CAMERA
112
IMAGE CAPTURING DEVICE I/F
113
SSD
105
FLASH MEMORY
104
RAM
103
ROM
102
NETWORK I/F
111
CPU
101

FIG.6

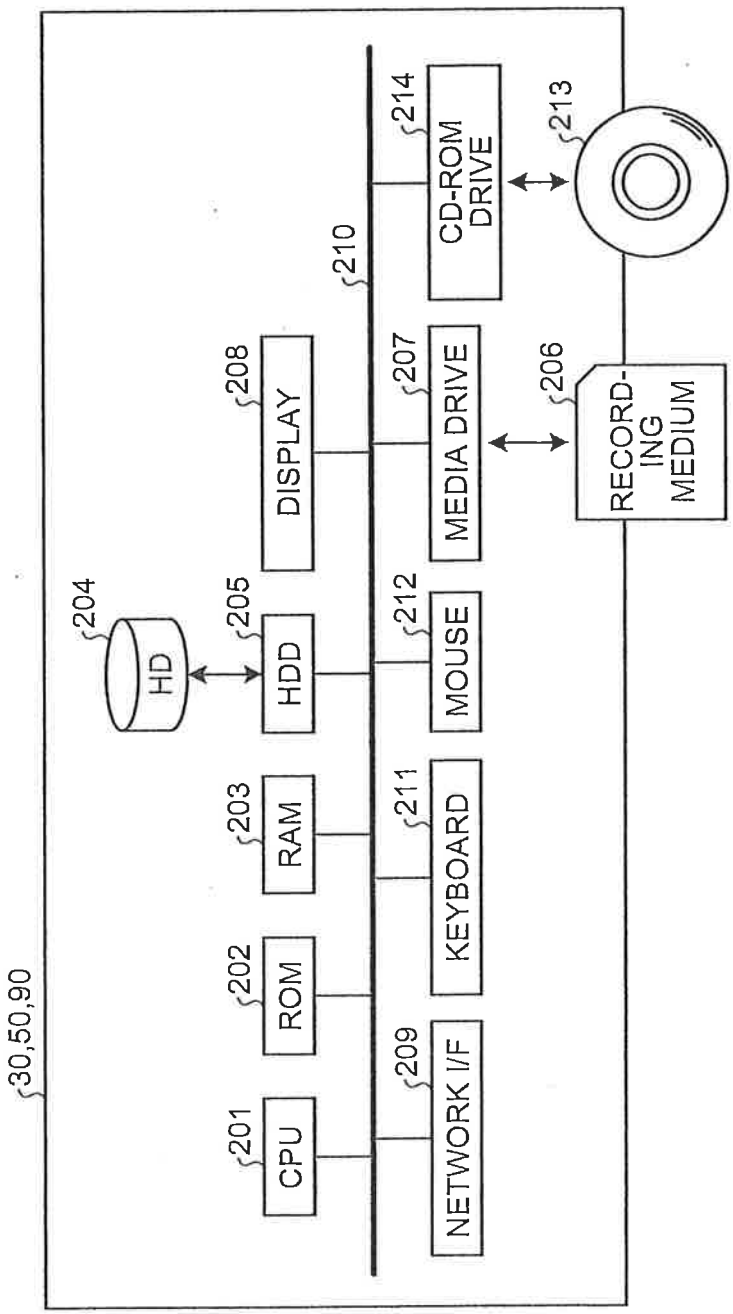

30,50,90
201
CPU
202
ROM
203
RAM
204
HD
205
HDD
208
DISPLAY
209
NETWORK I/F
210
211
KEYBOARD
212
MOUSE
207
MEDIA DRIVE
214
CD-ROM DRIVE
213
206
RECORD-ING MEDIUM

FIG.7

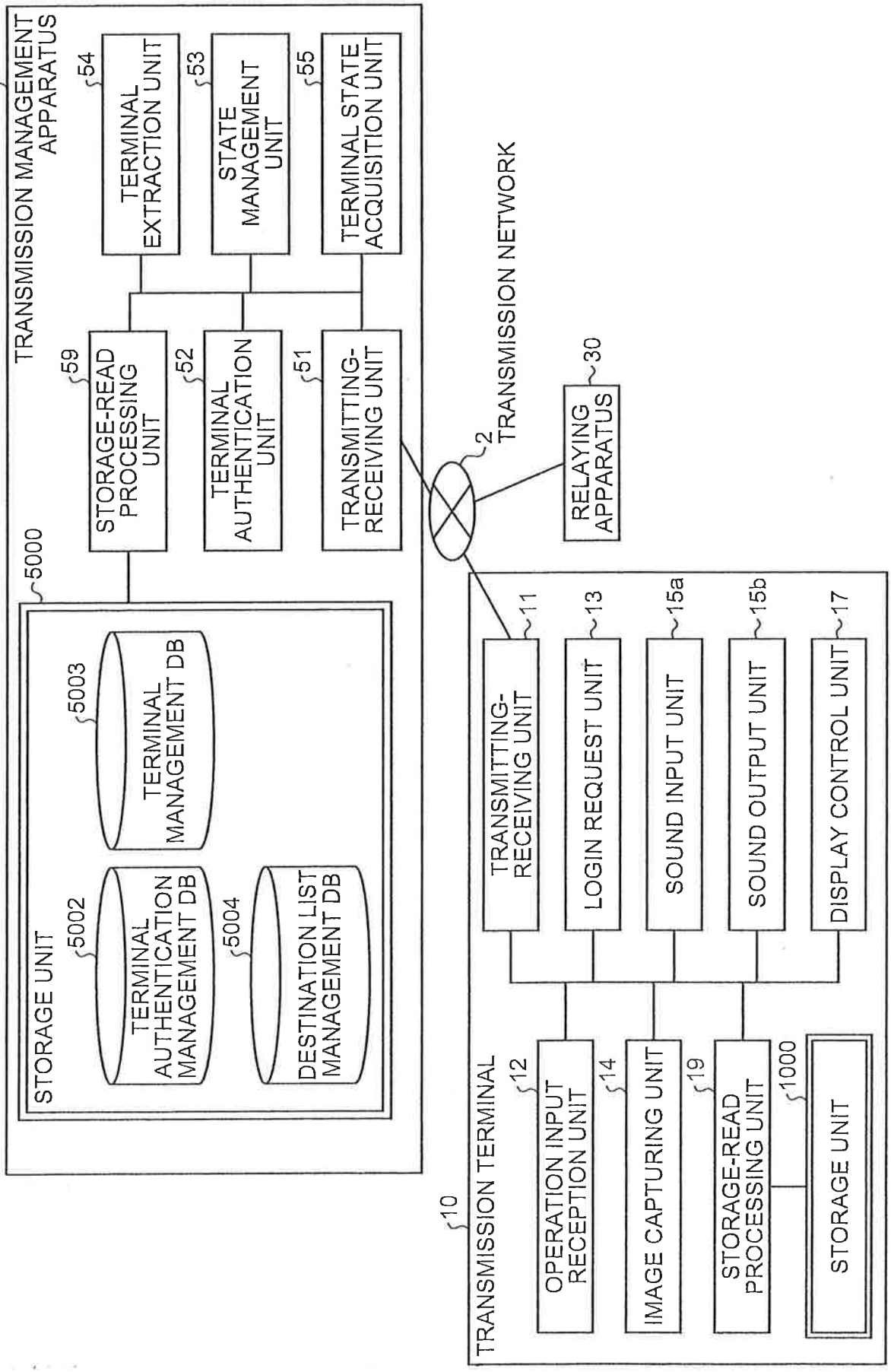
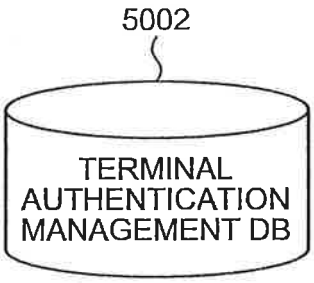
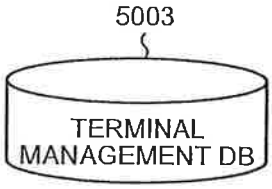

50
TRANSMISSION MANAGEMENT APPARATUS
54
TERMINAL EXTRACTION UNIT
53
STATE MANAGEMENT UNIT
55
TERMINAL STATE ACQUISITION UNIT
59
STORAGE-READ PROCESSING UNIT
52
TERMINAL AUTHENTICATION UNIT
51
TRANSMITTING-RECEIVING UNIT
5000
STORAGE UNIT
5003
TERMINAL MANAGEMENT DB
5002
TERMINAL AUTHENTICATION MANAGEMENT DB
5004
DESTINATION LIST MANAGEMENT DB
2
TRANSMISSION NETWORK
30
RELAYING APPARATUS
10
TRANSMISSION TERMINAL
11
TRANSMITTING-RECEIVING UNIT
13
LOGIN REQUEST UNIT
15a
SOUND INPUT UNIT
15b
SOUND OUTPUT UNIT
17
DISPLAY CONTROL UNIT
12
OPERATION INPUT RECEPTION UNIT
14
IMAGE CAPTURING UNIT
19
STORAGE-READ PROCESSING UNIT
1000
STORAGE UNIT

FIG.8



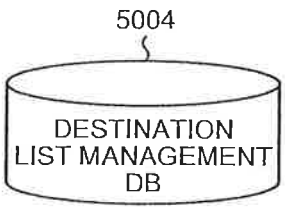
TERMINAL ID	PASSWORD
01aa	aaaa
01ab	abab
01ba	baba
...	...

FIG.9



TERMINAL ID	TERMINAL NAME	OPERATION STATE	RECEIVING DATE	IP ADDRESS OF TERMINAL
01aa	AA TERMINAL, TOKYO BUSINESS OFFICE, JAPAN	ONLINE (TRANSMISSION IS ENABLED)	2009.11.10. 13:40	1.2.1.3
01ab	AB TERMINAL, TOKYO BUSINESS OFFICE, JAPAN	OFFLINE	2009.11.09. 12:00	1.2.1.4
...	...	...	...	...
01ba	BA TERMINAL, OSAKA BUSINESS OFFICE ,JAPAN	ONLINE (TRANSMISSION IS ENABLED)	2009.11.10. 13:45	1.2.2.3
01bb	BB TERMINAL, OSAKA BUSINESS OFFICE ,JAPAN	ONLINE (TRANSMISSION IS ENABLED)	2009.11.10. 13:50	1.2.2.4
...	...	...	...	...
01ca	CA TERMINAL, NEW YORK BUSINESS OFFICE, USA	OFFLINE	2009.11.10. 12:45	1.3.1.3
01cb	CB TERMINAL, NEW YORK BUSINESS OFFICE, USA	ONLINE (IN TRANSMISSION)	2009.11.10. 13:55	1.3.1.4
...	...	...	...	...
01da	DA TERMINAL, WASHINGTON BUSINESS OFFICE, USA	OFFLINE	2009.11.08. 12:45	1.3.2.3
01db	DB TERMINAL, WASHINGTON BUSINESS OFFICE, USA	ONLINE (IN TRANSMISSION)	2009.11.10. 12:45	1.3.2.4
...	...	...	...	...

FIG.10



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

FIG.11

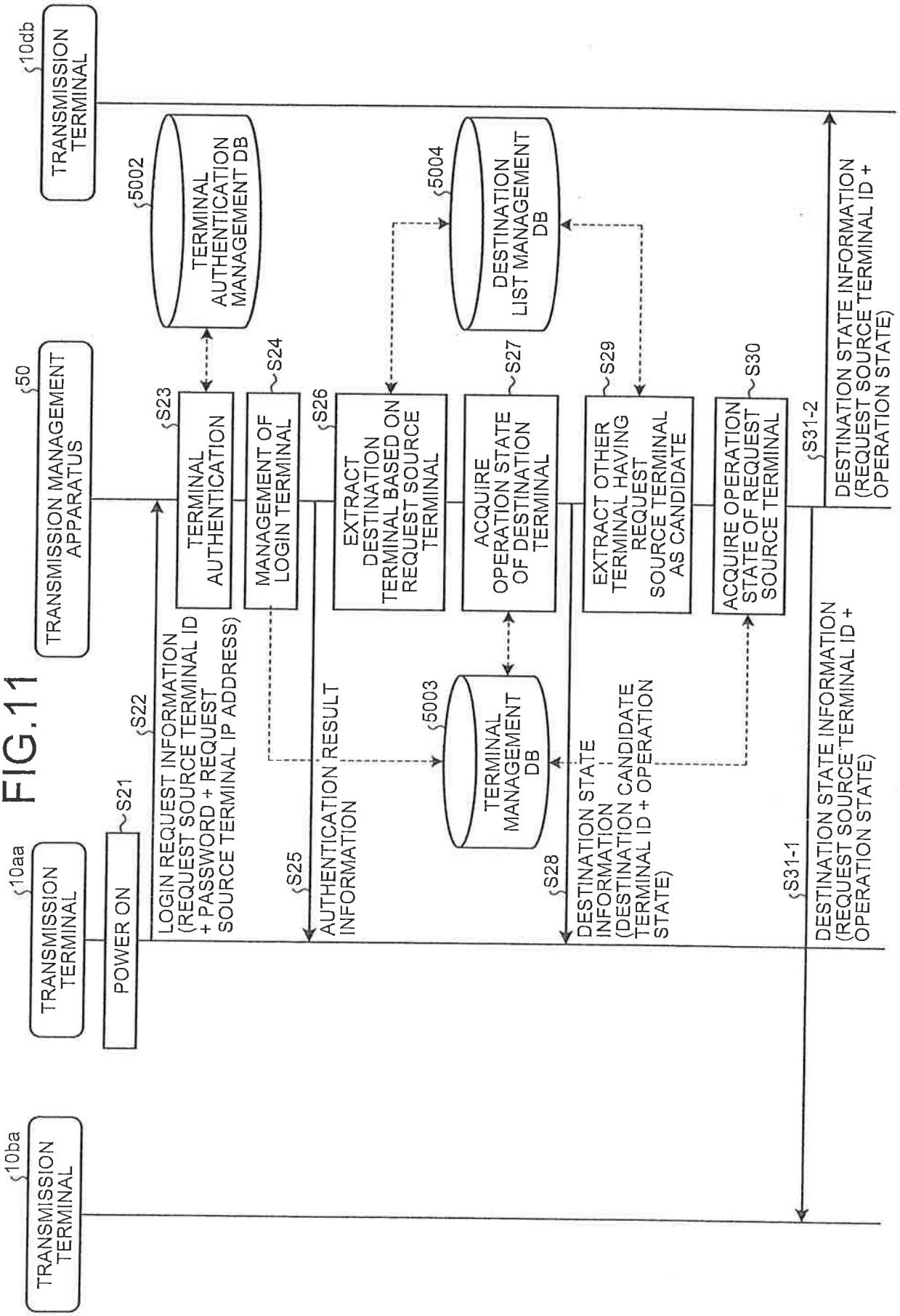

10ba
TRANSMISSION TERMINAL
10aa
TRANSMISSION TERMINAL
10db
TRANSMISSION TERMINAL
50
TRANSMISSION MANAGEMENT APPARATUS
5002
TERMINAL AUTHENTICATION MANAGEMENT DB
5003
TERMINAL MANAGEMENT DB
5004
DESTINATION LIST MANAGEMENT DB
S21
POWER ON
S22
LOGIN REQUEST INFORMATION (REQUEST SOURCE TERMINAL ID + PASSWORD + REQUEST SOURCE TERMINAL IP ADDRESS)
S23
TERMINAL AUTHENTICATION
S24
MANAGEMENT OF LOGIN TERMINAL
S25
AUTHENTICATION RESULT INFORMATION
S26
EXTRACT DESTINATION TERMINAL BASED ON REQUEST SOURCE TERMINAL
S27
ACQUIRE OPERATION STATE OF DESTINATION TERMINAL
S28
DESTINATION STATE INFORMATION (DESTINATION CANDIDATE TERMINAL ID + OPERATION STATE)
S29
EXTRACT OTHER TERMINAL HAVING REQUEST SOURCE TERMINAL AS CANDIDATE
S30
ACQUIRE OPERATION STATE OF REQUEST SOURCE TERMINAL
S31-1
DESTINATION STATE INFORMATION (REQUEST SOURCE TERMINAL ID + OPERATION STATE)
S31-2
DESTINATION STATE INFORMATION (REQUEST SOURCE TERMINAL ID + OPERATION STATE)

FIG.12

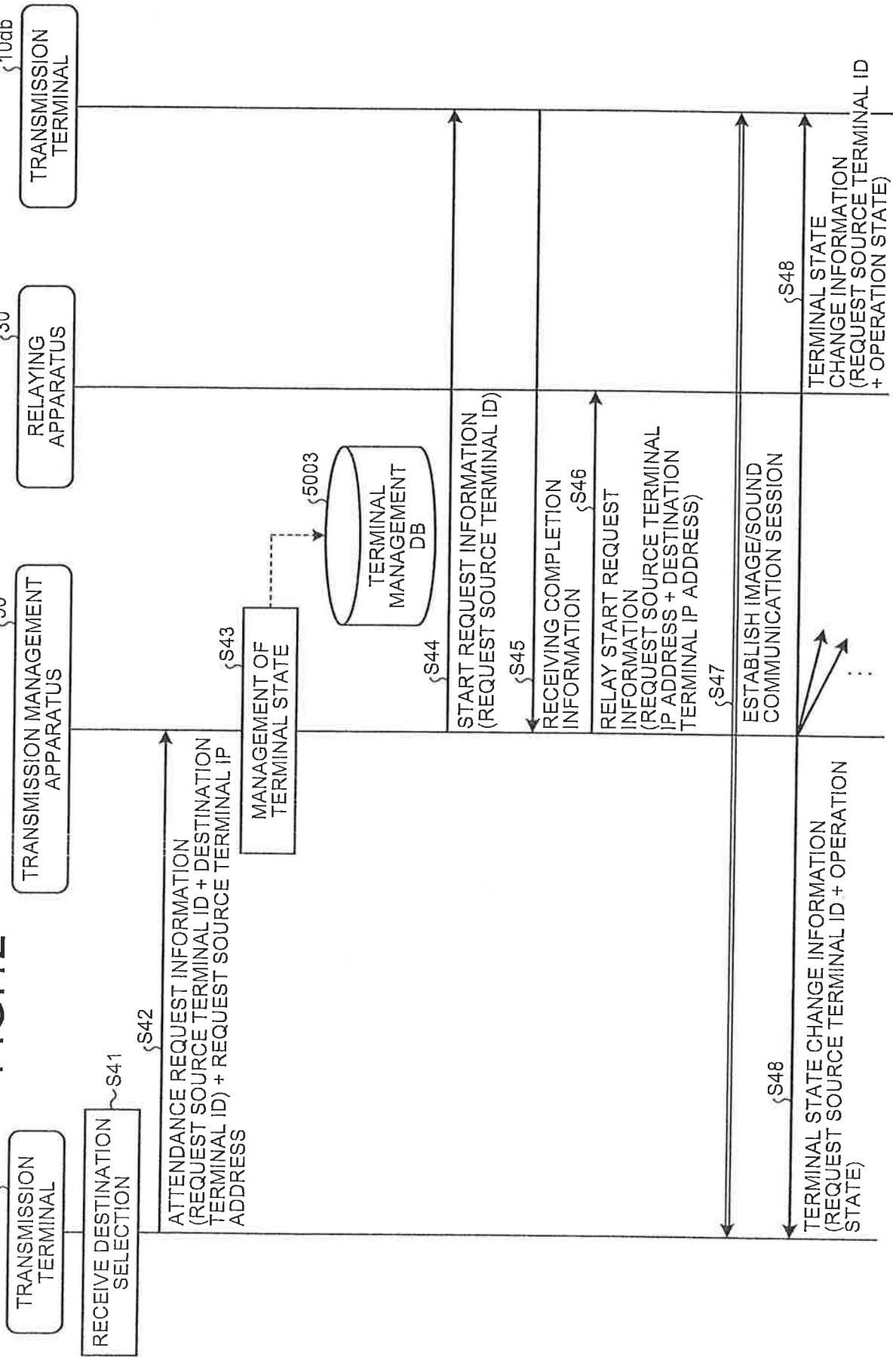

10aa
TRANSMISSION TERMINAL
RECEIVE DESTINATION SELECTION
S41
S42
ATTENDANCE REQUEST INFORMATION (REQUEST SOURCE TERMINAL ID + DESTINATION TERMINAL ID) + REQUEST SOURCE TERMINAL IP ADDRESS
50
TRANSMISSION MANAGEMENT APPARATUS
S43
MANAGEMENT OF TERMINAL STATE
5003
TERMINAL MANAGEMENT DB
30
RELAYING APPARATUS
10db
TRANSMISSION TERMINAL
S44
START REQUEST INFORMATION (REQUEST SOURCE TERMINAL ID)
S45
RECEIVING COMPLETION INFORMATION
S46
RELAY START REQUEST INFORMATION (REQUEST SOURCE TERMINAL IP ADDRESS + DESTINATION TERMINAL IP ADDRESS)
S47
ESTABLISH IMAGE/SOUND COMMUNICATION SESSION
S48
TERMINAL STATE CHANGE INFORMATION (REQUEST SOURCE TERMINAL ID + OPERATION STATE)
S48
TERMINAL STATE CHANGE INFORMATION (REQUEST SOURCE TERMINAL ID + OPERATION STATE)
...

FIG.13

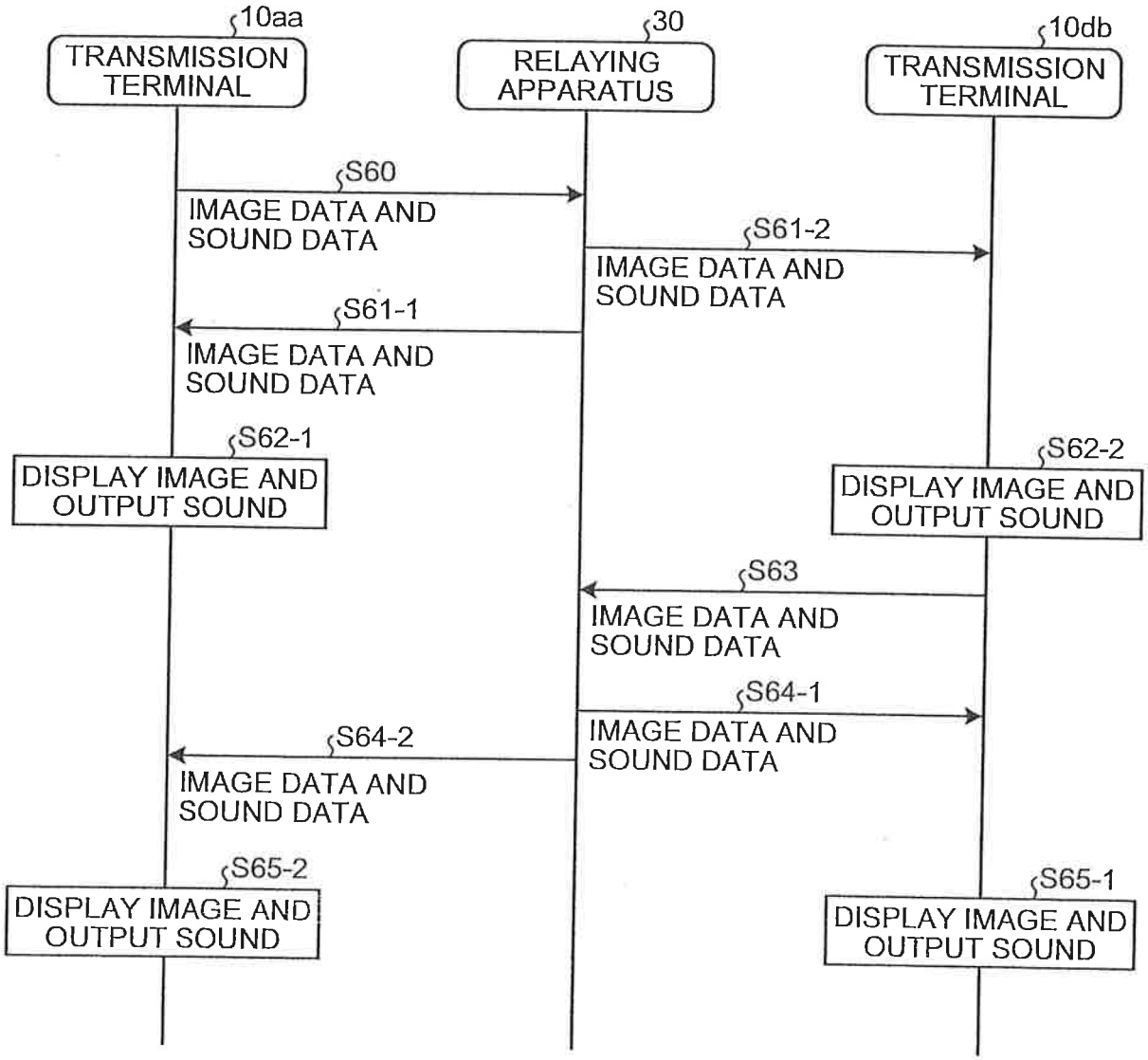

10aa
TRANSMISSION TERMINAL
30
RELAYING APPARATUS
10db
TRANSMISSION TERMINAL
S60
IMAGE DATA AND SOUND DATA
S61-2
IMAGE DATA AND SOUND DATA
S61-1
IMAGE DATA AND SOUND DATA
S62-1
DISPLAY IMAGE AND OUTPUT SOUND
S62-2
DISPLAY IMAGE AND OUTPUT SOUND
S63
IMAGE DATA AND SOUND DATA
S64-1
IMAGE DATA AND SOUND DATA
S64-2
IMAGE DATA AND SOUND DATA
S65-2
DISPLAY IMAGE AND OUTPUT SOUND
S65-1
DISPLAY IMAGE AND OUTPUT SOUND

FIG.14

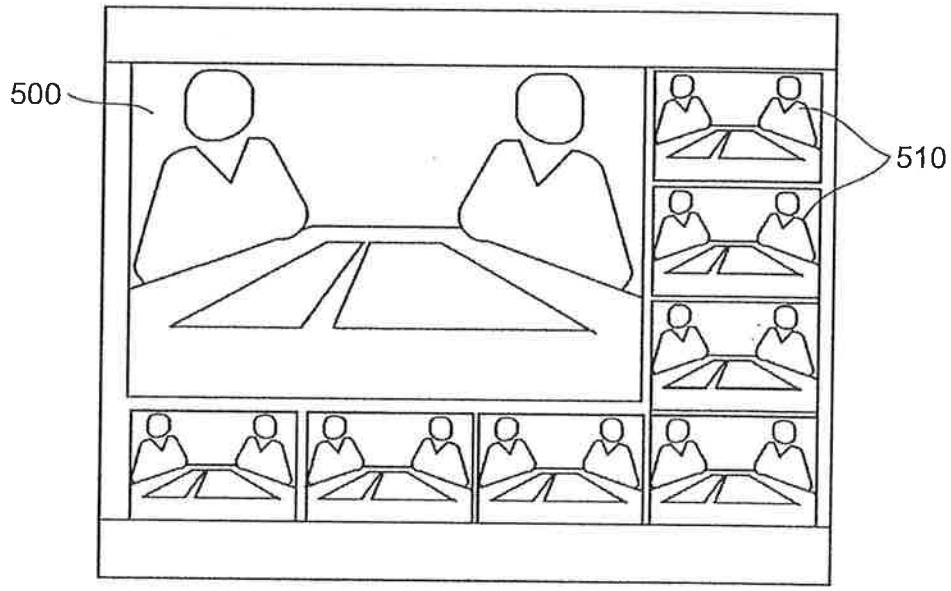

500
510

FIG.15

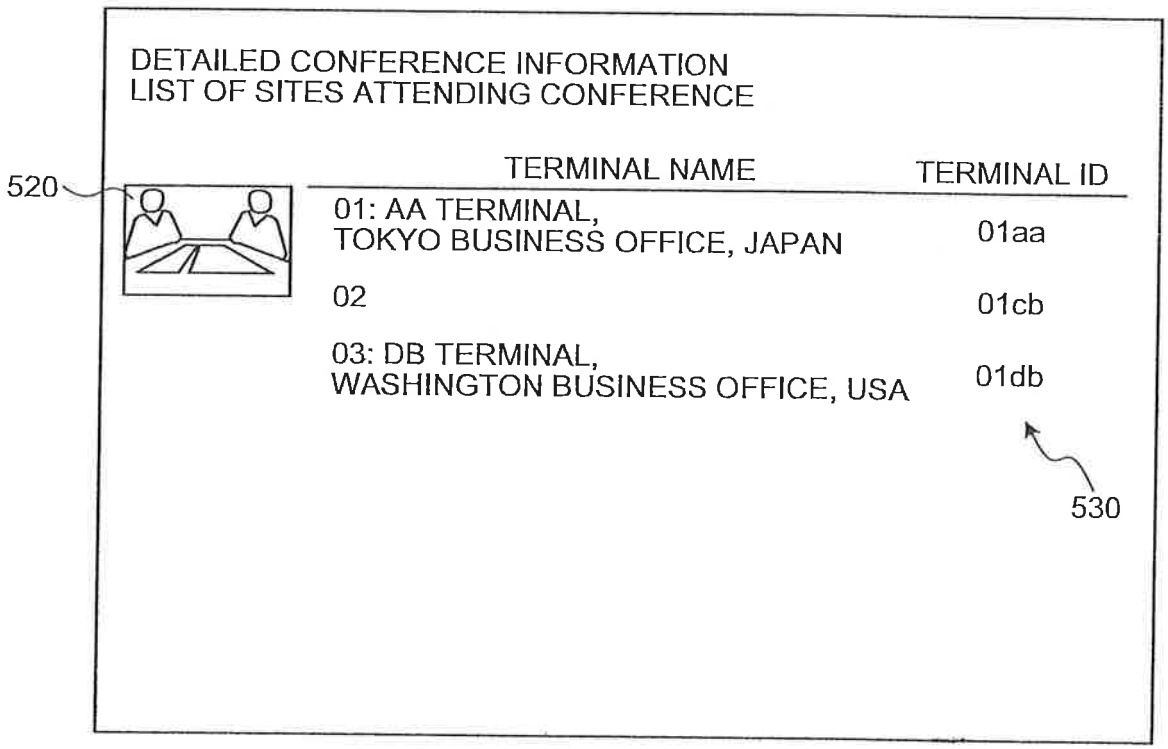
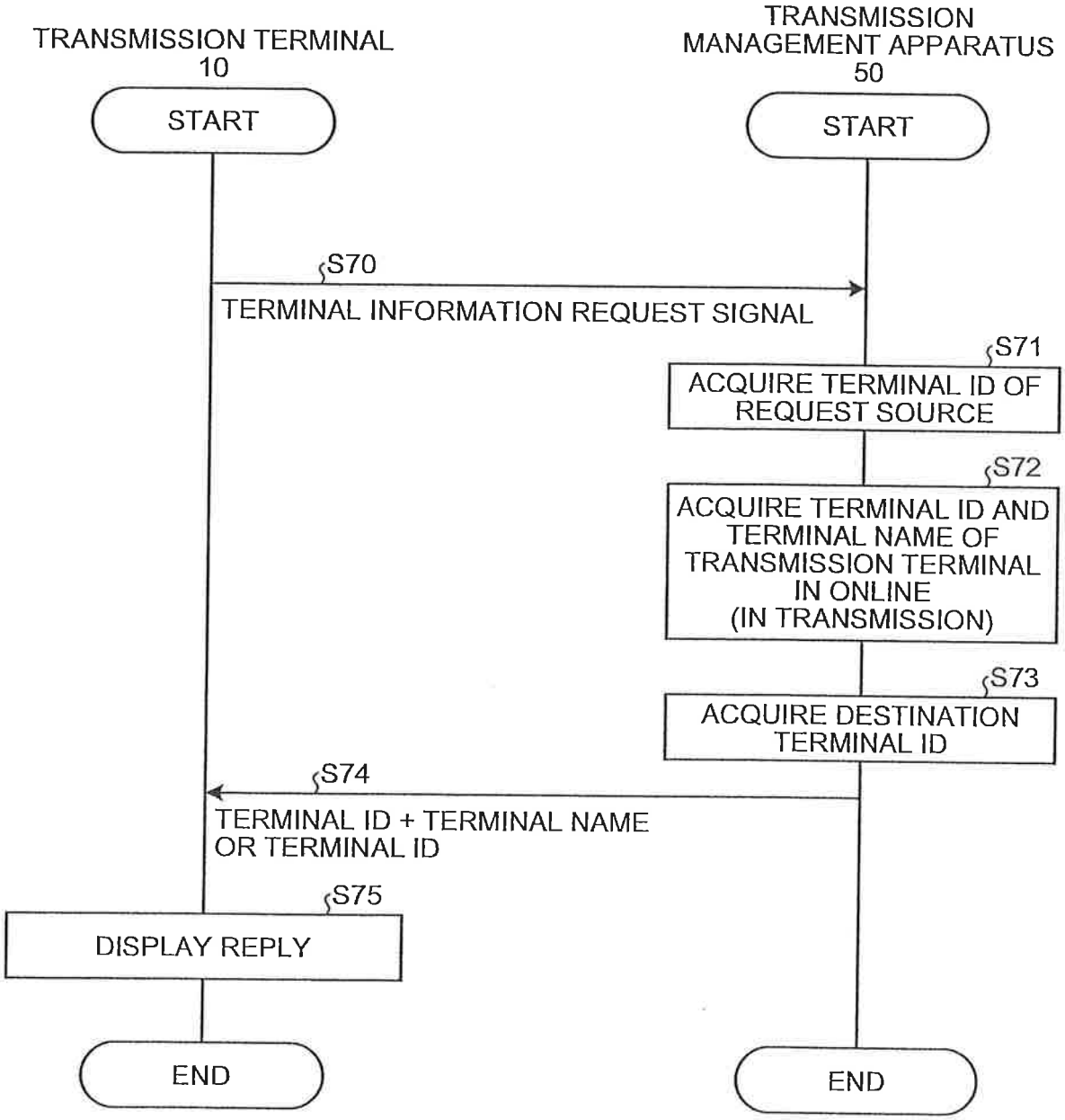

DETAILED CONFERENCE INFORMATION
LIST OF SITES ATTENDING CONFERENCE
520
TERMINAL NAME
TERMINAL ID
01: AA TERMINAL,
TOKYO BUSINESS OFFICE, JAPAN
01aa
02
01cb
03: DB TERMINAL,
WASHINGTON BUSINESS OFFICE, USA
01db
530

FIG.16


TRANSMISSION TERMINAL
10
TRANSMISSION
MANAGEMENT APPARATUS
50
START
START
S70
TERMINAL INFORMATION REQUEST SIGNAL
S71
ACQUIRE TERMINAL ID OF
REQUEST SOURCE
S72
ACQUIRE TERMINAL ID AND
TERMINAL NAME OF
TRANSMISSION TERMINAL
IN ONLINE
(IN TRANSMISSION)
S73
ACQUIRE DESTINATION
TERMINAL ID
S74
TERMINAL ID + TERMINAL NAME
OR TERMINAL ID
S75
DISPLAY REPLY
END
END