

FIG.1

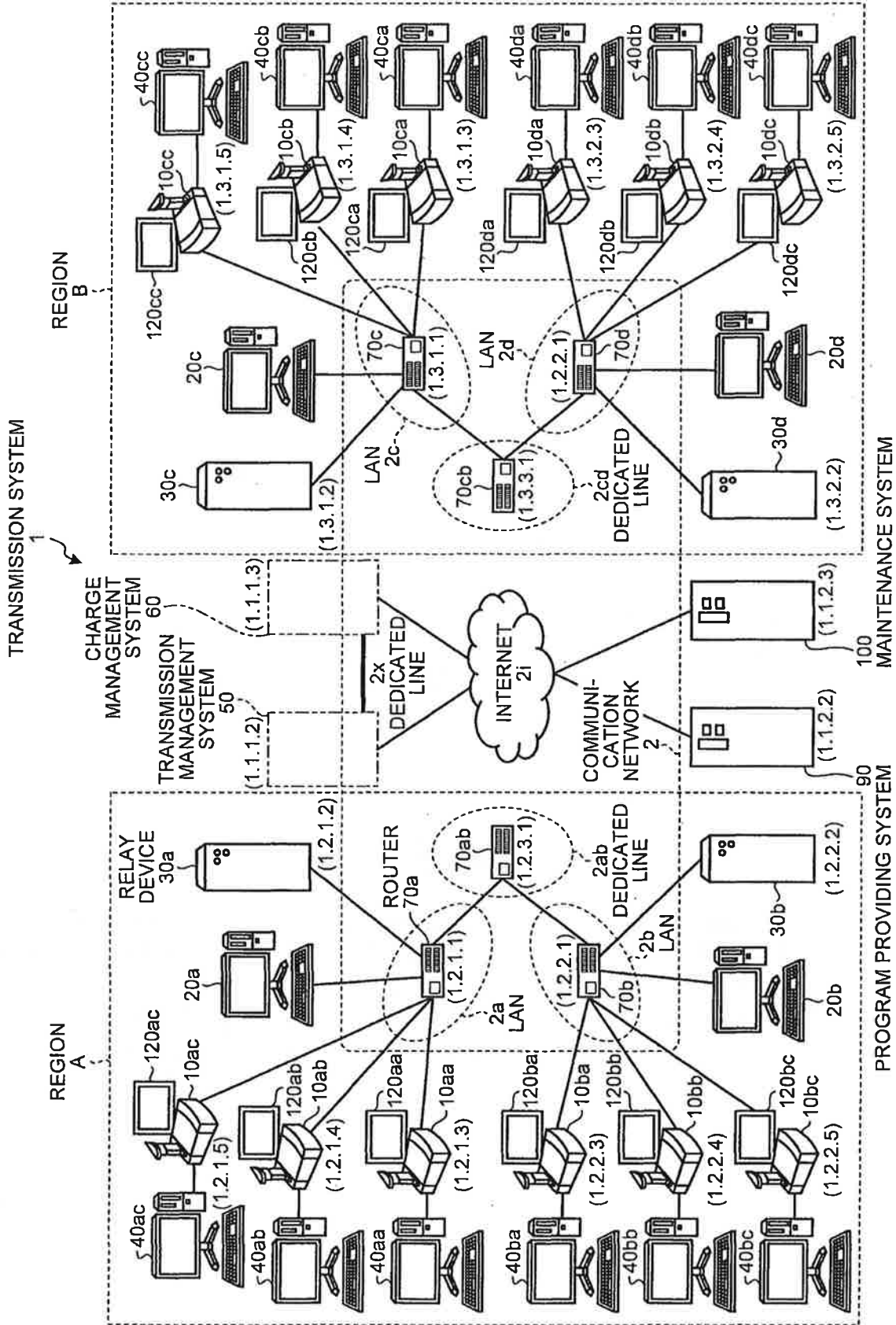


FIG.2

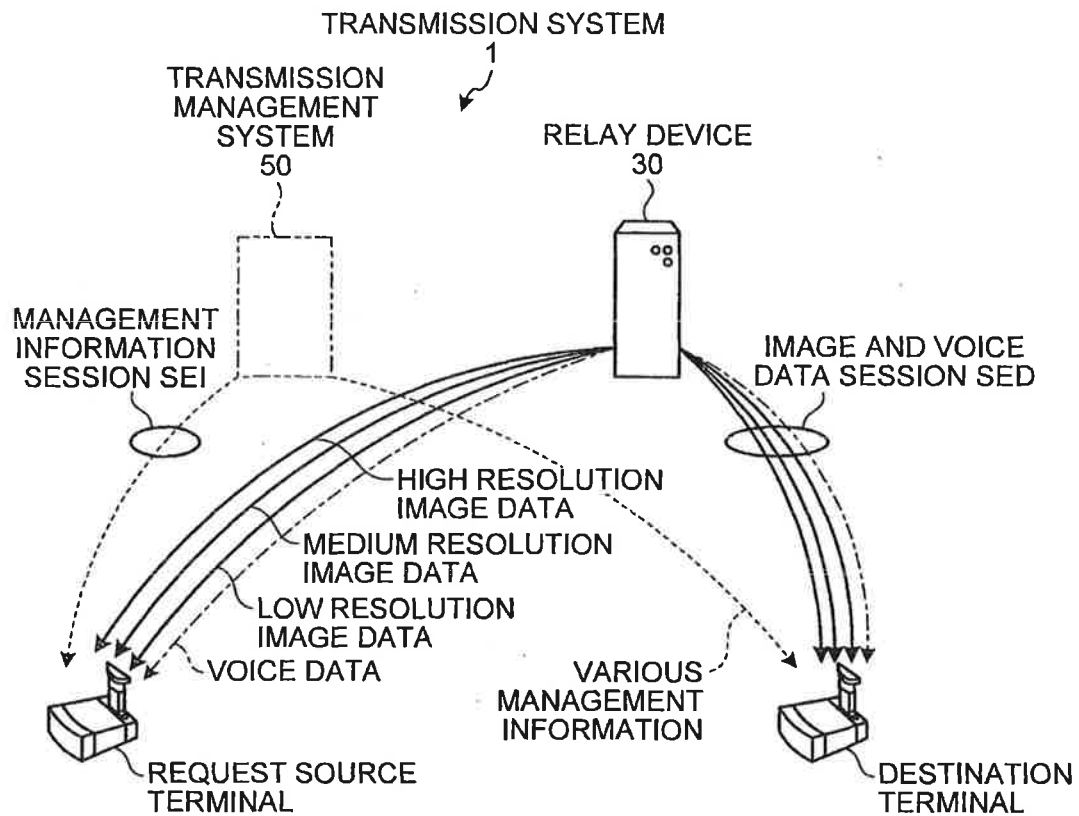


FIG.3

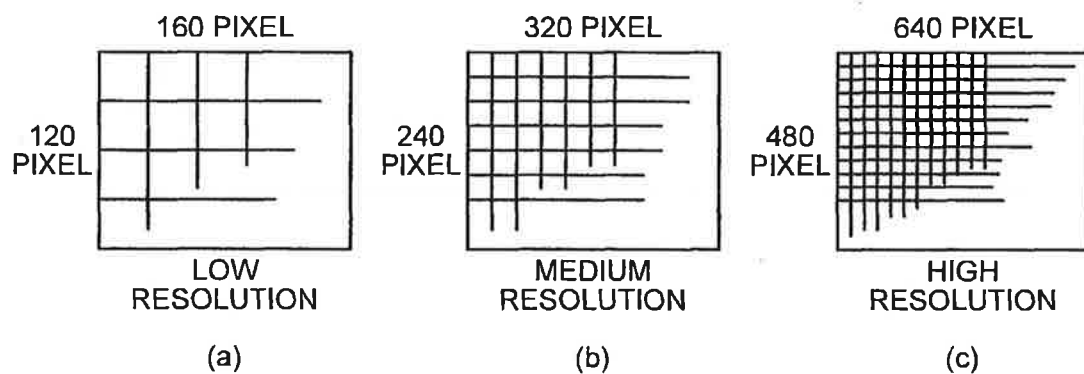


FIG.4

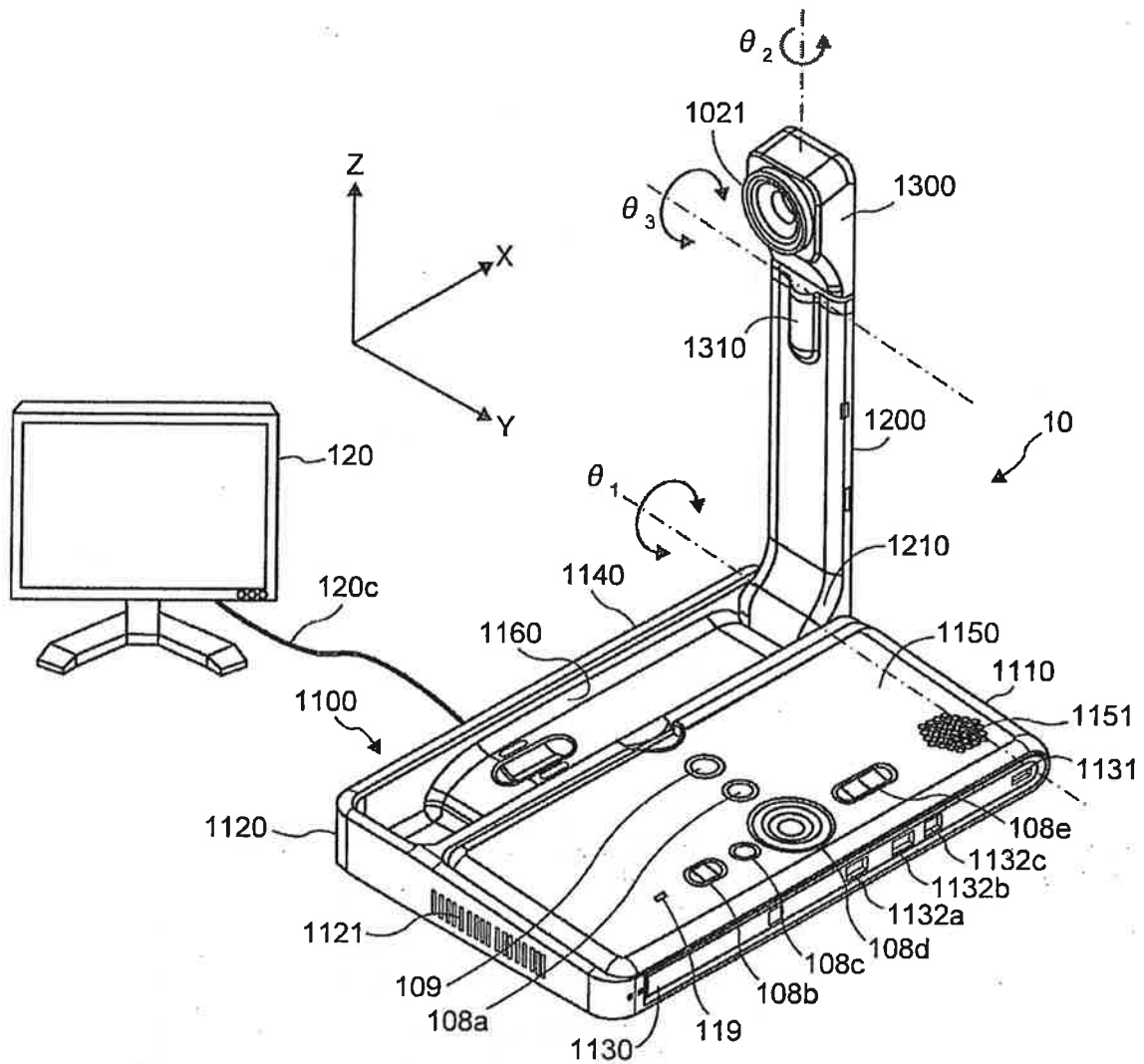
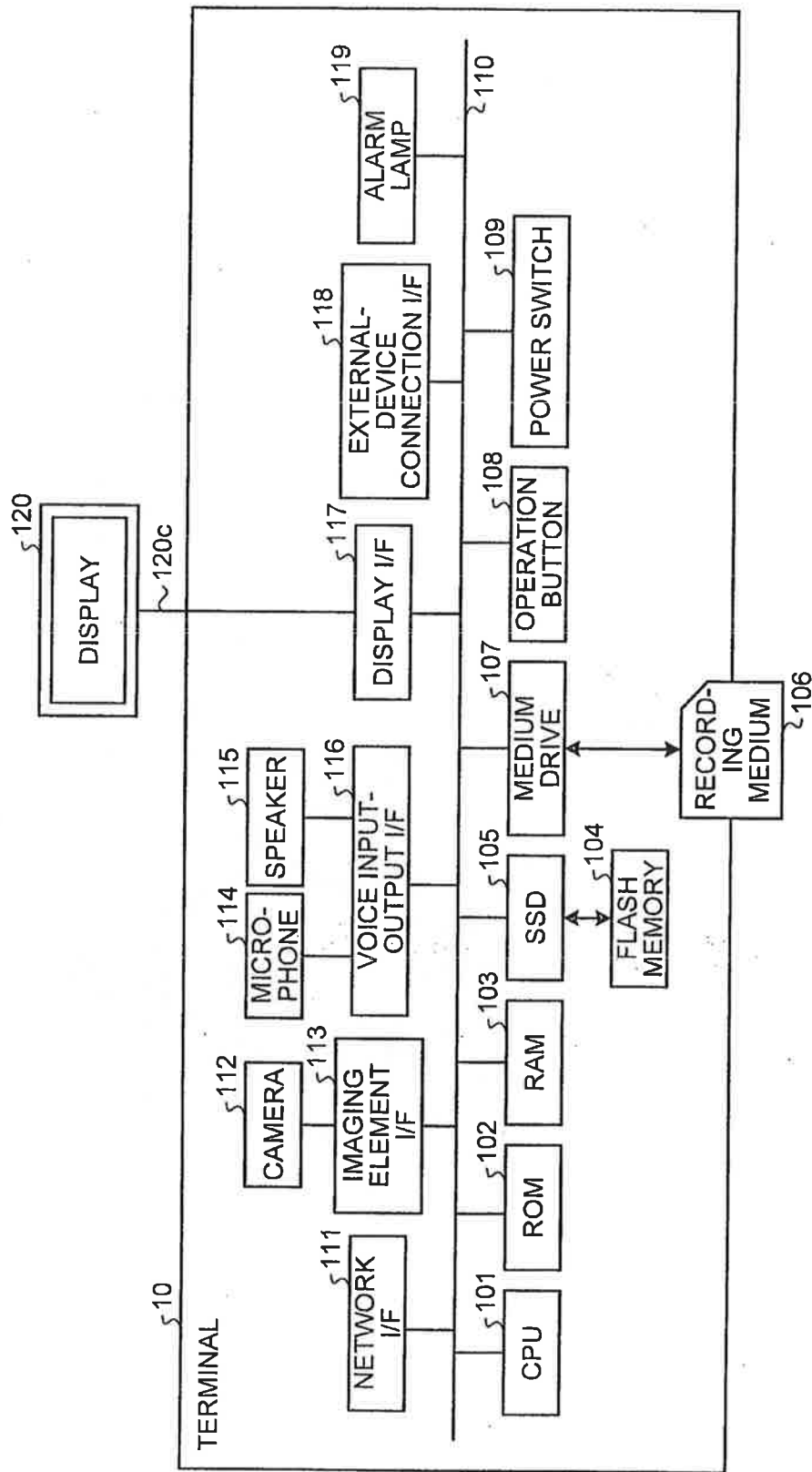


FIG.5



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FIG.6

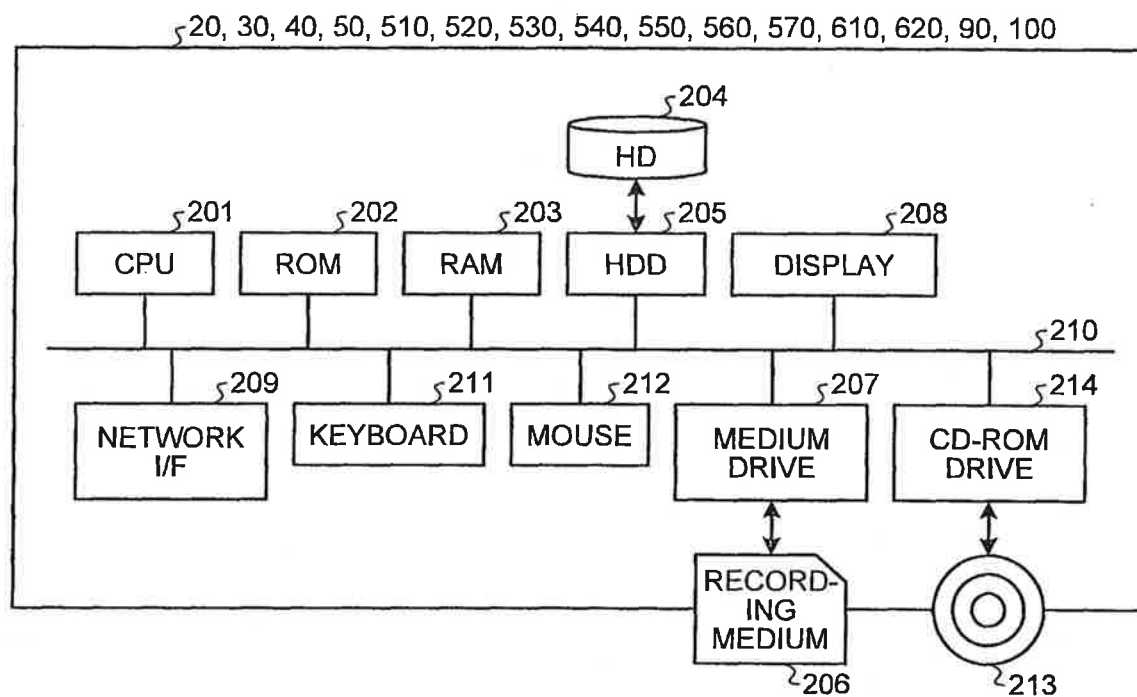


FIG. 7

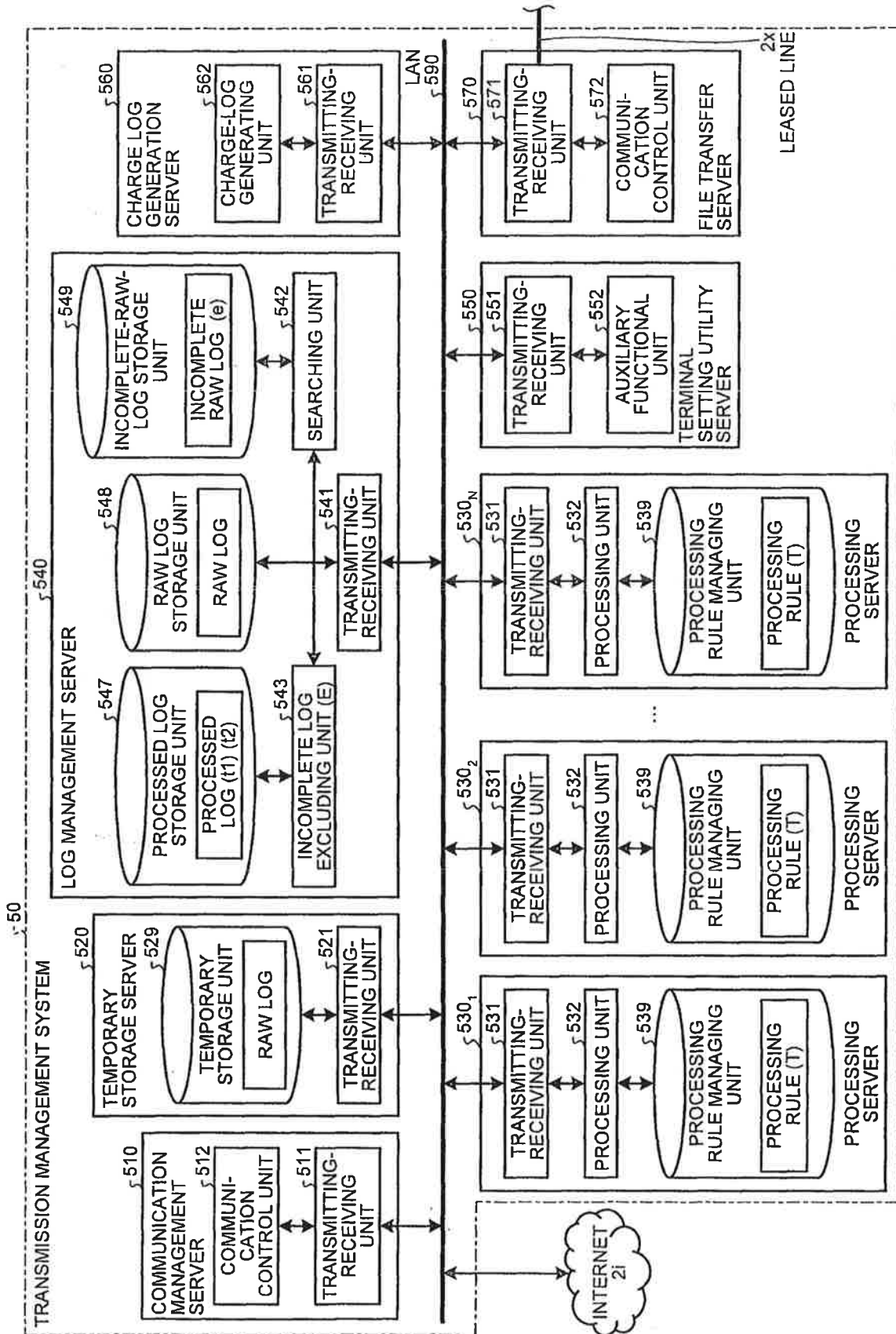


FIG.8

PROCESSING START CONDITION (COMMUNICATION STATUS)	PROCESSED TARGET TABLE	PROCESSED TARGET RECORD	PROCESSING PROCESS CONTENT
COMMUNICATION STATUS="invite"	CONFERENCE LOG MANAGEMENT TABLE (t2)	RECORD WITH SAME CONFERENCE ID	CONFERENCE ID=CONFERENCE ID ORGANIZER TERMINAL ID= TRANSMISSION SOURCE TERMINAL ID
COMMUNICATION STATUS="start"	CONFERENCE LOG MANAGEMENT TABLE (t2)	RECORD WITH SAME CONFERENCE ID	CONFERENCE ID=CONFERENCE ID SESSION DATE/ TIME=COMMUNICATION DATE/TIME CONFERENCE DURATION=END DATE/ TIME/COMMUNICATION DATE/TIME
COMMUNICATION STATUS="end"	CONFERENCE LOG MANAGEMENT TABLE (t2)	RECORD WITH SAME CONFERENCE ID	CONFERENCE ID=CONFERENCE ID SESSION DATE/TIME= COMMUNICATION DATE/TIME CONFERENCE DURATION= COMMUNICATION DATE/TIME/START DATE/TIME
COMMUNICATION STATUS="join"	PARTICIPANT LOG MANAGEMENT TABLE (t1)	RECORD WITH SAME CONFERENCE SESSION ID	TERMINAL ID=TRANSMISSION SOURCE TERMINAL ID CONFERENCE ID=CONFERENCE ID CONFERENCE SESSION ID= CONFERENCE SESSION ID PARTICIPATION DATE/TIME= COMMUNICATION DATE/TIME PARTICIPATION DURATION= (LEAVE DATE/TIME-COMMUNICATION DATE/TIME) LEAVE STATUS="IN CONFERENCE"
COMMUNICATION STATUS="leave"	PARTICIPANT LOG MANAGEMENT TABLE (t1)	RECORD WITH SAME CONFERENCE SESSION ID	TERMINAL ID=TRANSMISSION SOURCE TERMINAL ID CONFERENCE ID=CONFERENCE ID CONFERENCE SESSION ID= CONFERENCE SESSION ID PARTICIPATION DATE/ TIME=COMMUNICATION DATE/TIME PARTICIPATION DURATION = (COMMUNICATION DATE/TIME/ PARTICIPATION DATE/TIME) LEAVE STATUS="NORMAL"
COMMUNICATION STATUS="offline" CONFERENCE ID!= null CONFERENCE SESSION ID!=null	PARTICIPANT LOG MANAGEMENT TABLE (t1)	RECORD WITH SAME CONFERENCE SESSION ID	TERMINAL ID=TRANSMISSION SOURCE TERMINAL ID CONFERENCE ID=CONFERENCE ID CONFERENCE SESSION ID= CONFERENCE SESSION ID PARTICIPATION DATE/ TIME=COMMUNICATION DATE/TIME PARTICIPATION DURATION= (COMMUNICATION DATE/TIME/ PARTICIPATION DATE/TIME) LEAVE STATUS= "FORCED TERMINATION"
...	...	...	...

*UNDERLINED INDICATES ITEM VALUES OF RAW LOG INFORMATION

FIG.9

COMMUNI- CATION STATUS	REQUEST SOURCE TERMINAL ID	DESTINA- TION TERMINAL ID	SESSION ID	CONFER- ENCE ID	CONFER- ENCE SESSION ID	COMMUNICATION DATE/TIME
online	110001	-	se001	-	-	2010-09-01 09:30:00
online	110002	-	se002	-	-	2010-09-01 09:30:00
online	110003	-	se003	-	-	2010-09-01 09:30:00
invite	110001	110002	-	conf001	-	2010-09-01 09:59:50
accept	110002	110001	-	conf001	-	2010-09-01 09:59:59
start	110001	-	-	conf001	-	2010-09-01 10:00:00
join	110001	-	-	conf001	cse001	2010-09-01 10:00:00
join	110002	-	-	conf001	cse001	2010-09-01 10:00:00
call	110003	110001	-	conf001	-	2010-09-01 10:09:50
accept	110001	110003	-	conf001	-	2010-09-01 10:09:59
join	110003	-	-	conf001	cse003	2010-09-01 10:10:00
leave	110002	-	-	conf001	cse002	2010-09-01 10:40:00
offline	110003	-	se003	conf001	cse003	2010-09-01 11:30:25
leave	110001	-	-	conf001	cse001	2010-09-01 11:30:25
end	110001	-	-	conf001	-	2010-09-01 11:30:25
offline	110001	-	se001	-	-	2010-09-01 11:35:00
offline	110002	-	se002	-	-	2010-09-01 11:40:00
...	...	...	...	...	...	...
online	110005	-	se005	-	-	2010-09-12 14:20:00
online	110006	-	se006	-	-	2010-09-12 14:21:00
invite	110005	110006	-	conf002	-	2010-09-12 14:29:50
accept	110006	110005	-	conf002	-	2010-09-12 14:29:55
start	110005	-	-	conf002	-	2010-09-12 14:30:00
join	110005	-	-	conf002	cse005	2010-09-12 14:30:00
...	...	...	...	...	...	...

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FIG.10A

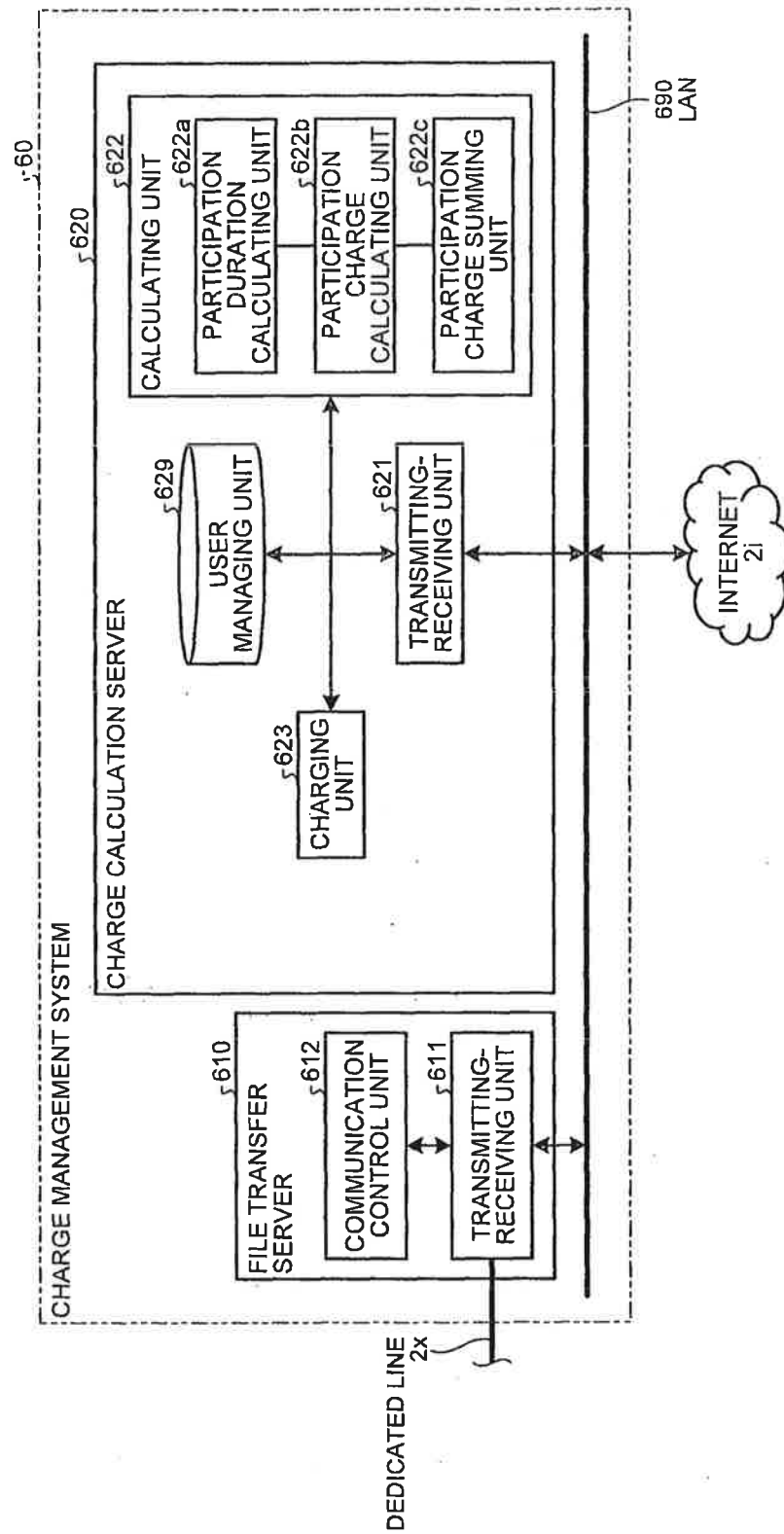
LOG ID	TERMINAL ID	CONFERENCE ID	CONFERENCE SESSION ID	PARTICIPATION DATE/TIME	LEAVE DATE/TIME	PARTICIPATION DURATION	LEAVE STATUS
001	110001	conf001	cse001	2010-09-01 10:00:00	2010-09-01 11:30:25	01:30:25	LEFT
002	110002	conf001	cse002	2010-09-01 10:00:00	2010-09-01 10:40:00	00:40:00	LEFT
003	110003	conf001	cse003	2010-09-01 10:00:00	2010-09-01 11:30:25	01:20:25	FORCED TERMINATION
004	110005	conf002	cse005	2010-09-12 14:30:00	2010-09-12 15:35:25	01:05:25	LEFT
005	110001	conf002	cse005	2010-09-12 14:30:00	2010-09-12 15:40:10	01:10:10	LEFT
006	110002	conf002	cse005	2010-09-12 14:33:35	-	01:06:35	IN CONFERENCE
...	...	...	...	...	...	...	...

FIG.10B

CONFERENCE ID	ORGANIZER TERMINAL ID	CONFERENCE START DATE/TIME	CONFERENCE END DATE/TIME	CONFERENCE DURATION
conf001	110001	2010-09-01 10:00:00	2010-09-01 11:30:25	01:30:25
conf002	110005	2010-09-12 14:30:00	-	-
...	...	...	...	...

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FIG.11



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FIG.12

CONTRACT NUMBER	USER ID	USER NAME	USER'S ADDRESS	USER'S PHONE NUMBER	USER'S E-MAIL ADDRESS	TERMINAL ID
20101005-0001	a123	AAA	TOKYO...	...	...	11001
						11002
						11003
						...
20110105-0001	b234	BBB	OSAKA...	...	...	11011
						11012
						11013
						...
20110110-0001	c345	CCC	State of New York...	...	...	11021
						11022
						11023
						...
20110110-0002	d456	DDD	Washington, D.C. ...	...	...	11031
						11032
						11033
						...
...	...	...	...	...	...	...

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FIG.13

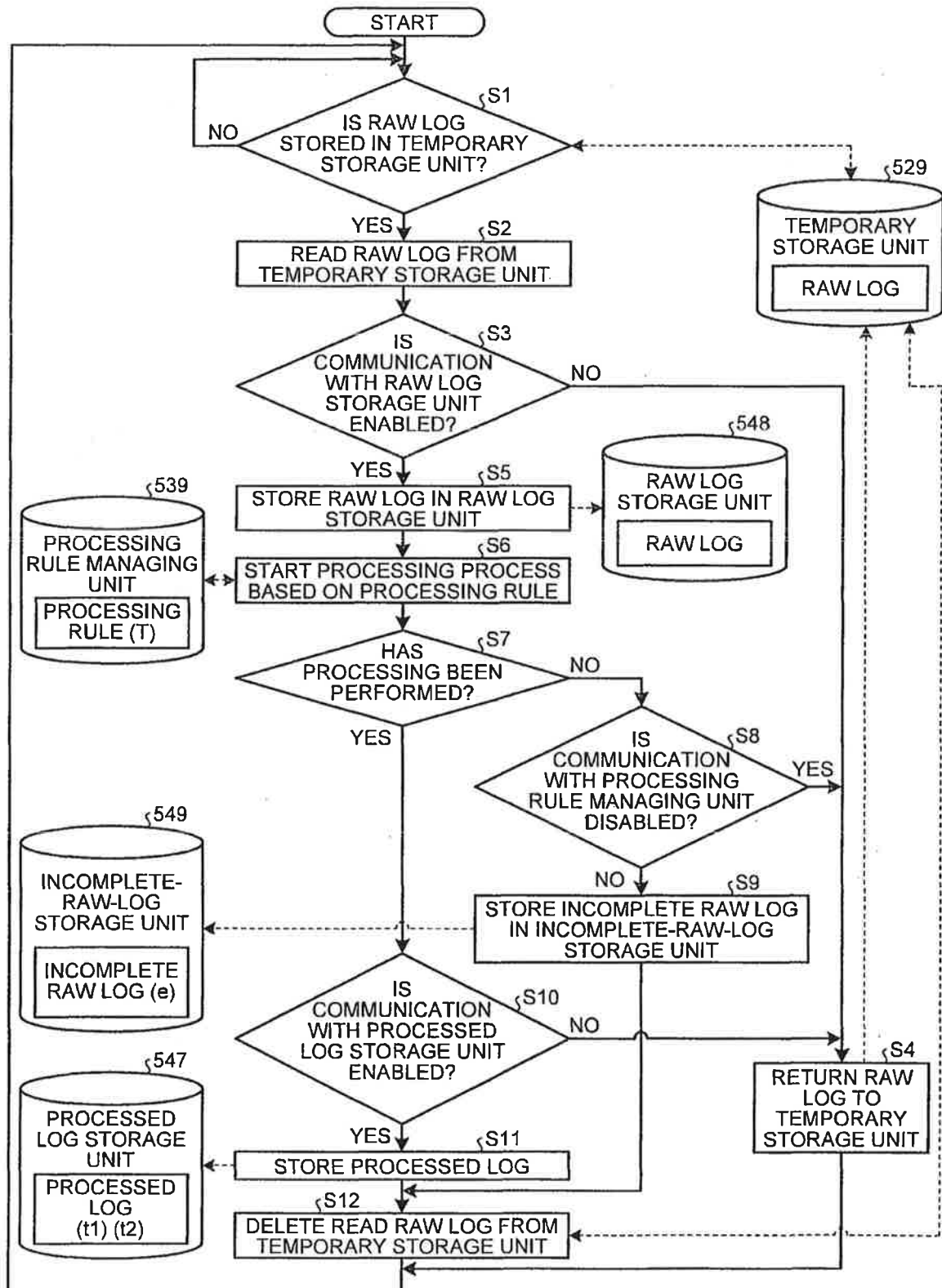


FIG.14

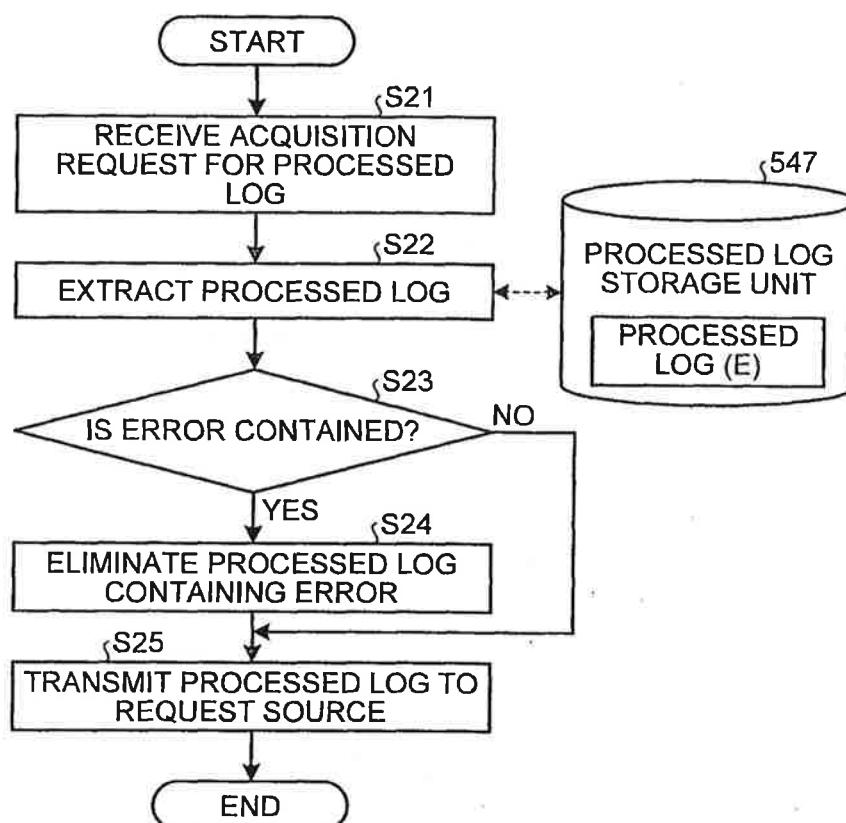


FIG.15A

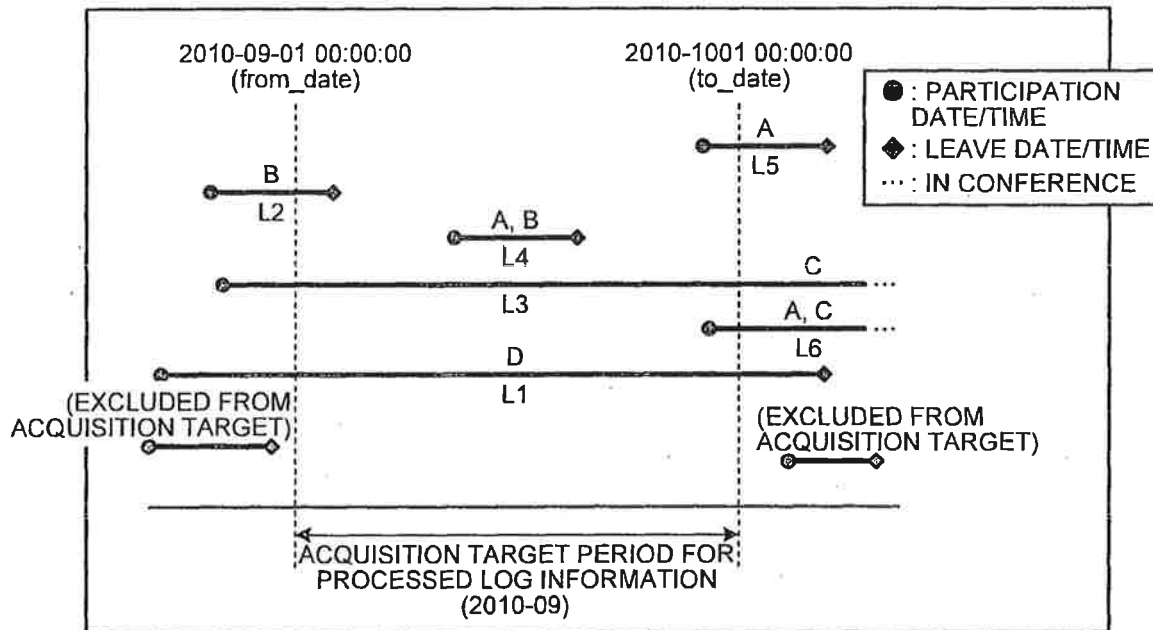


FIG.15B

SEARCH CONDITION A: (TERMINAL ID=TERMINAL ID OF ACQUISITION REQUEST SOURCE TERMINAL) && (from_date≤PARTICIPATION DATE/TIME) && (PARTICIPATION DATE/TIME<to_date)

SEARCH CONDITION B: (TERMINAL ID=TERMINAL ID OF ACQUISITION REQUEST SOURCE TERMINAL) && (from_date≤LEAVE DATE/TIME) && (LEAVE DATE/TIME<to_date)

SEARCH CONDITION C: (TERMINAL ID=TERMINAL ID OF ACQUISITION REQUEST SOURCE TERMINAL) && (LEAVE STATUS="IN CONFERENCE") && (PARTICIPATION DATE/TIME<to_date)

SEARCH CONDITION D: (TERMINAL ID=TERMINAL ID OF ACQUISITION REQUEST SOURCE TERMINAL) && (PARTICIPATION DURATION≤to_date-from_date) && (PARTICIPATION DATE/TIME<from_date) && (LEAVE DATE/TIME<to_date)

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FIG.16

TERMINAL SETTING UTILITY SCREEN

1001

1000

1002

1003

1004

TERMINAL ID: 110001

[HELP](#) [LOG OUT](#)

MAIN MENU>CONFERENCE LOG

CONFERENCE LOG (2010/09) ~ 1002

2010/09

PARTICI- PATION DATE/TIME	LEAVE DATE/TIME	PARTICI- PATION DURATION	ORGA- NIZER TERMINAL ID	CONFER- ENCE START DATE/TIME	CONFER- ENCE END DATE/TIME	CONFER- ENCE DURATION	LEAVE STATUS
2010-09-01 10:00:00	2010-09-01 11:30:25	01:30:25	110001	2010-09-01 10:00:00	2010-09-01 11:30:25	01:30:25	LEAVE
2010-09-02 15:10:00	2010-09-02 15:30:40	00:20:40	110003	2010-09-02 14:50:00	2010-09-02 16:50:00	02:00:00	LEAVE
2010-09-05 13:00:00	2010-09-05 14:00:00	01:00:00	110002	2010-09-05 13:00:00	2010-09-05 14:30:00	01:30:00	FORCED TERMI- NATION
2010-09-12 18:01:10	2010-09-12 20:30:45	02:29:35	110005	2010-09-12 18:00:00	2010-09-12 20:31:00	02:31:00	LEAVE

FIG.17

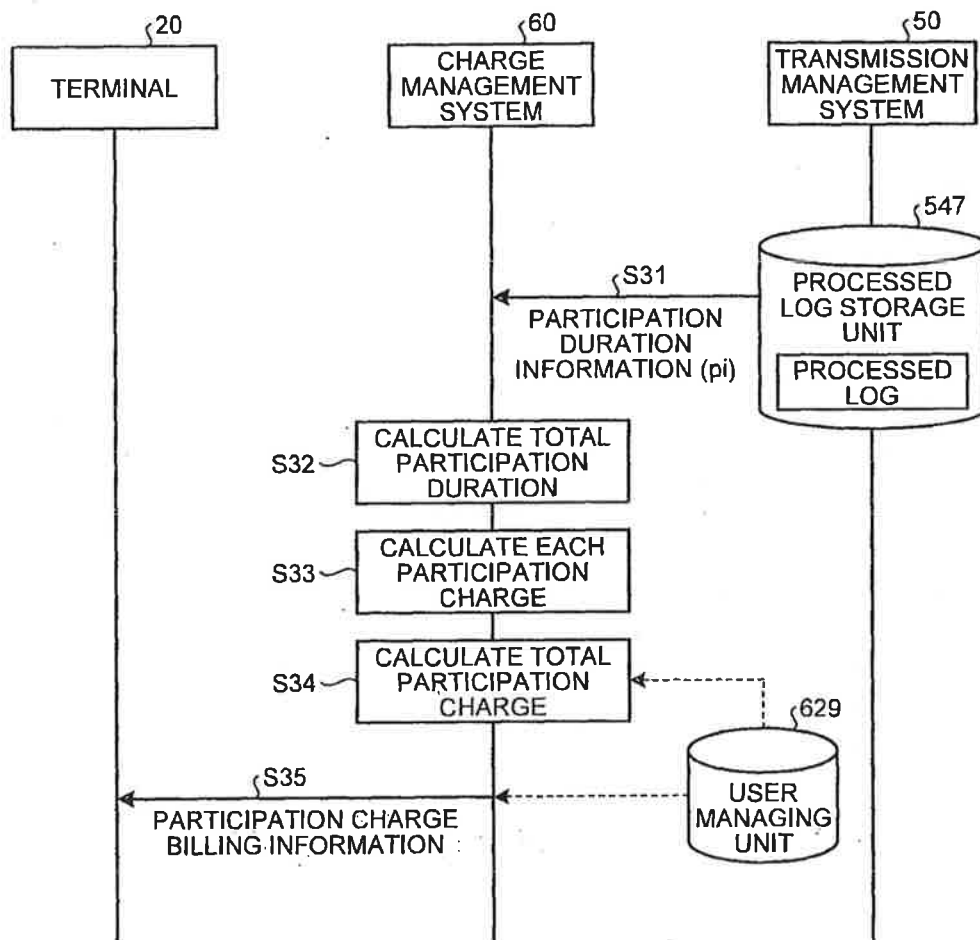


FIG.18

USER ID	TERMINAL ID	TOTAL PARTICIPATION DURATION PER TERMINAL	PARTICIPATION CHARGE PER TERMINAL	TOTAL PARTICIPATION CHARGE PER USER
a123	11001	21 HOURS 32 MINUTES	12920 YEN	45020 YEN
	11002	17 HOURS 54 MINUTUS	10740 YEN	
	11003	11 HOURS 10 MINUTUS	6700 YEN	
	***	***	***	
b234	11001	14 HOURS 47 MINUTUS	8870 YEN	34370 YEN
	11001	12 HOURS 35 MINUTUS	7550 YEN	
	11001	11 HOURS 10 MINUTUS	10750 YEN	
	***	***	***	
c345	11001	22 HOURS 03 MINUTUS	13230 YEN	38600 YEN
	11001	20 HOURS 45 MINUTUS	12450 YEN	
	11001	15 HOURS 15 MINUTUS	9150 YEN	
	***	***	***	
d456	11001	8 HOURS 45 MINUTUS	5250 YEN	17820 YEN
	11001	16 HOURS 38 MINUTUS	9980 YEN	
	11001	2 HOURS 45 MINUTUS	1650 YEN	
	***	***	***	
***	***	***	***	***

FIG.19A

LOG ID	TERMINAL ID	CONFERENCE ID	CONFERENCE SESSION ID	PARTICIPATION DATE/TIME	LEAVE DATE/TIME	PARTICIPATION DURATION	LEAVE STATUS	ERROR FLAG
001	110001	conf001	cse001	2010-09-01 10:00:00	2010-09-01 11:30:25	01:30:25	LEFT	1
002	110002	conf001	cse002	2010-09-01 10:00:00	2010-09-01 10:40:00	00:40:00	LEFT	1
003	110003	conf001	cse003	2010-09-01 10:00:00	2010-09-01 11:30:25	01:20:25	FORCED TERMINATION	1
004	110005	conf002	cse005	2010-09-12 14:30:00	2010-09-12 15:35:25	01:05:25	LEFT	1
005	110001	conf002	cse005	2010-09-12 14:30:00	2010-09-12 15:40:10	01:10:10	LEFT	1
006	110002	conf002	cse005	2010-09-12 14:33:35	-	01:06:35	IN CONFERENCE	1
***	***	***	***	***	***	***	***	***

FIG.19B

CONFERENCE ID	ORGANIZER TERMINAL ID	CONFERENCE START DATE/TIME	CONFERENCE END DATE/TIME	CONFERENCE DURATION	ERROR FLAG
conf001	110001	2010-09-01 10:00:00	2010-09-01 11:30:25	01:30:25	1
conf002	110005	2010-09-12 14:30:00	-	-	1
***	***	***	***	***	***