

FIG. 1

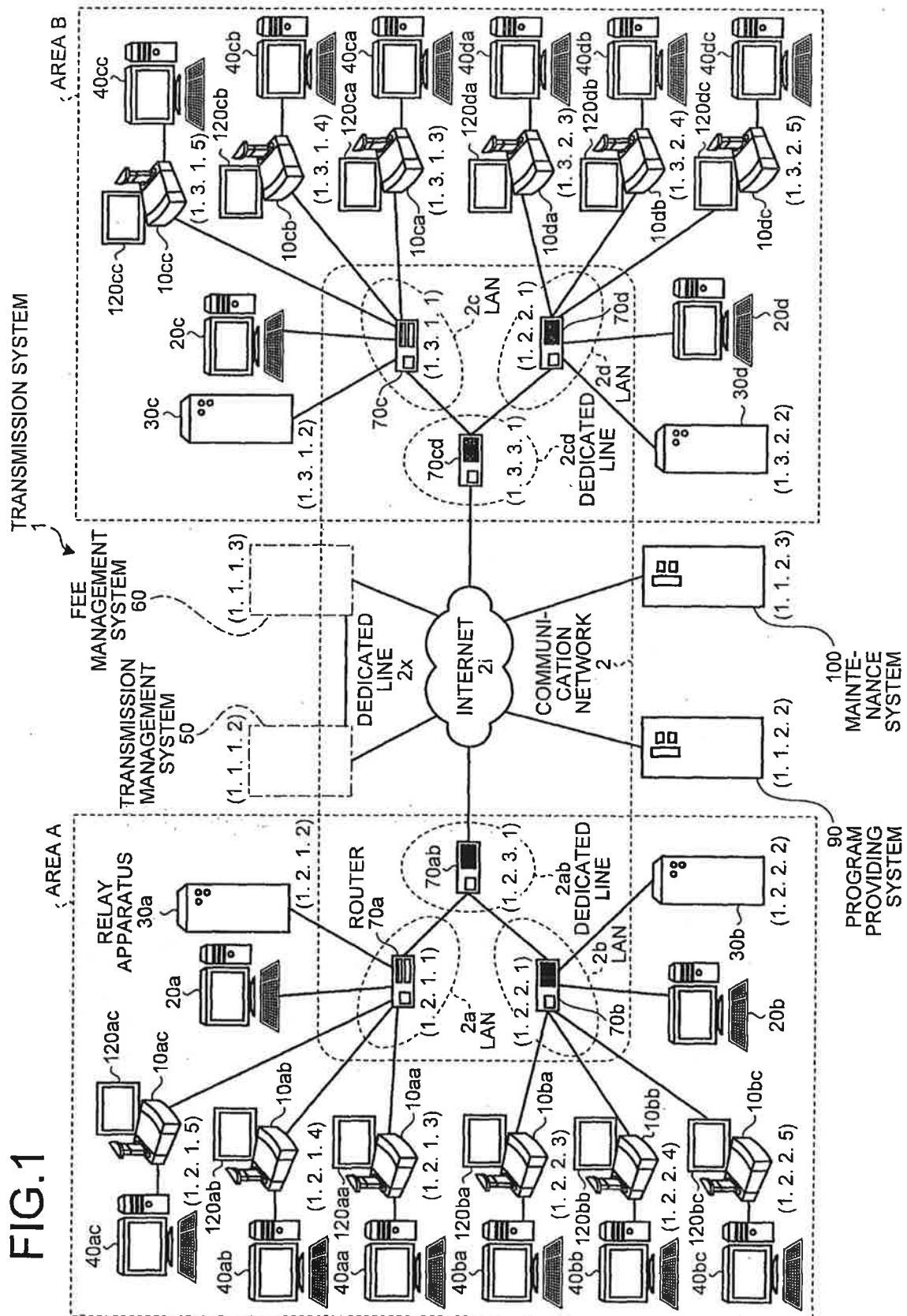


FIG.2

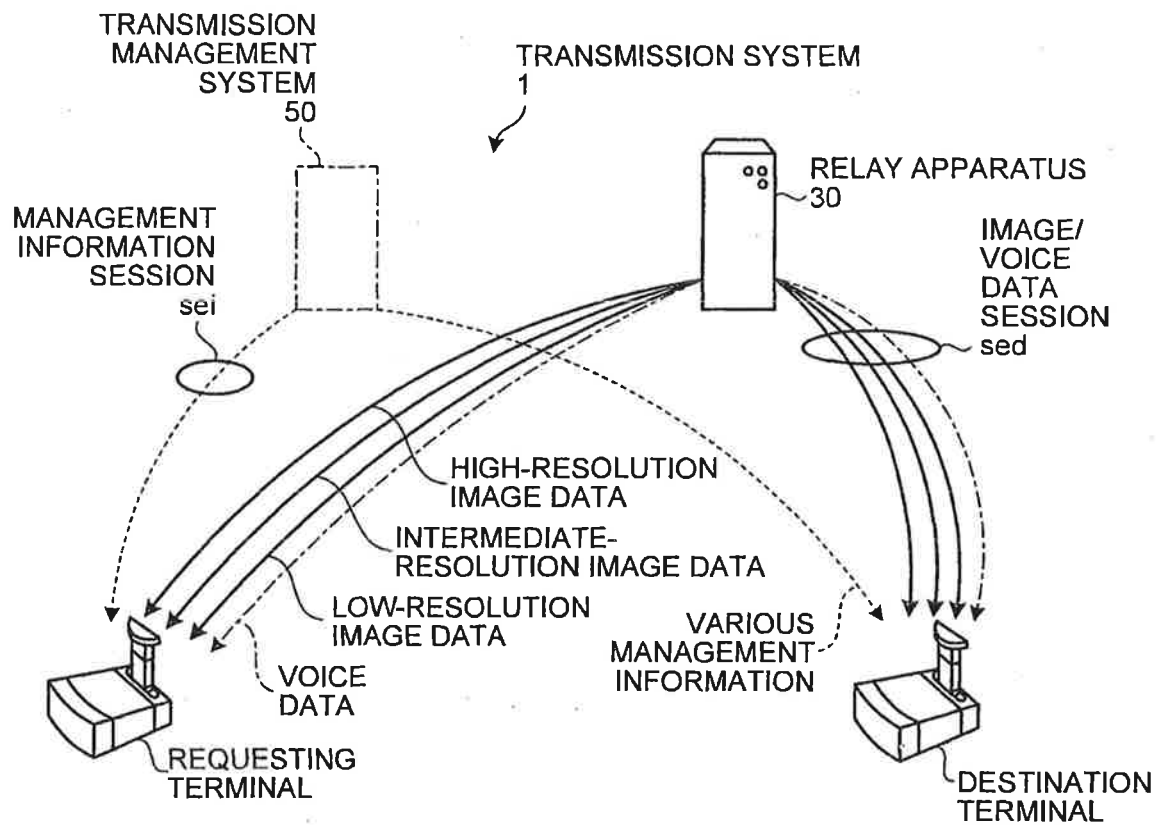


FIG.3

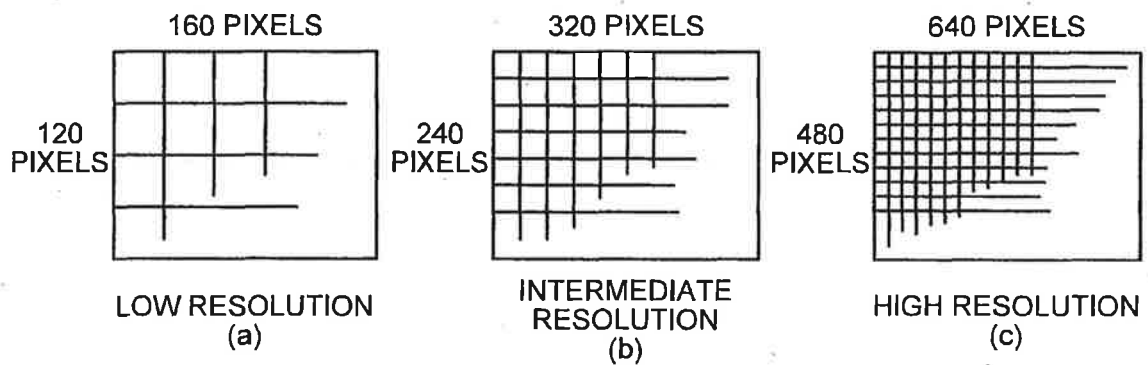


FIG.4

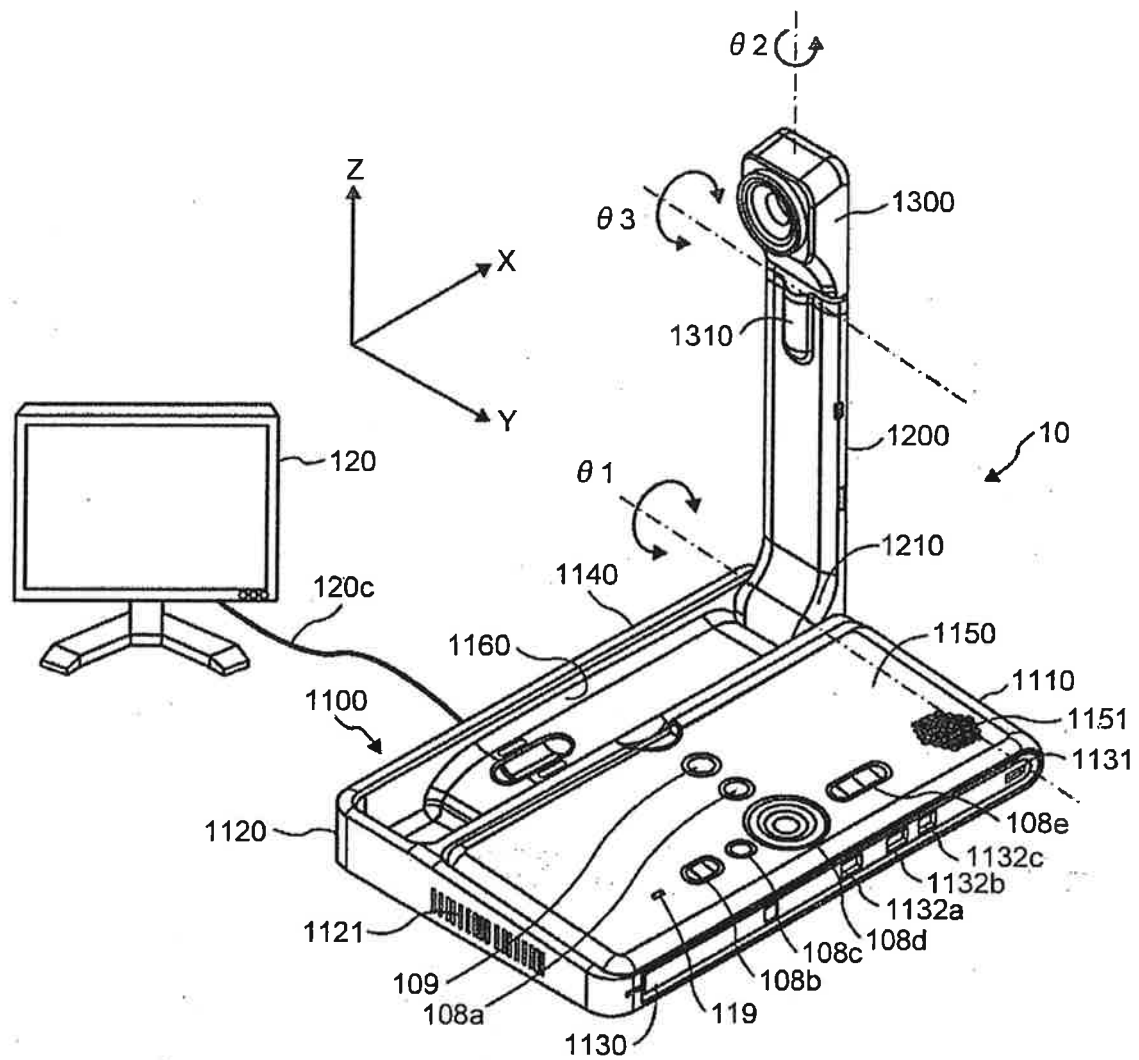


FIG. 5

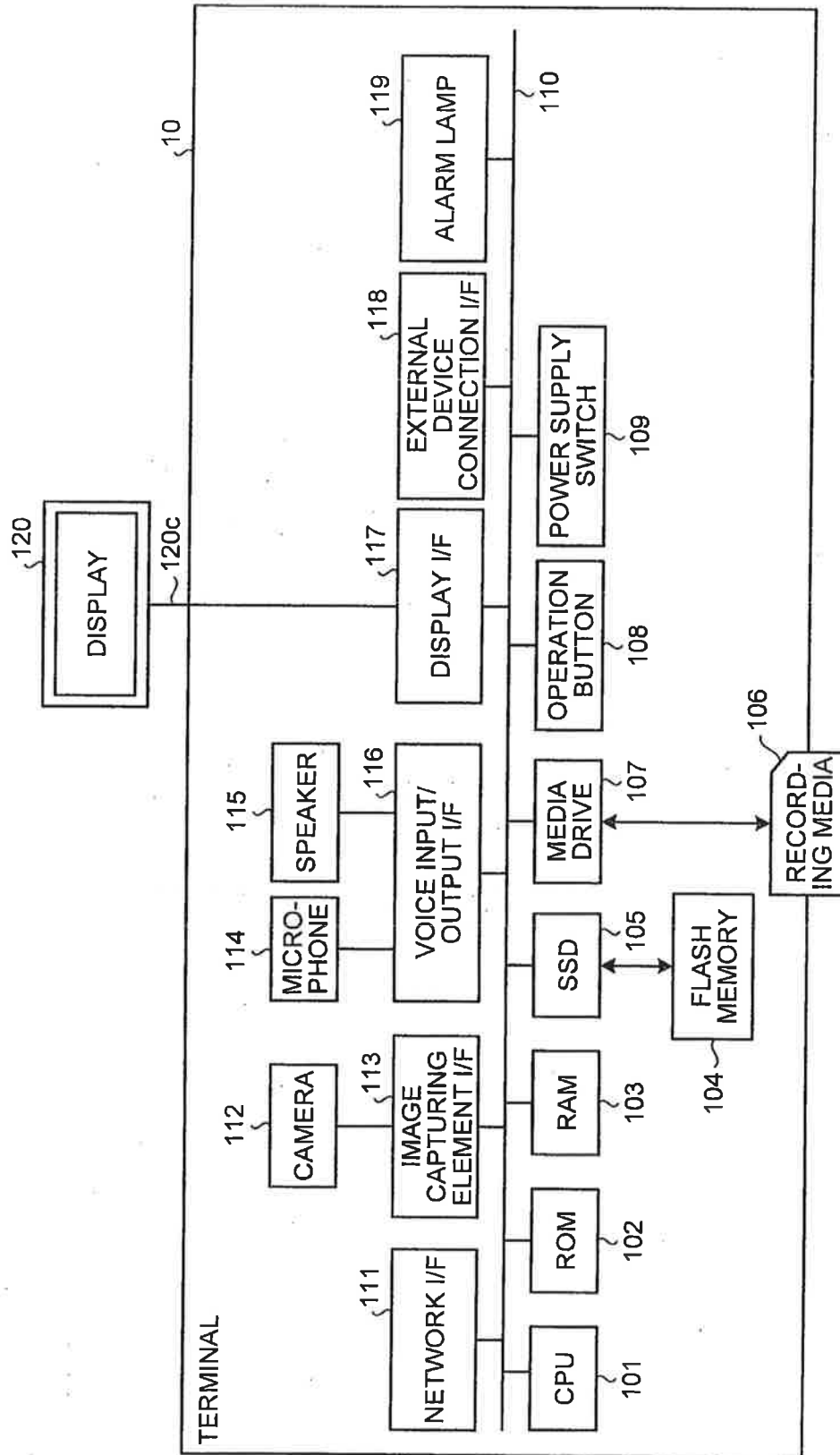


FIG. 6

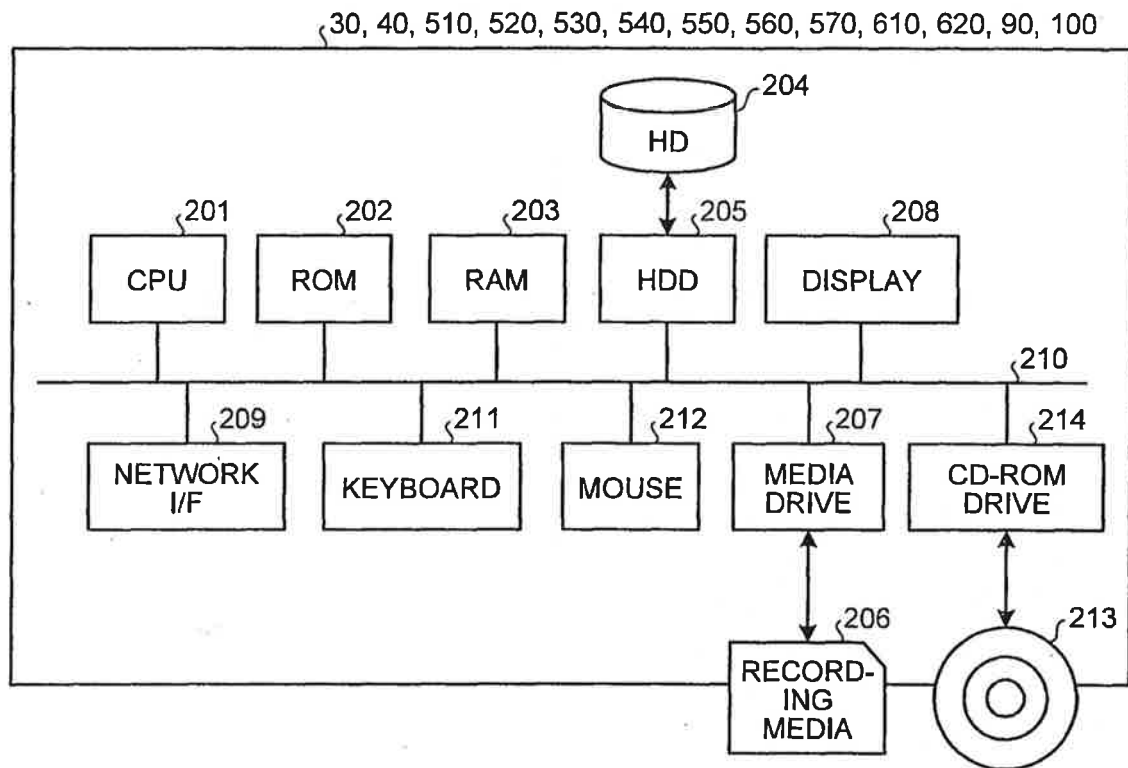


FIG. 7

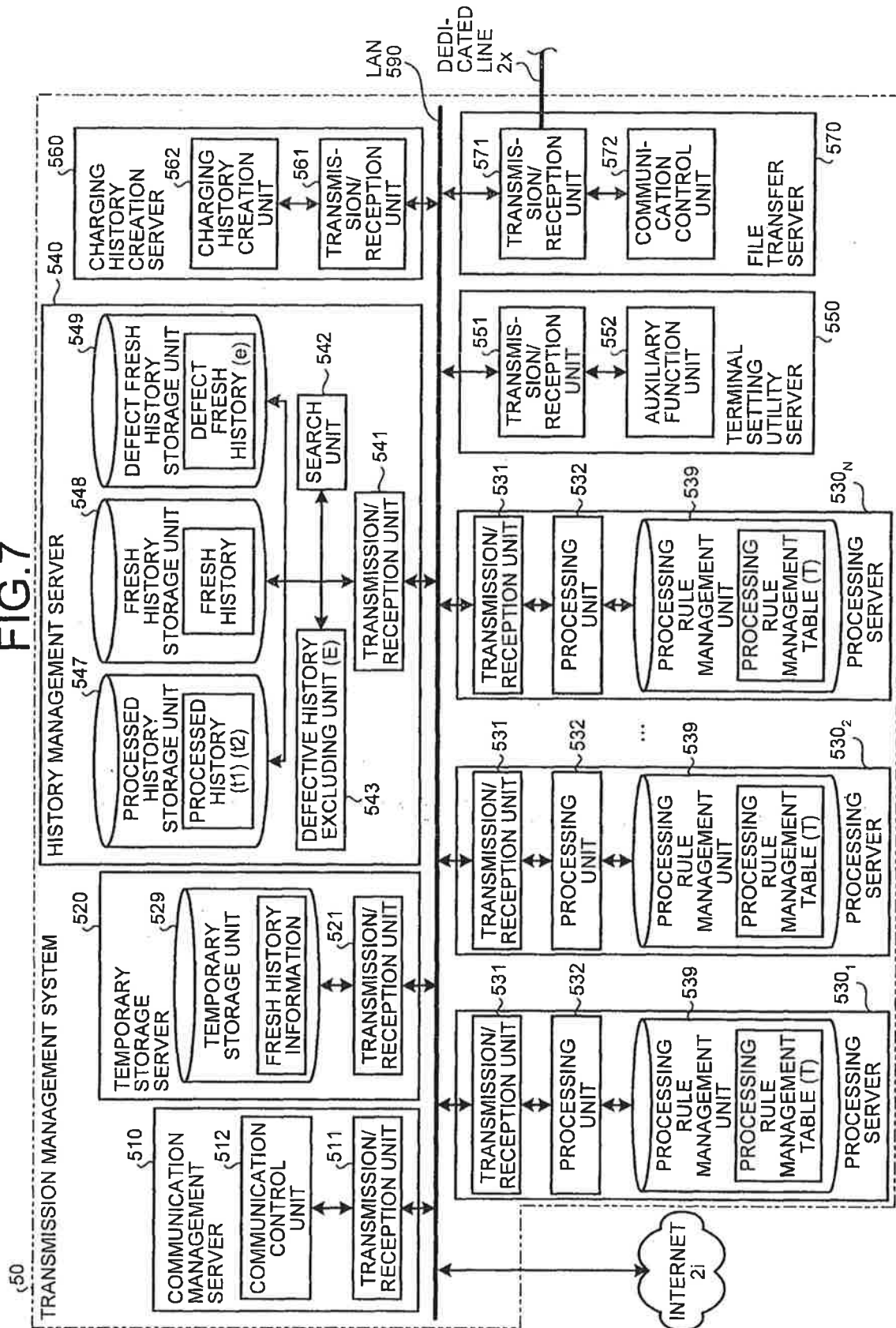


FIG.8

PROCESSING RULE MANAGEMENT TABLE (T)

| PROCESSING<br>START CONDITION<br>(COMMUNICATION<br>STATE)                               | POST-<br>PROCESSING<br>TARGET<br>TABLE             | POST-<br>PROCESSING<br>TARGET RECORD                  | PROCESSING CONTENTS                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COMMUNICATION<br>STATE="invite"                                                         | CONFERENCE<br>HISTORY<br>MANAGEMENT<br>TABLE (t2)  | RECORD<br>INDICATING SAME<br>CONFERENCE ID            | CONFERENCE ID= <u>CONFERENCE ID</u><br>HOST TERMINAL ID=<br><u>TRANSMISSION SOURCE TERMINAL ID</u>                                                                                                                                                                                                                                                       |
| COMMUNICATION<br>STATE="start"                                                          | CONFERENCE<br>HISTORY<br>MANAGEMENT<br>TABLE (t2)  | RECORD<br>INDICATING SAME<br>CONFERENCE ID            | CONFERENCE ID= <u>CONFERENCE ID</u><br>HELD DATE AND TIME=<br><u>COMMUNICATION DATE AND TIME</u><br>CONFERENCE TIME=<br>END DATE AND TIME · COMMUNICATION<br>DATE AND TIME                                                                                                                                                                               |
| COMMUNICATION<br>STATE="end"                                                            | CONFERENCE<br>HISTORY<br>MANAGEMENT<br>TABLE (t2)  | RECORD<br>INDICATING SAME<br>CONFERENCE ID            | CONFERENCE ID= <u>CONFERENCE ID</u><br>HELD DATE AND TIME=<br><u>COMMUNICATION DATE AND TIME</u><br>CONFERENCE TIME=<br>CONFERENCE TIME · HELD DATE AND TIME                                                                                                                                                                                             |
| COMMUNICATION<br>STATE="join"                                                           | PARTICIPANT<br>HISTORY<br>MANAGEMENT<br>TABLE (t1) | RECORD<br>INDICATING SAME<br>CONFERENCE<br>SESSION ID | HOST TERMINAL ID=<br><u>TRANSMISSION SOURCE TERMINAL ID</u><br>CONFERENCE ID= <u>CONFERENCE ID</u><br>CONFERENCE SESSION ID=<br><u>CONFERENCE SESSION ID</u><br>PARTICIPATION DATE AND TIME=<br><u>COMMUNICATION DATE AND TIME</u><br>PARTICIPATION TIME=(LEAVING DATE AND<br>TIME-COMMUNICATION DATE AND TIME)<br>LEAVING STATE="DURING CONFERENCE"     |
| COMMUNICATION<br>STATE="leave"                                                          | PARTICIPANT<br>HISTORY<br>MANAGEMENT<br>TABLE (t1) | RECORD<br>INDICATING SAME<br>CONFERENCE<br>SESSION ID | HOST TERMINAL ID=<br><u>TRANSMISSION SOURCE TERMINAL ID</u><br>CONFERENCE ID= <u>CONFERENCE ID</u><br>CONFERENCE SESSION ID=<br><u>CONFERENCE SESSION ID</u><br>PARTICIPATION DATE AND TIME=<br><u>COMMUNICATION DATE AND TIME</u><br>PARTICIPATION TIME=(COMMUNICATION<br>DATE AND TIME · PARTICIPATION DATE<br>AND TIME)<br>LEAVING STATE="NORMAL"     |
| COMMUNICATION<br>STATE="offline"<br>CONFERENCE ID=null<br>CONFERENCE<br>SESSION ID=null | PARTICIPANT<br>HISTORY<br>MANAGEMENT<br>TABLE (t1) | RECORD<br>INDICATING SAME<br>CONFERENCE<br>SESSION ID | HOST TERMINAL ID=<br><u>TRANSMISSION SOURCE TERMINAL ID</u><br>CONFERENCE ID= <u>CONFERENCE ID</u><br>CONFERENCE SESSION ID=<br><u>CONFERENCE SESSION ID</u><br>PARTICIPATION DATE AND TIME=<br><u>COMMUNICATION DATE AND TIME</u><br>PARTICIPATION TIME=(COMMUNICATION<br>DATE AND TIME · PARTICIPATION DATE AND<br>TIME)<br>LEAVING STATE="FORCE-QUIT" |
| ***                                                                                     | ***                                                | ***                                                   | ***                                                                                                                                                                                                                                                                                                                                                      |

\* UNDERLINED TERMS INDICATE ITEM VALUES OF FRESH HISTORY INFORMATION

FIG.9

## FRESH HISTORY INFORMATION

| COMMUNI-<br>CATION<br>STATE | REQUESTING<br>TERMINAL ID | DESTI-<br>NATION<br>TERMINAL<br>ID | SESSION<br>ID | CONFER-<br>ENCE ID | CONFER-<br>ENCE<br>SESSION<br>ID | COMMUNICATION<br>DATE AND 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            |
| intive                      | 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            |
| intive                      | 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            |
| ...                         | ...                       | ...                                | ...           | ...                | ...                              | ...                            |

FIG.10A

PARTICIPANT HISTORY MANAGEMENT TABLE (t1)

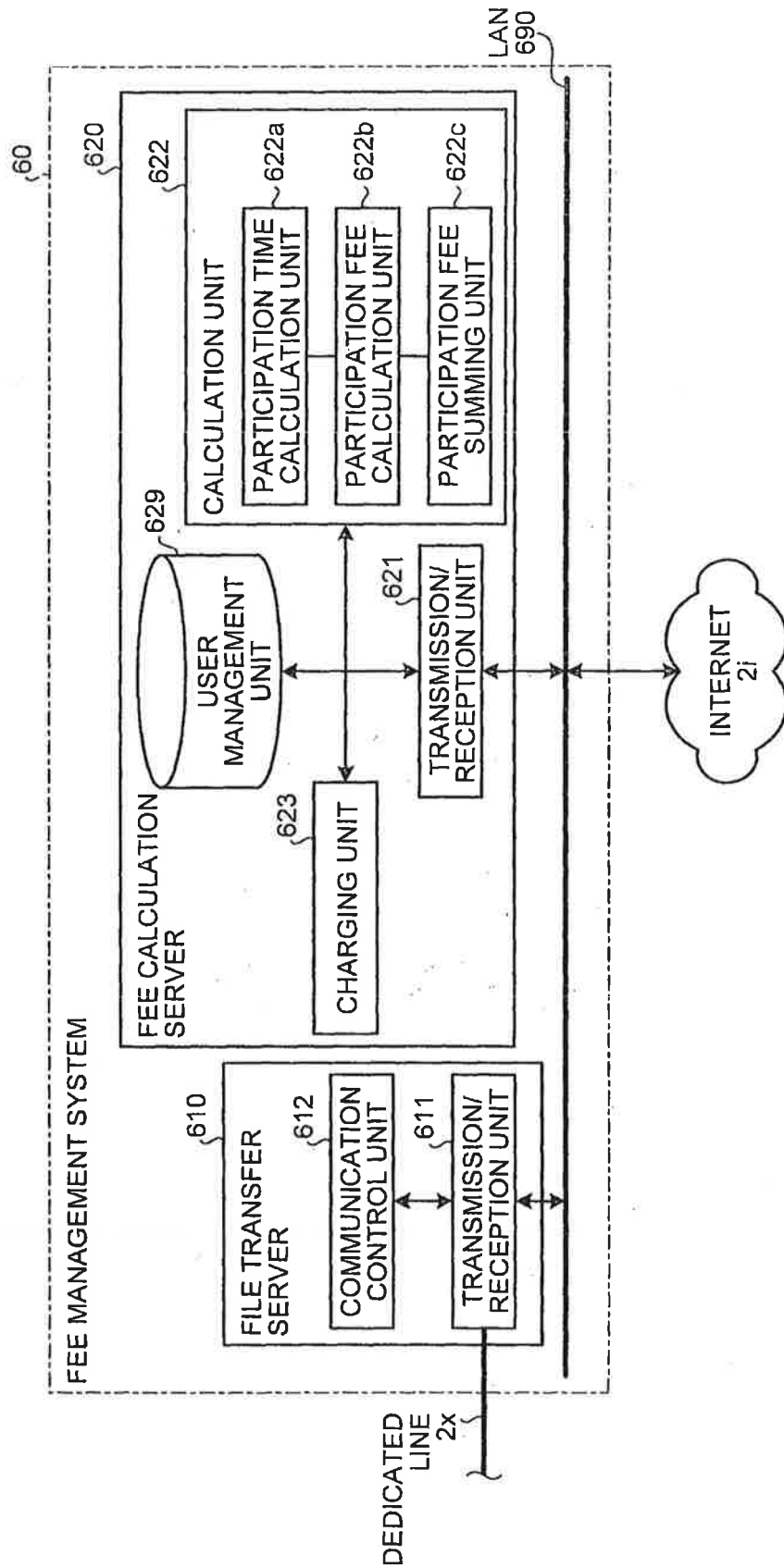
| HISTORY ID | TERMINAL ID | CONFERENCE ID | CONFERENCE SESSION ID | PARTICIPATION DATE AND TIME | LEAVING DATE AND TIME | PARTICIPATION TIME | LEAVING STATE |
|------------|-------------|---------------|-----------------------|-----------------------------|-----------------------|--------------------|---------------|
| 001        | 110001      | conf001       | cse001                | 2010-09-01 10:00:00         | 2010-09-01 11:30:25   | 01:30:25           | LEAVE         |
| 002        | 110002      | conf001       | cse002                | 2010-09-01 10:00:00         | 2010-09-01 10:40:00   | 00:44:00           | LEAVE         |
| 003        | 110003      | conf001       | cse003                | 2010-09-01 10:00:00         | 2010-09-01 11:30:25   | 01:20:25           | FORCE-QUIT    |
| 004        | 110005      | conf002       | cse005                | 2010-09-12 14:30:00         | 2010-09-12 15:35:25   | 01:05:25           | LEAVE         |
| 005        | 110001      | conf002       | cse005                | 2010-09-12 14:30:00         | 2010-09-12 15:40:10   | 01:10:10           | LEAVE         |
| 006        | 110002      | conf002       | cse005                | 2010-09-12 14:33:35         | 2010-09-12 15:40:10   | 01:06:35           | LEAVE         |
| ...        | ...         | ...           | ...                   | ...                         | ...                   | ...                | ...           |

FIG.10B

PARTICIPANT HISTORY MANAGEMENT TABLE (t2)

| CONFERENCE ID | HOST TERMINAL ID | CONFERENCE START DATE AND TIME | CONFERENCE END DATE AND TIME | CONFERENCE TIME |
|---------------|------------------|--------------------------------|------------------------------|-----------------|
| 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            | -                            | -               |
| ...           | ...              | ...                            | ...                          | ...             |

FIG. 11



# FIG.12

USER MANAGEMENT TABLE (Ty)

| CONTRACT NUMBER | USER ID | USER NAME | USER ADDRESS         | USER TELEPHONE NUMBER | USER 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       |
|                 |         |           |                      |                       |                     | ...         |
| ...             | ...     | ...       | ...                  | ...                   | ...                 | ...         |

FIG.13

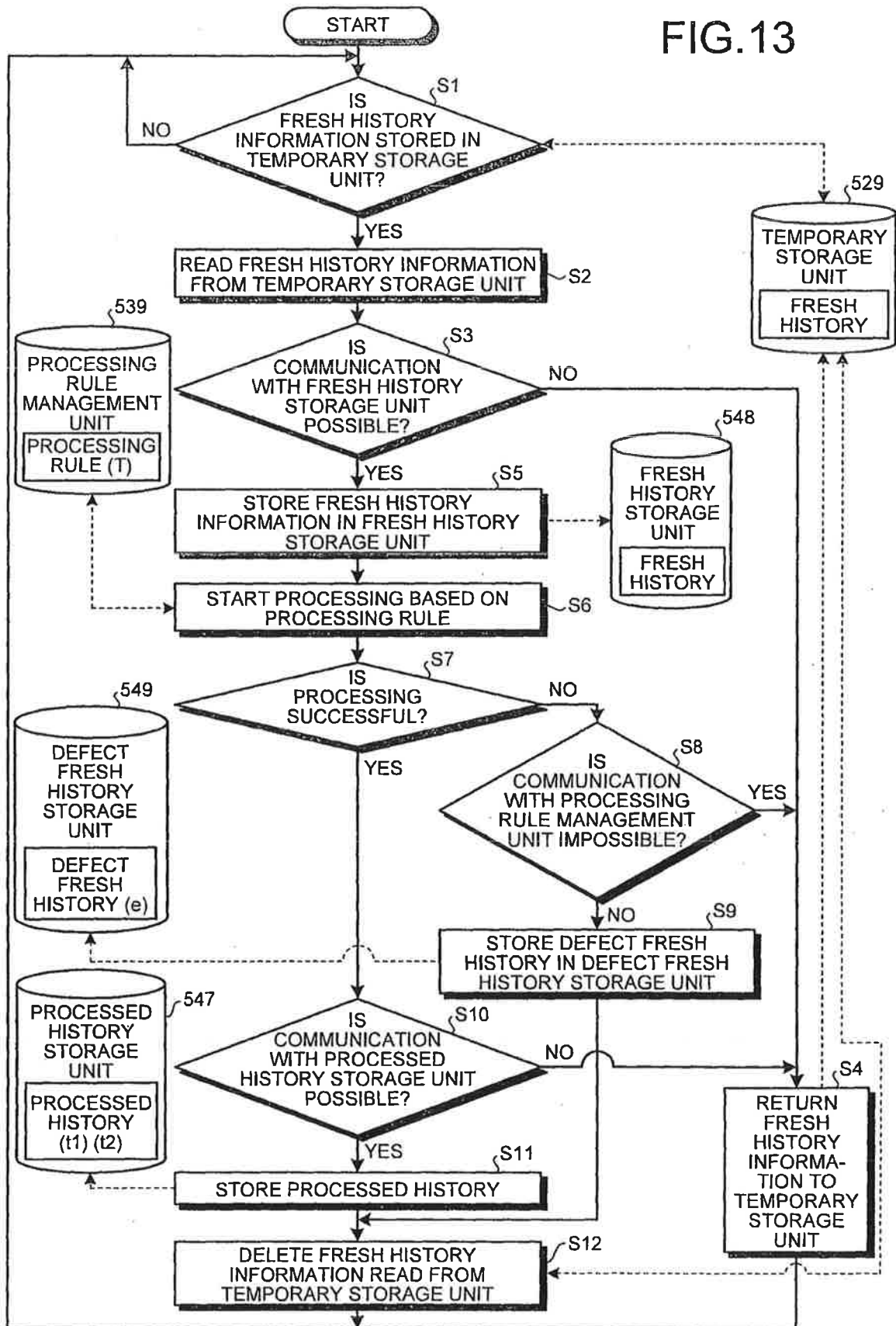


FIG.14

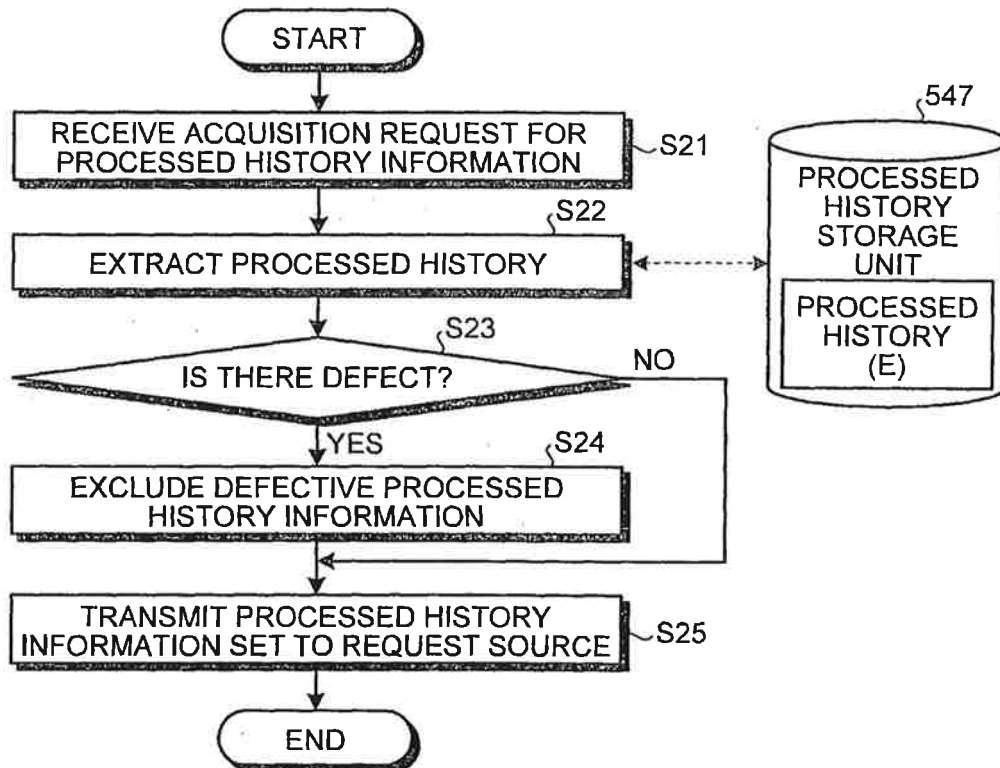
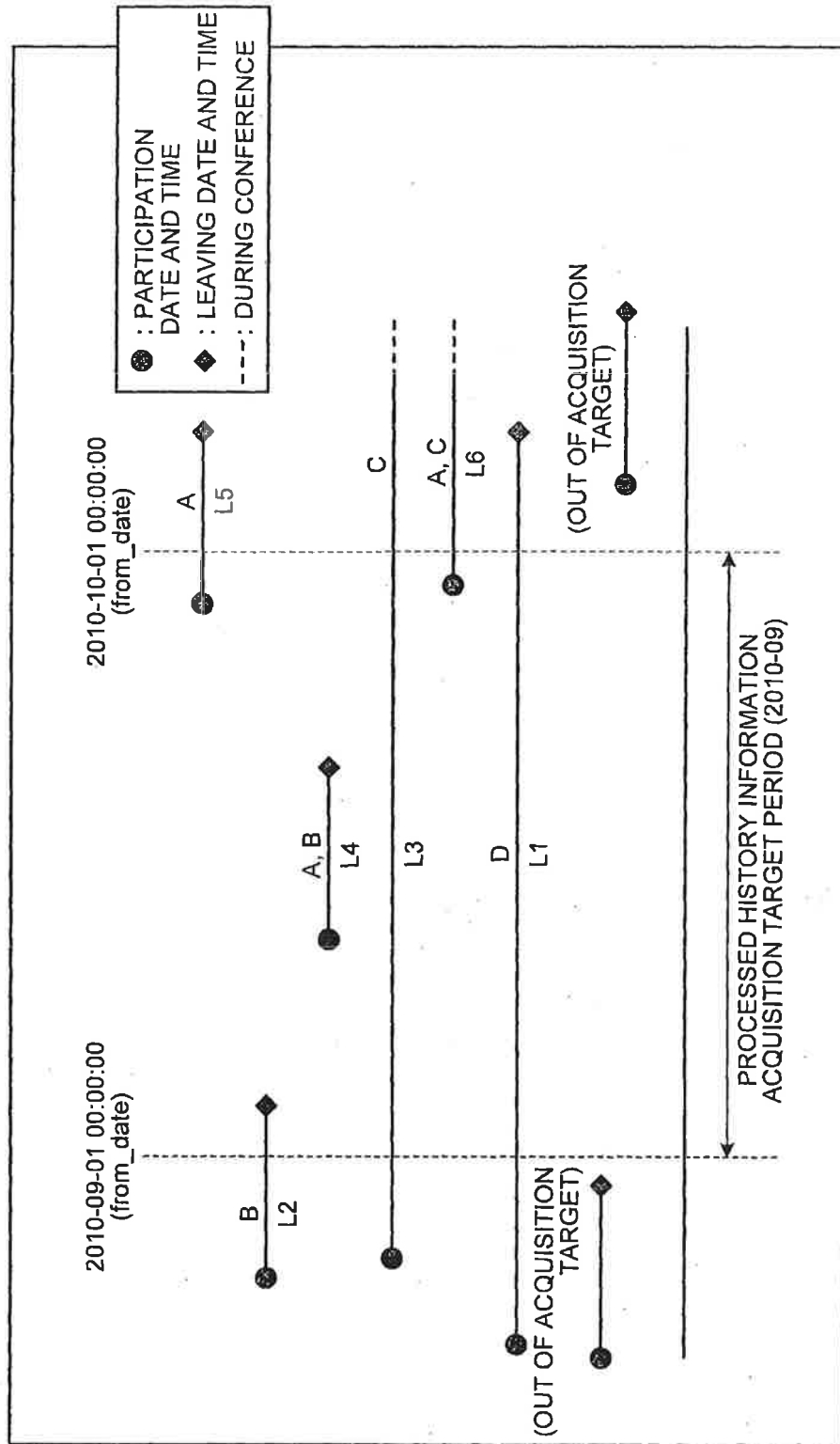


FIG.15A



## FIG.15B

SEARCH CONDITION A : (TERMINAL ID = TERMINAL ID OF ACQUISITION REQUESTING TERMINAL)  
&& (from\_date  $\leq$  PARTICIPATION DATE AND TIME) && (PARTICIPATION DATE AND TIME < to\_date)

SEARCH CONDITION B : (TERMINAL ID = TERMINAL ID OF ACQUISITION REQUESTING TERMINAL)  
&& (from\_date  $\leq$  LEAVING DATE AND TIME) && (LEAVING DATE AND TIME < to\_date)

SEARCH CONDITION C : (TERMINAL ID = TERMINAL ID OF ACQUISITION REQUESTING TERMINAL)  
&& (LEAVING STATE = "DURING CONFERENCE") && (PARTICIPATION DATE AND TIME < to\_date)

SEARCH CONDITION D : (TERMINAL ID = TERMINAL ID OF ACQUISITION REQUESTING TERMINAL)  
&& (PARTICIPATION TIME  $\leq$  to\_date - from\_date) && (PARTICIPATION DATE AND TIME < from\_date)  
&& (LEAVING DATE AND TIME  $\geq$  to\_date)

FIG.16

TRANSMISSION TERMINAL  
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FIG.17

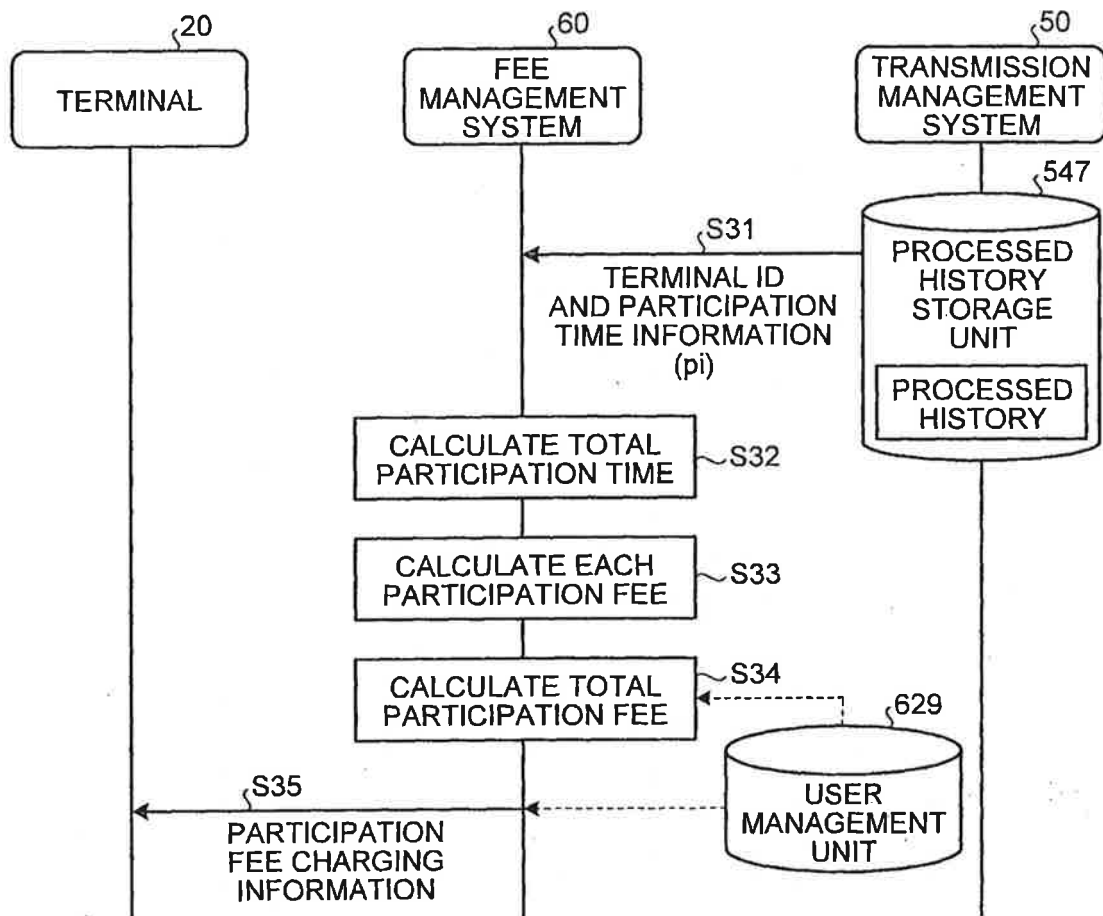


FIG.18

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

**FIG. 19A**

PARTICIPATION HISTORY MANAGEMENT TABLE (t11)[illegible]

FIG. 19B

CONFERENCE HISTORY MANAGEMENT TABLE (12)

| CONFERENCE ID | HOST TERMINAL ID | CONFERENCE START DATE AND TIME | CONFERENCE END DATE AND TIME | CONFERENCE TIME | DEFECT FLAG |
|---------------|------------------|--------------------------------|------------------------------|-----------------|-------------|
| conf001       | 110001           | 2010-09-01<br>10:00:00         | 2010-09-01<br>11:30:25       | 01:30:25        | 1           |
| conf002       | 110005           | 2010-09-12<br>14:30:00         | -                            | -               | 1           |
| ...           | ...              | ...                            | ...                          | ...             | ...         |