

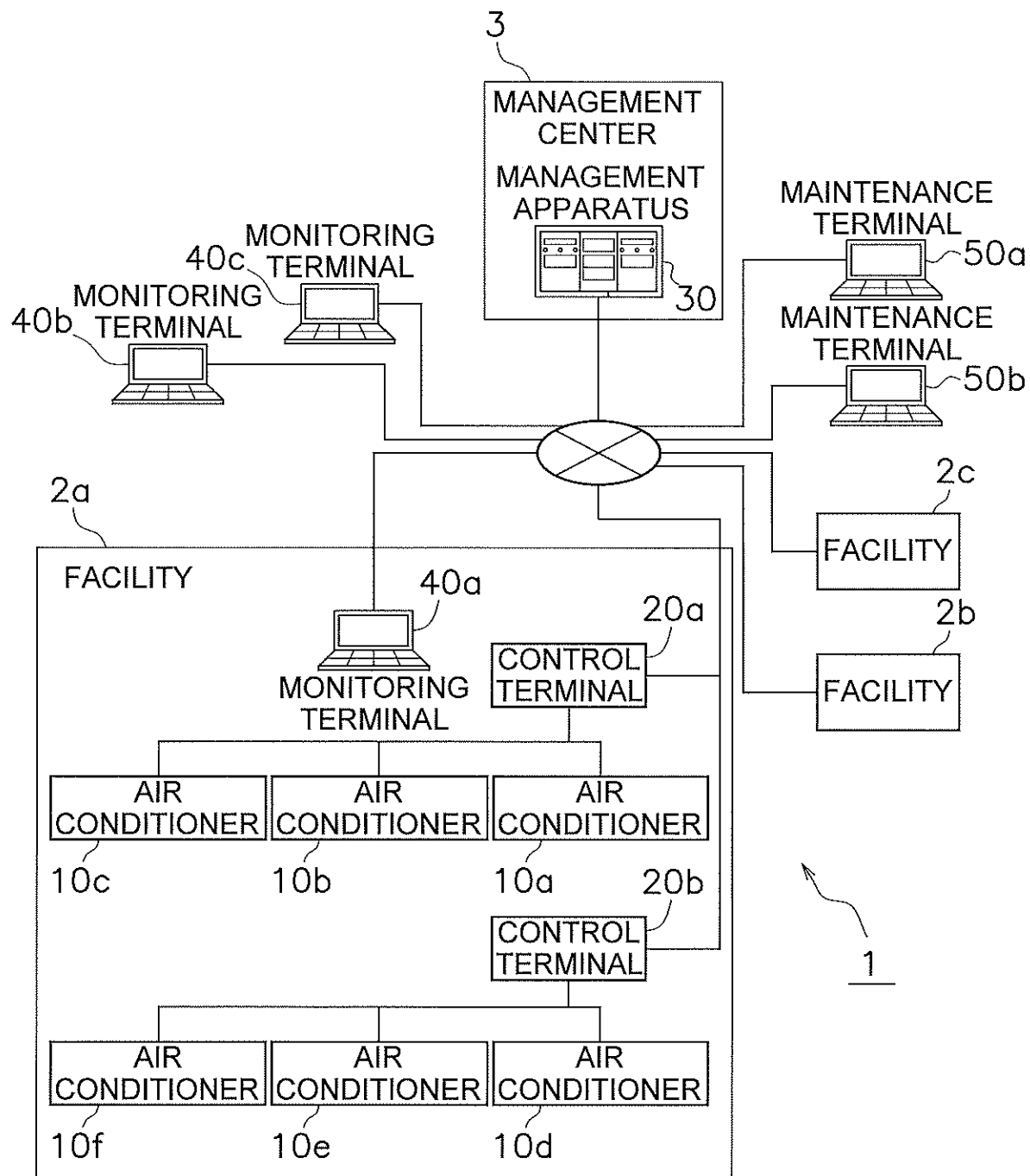


FIG. 1

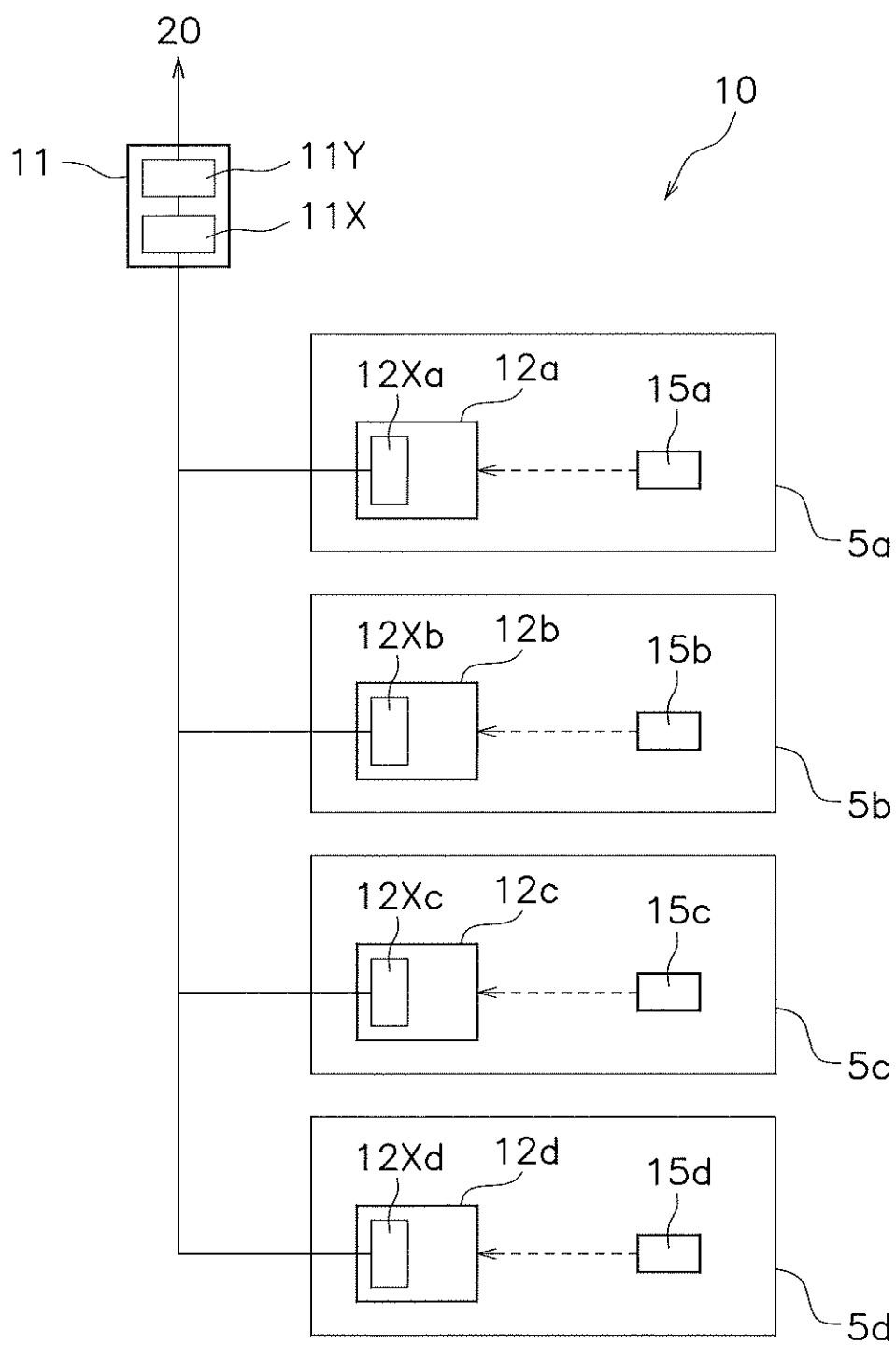


FIG. 2

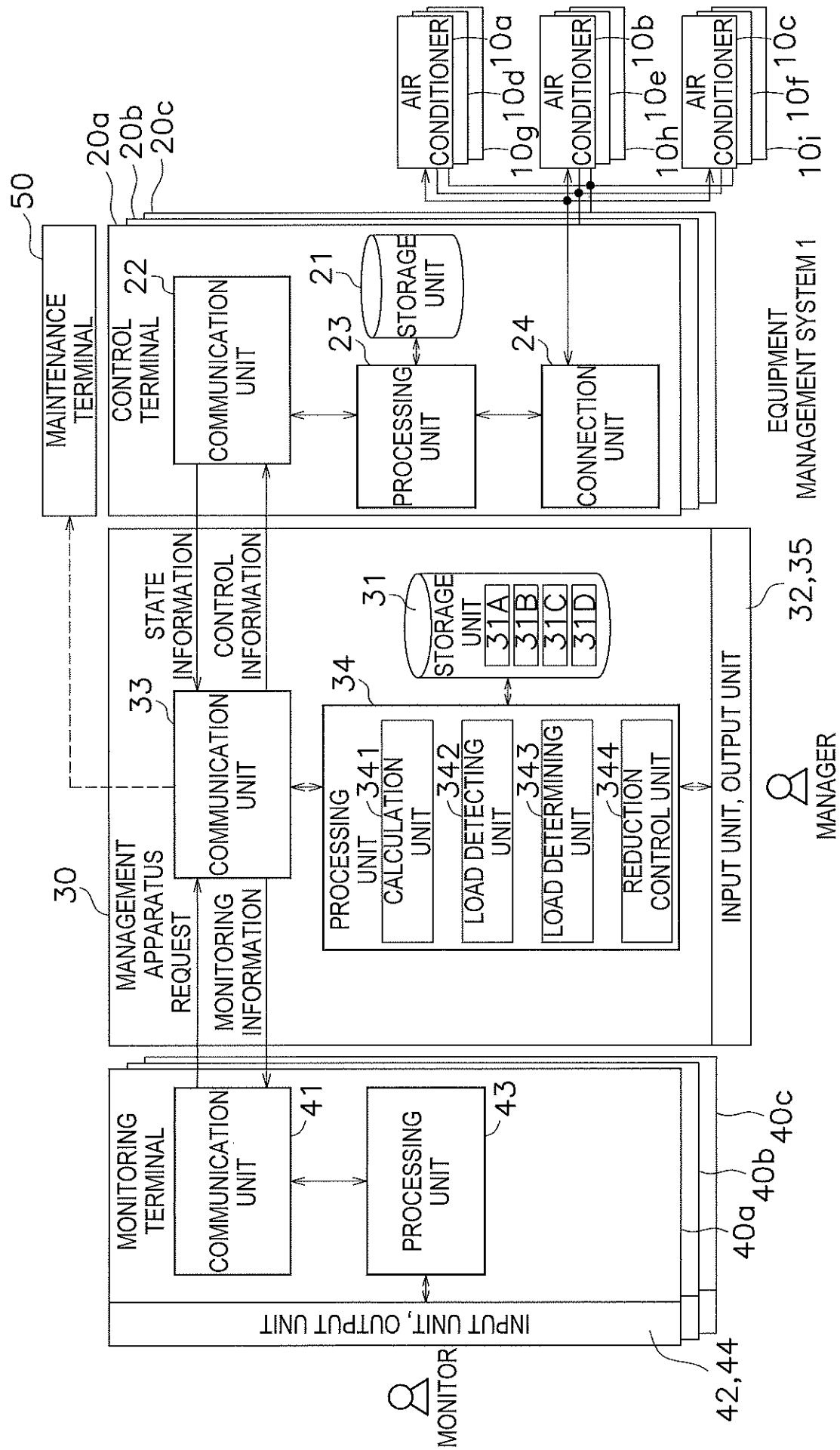


FIG. 3

## FIRST COMMUNICATION CONDITION A1

(a)

| CONTROL<br>TERMINAL<br>20a | FIRST STATE<br>INFORMATION<br>D1 | SECOND STATE<br>INFORMATION<br>D2 | THIRD STATE<br>INFORMATION<br>D3 |
|----------------------------|----------------------------------|-----------------------------------|----------------------------------|
| AIR<br>CONDITIONER<br>10a  | ○<br>TRANSMITTABLE               | ○<br>TRANSMITTABLE                | ○<br>TRANSMITTABLE               |
| AIR<br>CONDITIONER<br>10b  | ○<br>TRANSMITTABLE               | ○<br>TRANSMITTABLE                | ○<br>TRANSMITTABLE               |
| AIR<br>CONDITIONER<br>10c  | ○<br>TRANSMITTABLE               | ○<br>TRANSMITTABLE                | ○<br>TRANSMITTABLE               |



## SECOND COMMUNICATION CONDITION A2

(b)

| CONTROL<br>TERMINAL<br>20a | FIRST STATE<br>INFORMATION<br>D1 | SECOND STATE<br>INFORMATION<br>D2 | THIRD STATE<br>INFORMATION<br>D3 |
|----------------------------|----------------------------------|-----------------------------------|----------------------------------|
| AIR<br>CONDITIONER<br>10a  | ○<br>TRANSMITTABLE               | × NOT<br>TRANSMITTABLE            | × NOT<br>TRANSMITTABLE           |
| AIR<br>CONDITIONER<br>10b  | ○<br>TRANSMITTABLE               | × NOT<br>TRANSMITTABLE            | × NOT<br>TRANSMITTABLE           |
| AIR<br>CONDITIONER<br>10c  | ○<br>TRANSMITTABLE               | × NOT<br>TRANSMITTABLE            | × NOT<br>TRANSMITTABLE           |

FIG. 4

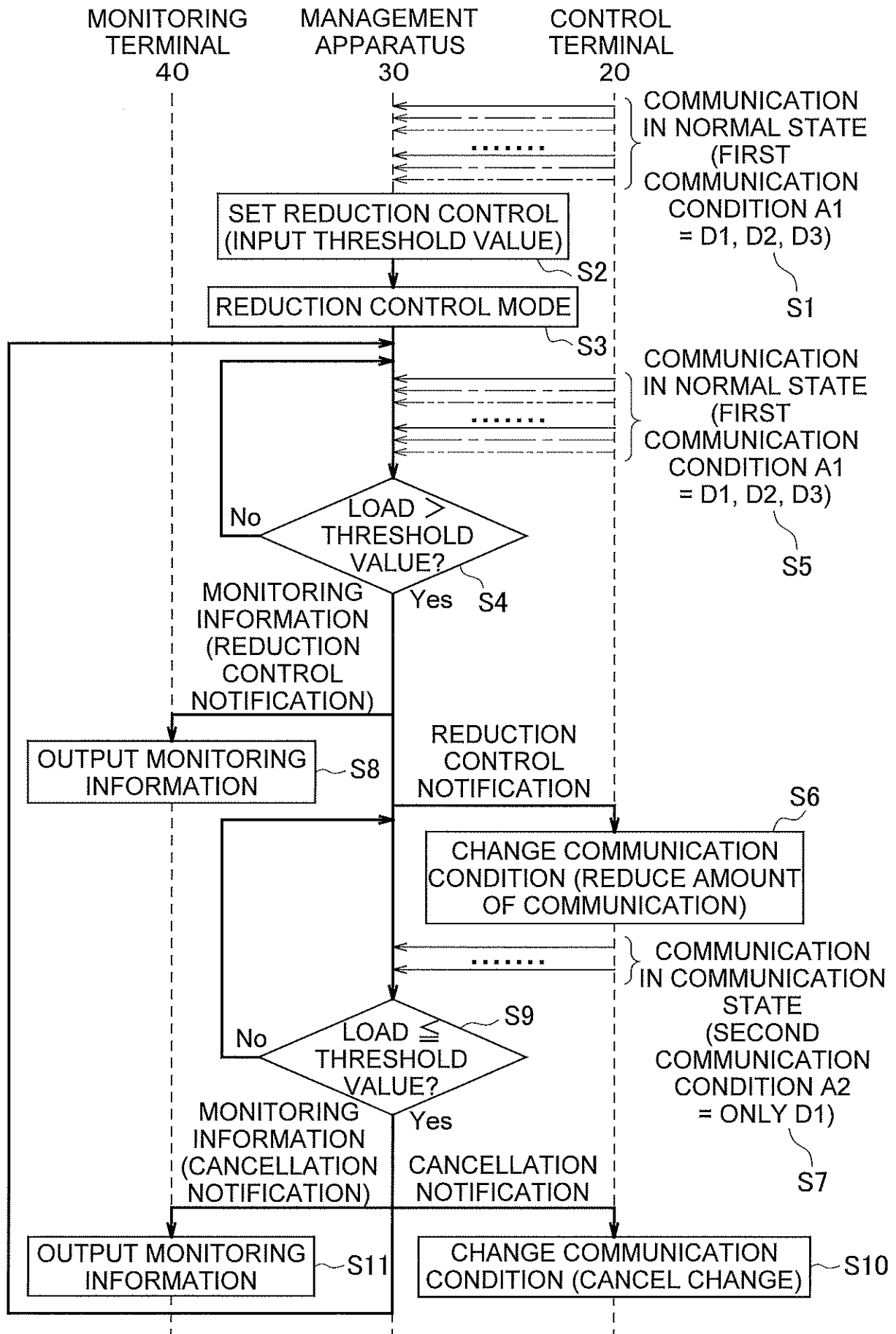


FIG. 5

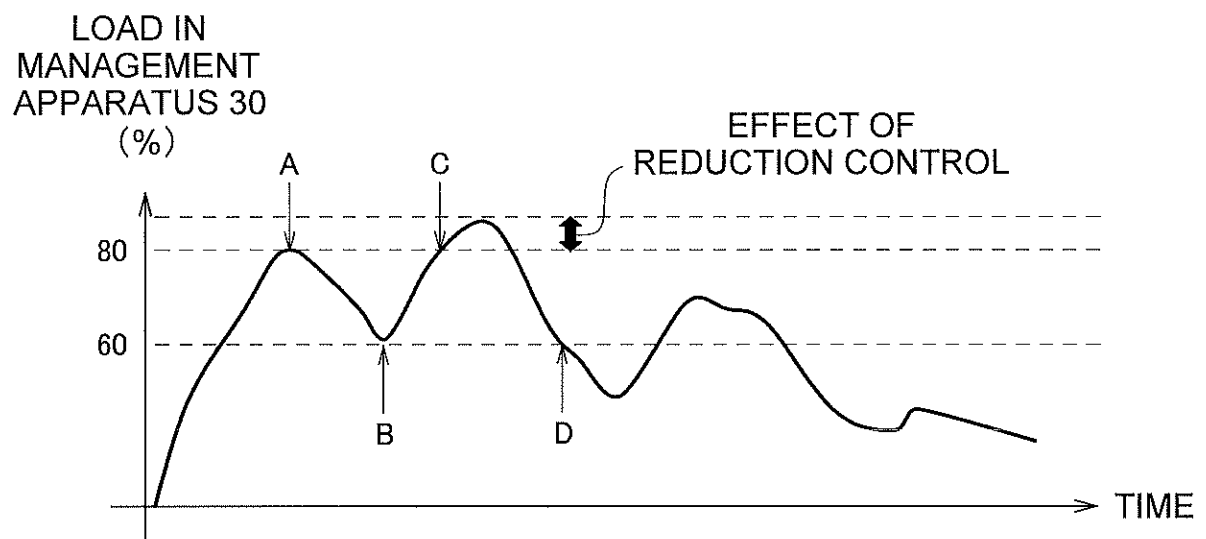


FIG. 6

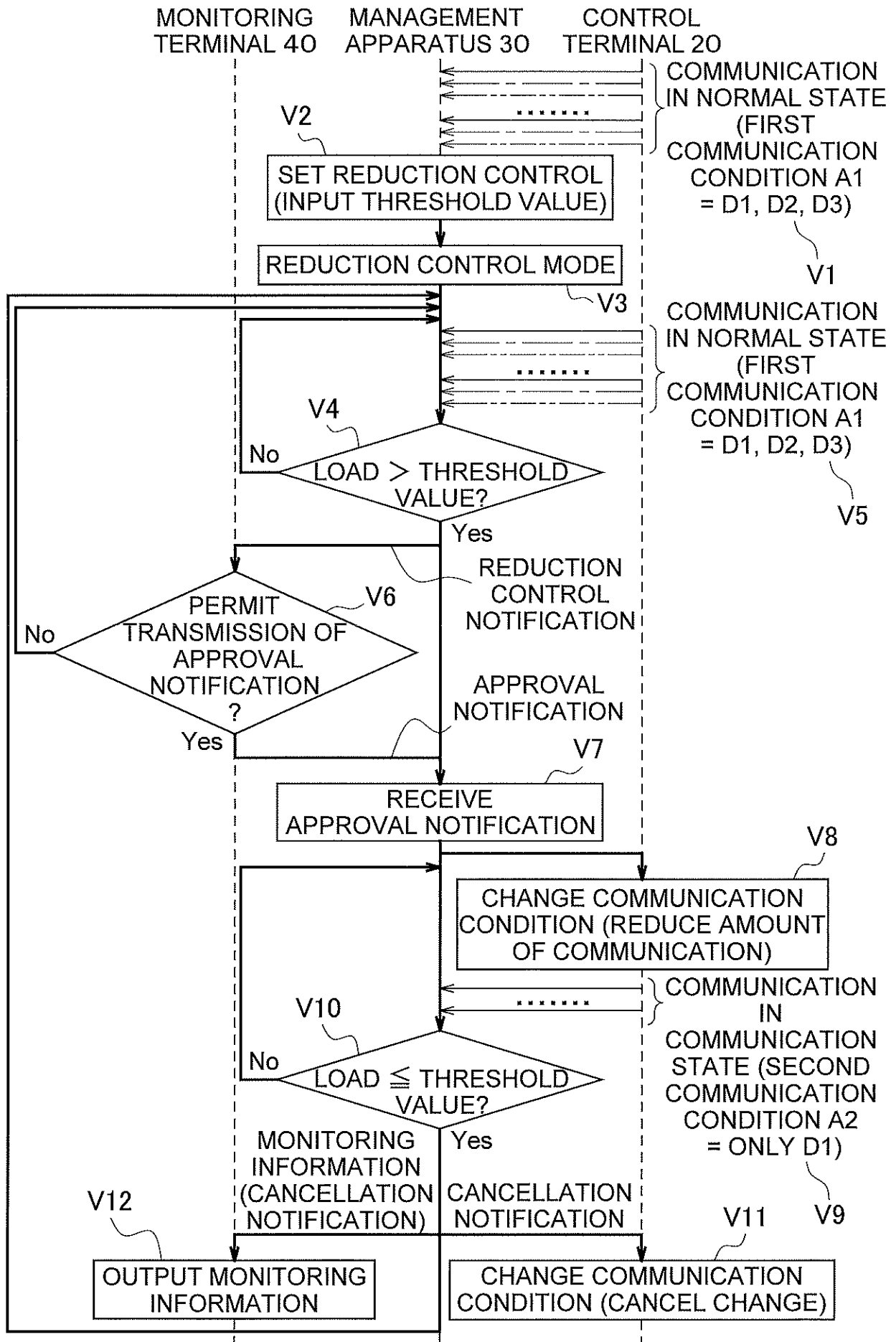


FIG. 7

|               |      | DEGREE OF PRIORITY OF EACH PIECE OF EQUIPMENT |                               |                               |
|---------------|------|-----------------------------------------------|-------------------------------|-------------------------------|
|               |      | HIGH                                          | MIDDLE                        | LOW                           |
| LOAD<br>LEVEL | Lv1  | PERMIT<br>COMMUNICATION                       | PERMIT<br>COMMUNICATION       | STOP PART OF<br>COMMUNICATION |
|               | :    | :                                             | :                             | :                             |
|               | Lv5  | PERMIT<br>COMMUNICATION                       | STOP PART OF<br>COMMUNICATION | STOP<br>COMMUNICATION         |
|               | :    | :                                             | :                             | :                             |
|               | Lv10 | STOP PART OF<br>COMMUNICATION                 | STOP<br>COMMUNICATION         | STOP<br>COMMUNICATION         |

FIG. 8

|           |       | DEGREE OF<br>PRIORITY = HIGH                               | DEGREE OF<br>PRIORITY = MIDDLE | DEGREE OF<br>PRIORITY = LOW                            | CLASSIFICATION                        |
|-----------|-------|------------------------------------------------------------|--------------------------------|--------------------------------------------------------|---------------------------------------|
| EQUIPMENT | WHO   | DEGREE OF<br>PRIORITY<br>PRESENT/ABSENT<br>(PERSON, THING) | PRESIDENT                      | DIRECTOR                                               | ORDINARY<br>EMPLOYEE<br>(b1)          |
|           | WHAT  | STATE<br>(EQUIPMENT)                                       | PRESENT                        | PRESENT                                                | ABSENT<br>(b2)                        |
|           |       | STATE (SPACE,<br>PERSON, THING)                            | ABNORMAL<br>OPERATION          | OPERATION                                              | STOP<br>(b3)                          |
|           |       | MODEL<br>(EQUIPMENT)                                       | OUTSIDE<br>COMFORTABLE<br>AREA | OUTSIDE<br>COMFORTABLE<br>AREA                         | INSIDE<br>COMFORTABLE<br>AREA<br>(b4) |
|           |       |                                                            | HIGH<br>HORSEPOWER             | MIDDLE<br>HORSEPOWER                                   | LOW<br>HORSEPOWER<br>(a1)             |
|           | WHERE | INSTALLATION<br>SITE                                       | NEW MODEL                      | RATHER<br>NEW MODEL                                    | OLD MODEL<br>(a2)                     |
|           | WHEN  | BUSINESS HOURS                                             | PRESIDENT'S<br>ROOM            | MEETING ROOM                                           | CORRIDOR<br>(a3)                      |
| PURPOSE   | WHO   | USER RANK                                                  | IN WORK HOURS                  | OVERTIME HOURS                                         | NIGHTTIME<br>(b5)                     |
|           | WHAT  | DEGREE OF<br>PRIORITY OF<br>SERVICE                        | BUILDING<br>MANAGER            | TENANT USER                                            | TENANT USER<br>(b6)                   |
|           |       |                                                            | ALIVE<br>MONITORING            | CONTROL<br>RELATED TO<br>COST OF DEMAND<br>OR THE LIKE | ENERGY<br>SAVING<br>CONTROL<br>(b7)   |

FIG. 9

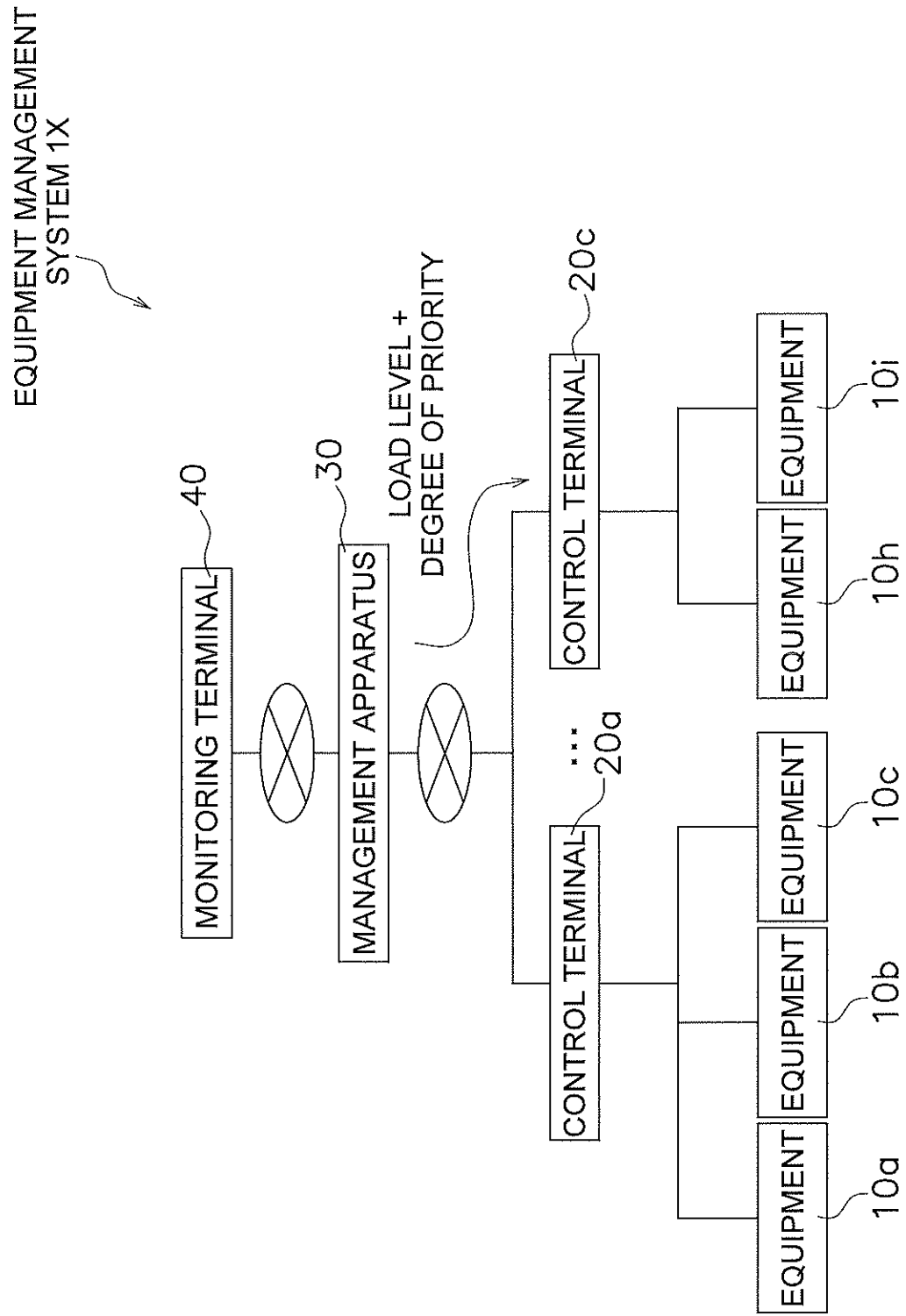


FIG. 10

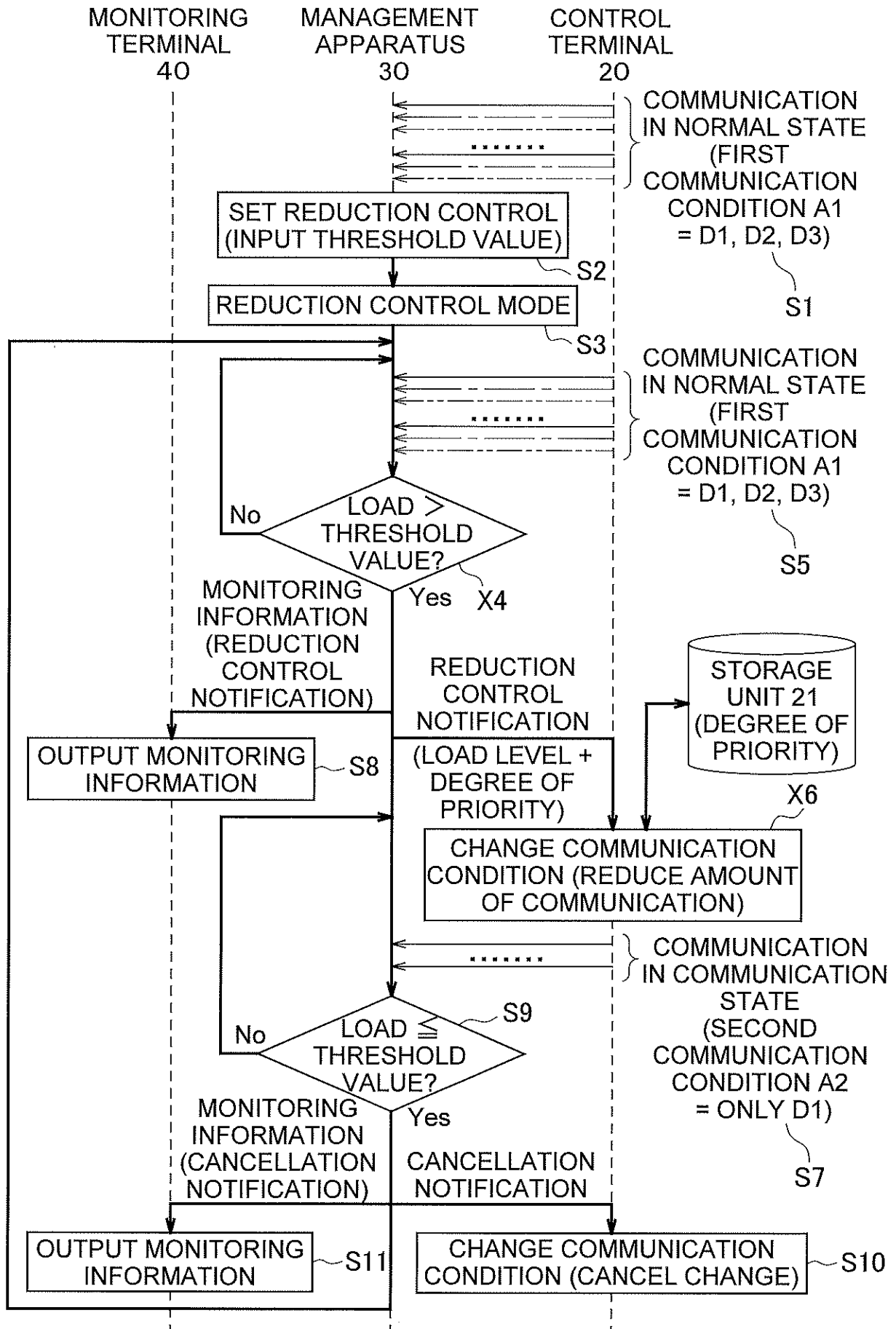


FIG. 11

| LOAD LEVEL = 5             |                                                    |             |                                           | DEGREE OF<br>PRIORITY = HIGH                                   | DEGREE OF<br>PRIORITY = MIDDLE                             | DEGREE OF<br>PRIORITY = LOW |
|----------------------------|----------------------------------------------------|-------------|-------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------|-----------------------------|
| COMMUNICATION<br>CONDITION | WHETHER<br>OR NOT<br>TO<br>REDUCE<br>DATA<br>ITEMS | STATE       | ALIVE<br>MONITORING                       | TRANSMITTABLE TO<br>MANAGEMENT<br>APPARATUS                    | PARTIALLY<br>TRANSMITTABLE<br>TO MANAGEMENT<br>APPARATUS   | STOP<br>COMMUNICATION       |
|                            |                                                    |             | STATE<br>MONITORING<br>(HIGH<br>PRIORITY) | TRANSMITTABLE TO<br>MANAGEMENT<br>APPARATUS                    | PARTIALLY<br>TRANSMITTABLE<br>TO MANAGEMENT<br>APPARATUS   | STOP<br>COMMUNICATION       |
|                            |                                                    |             | STATE<br>MONITORING<br>(LOW<br>PRIORITY)  | TRANSMITTABLE TO<br>MANAGEMENT<br>APPARATUS                    | PARTIALLY<br>TRANSMITTABLE<br>TO MANAGEMENT<br>APPARATUS   | STOP<br>COMMUNICATION       |
|                            |                                                    |             | TREND DATA                                | TRANSMITTABLE TO<br>MANAGEMENT<br>APPARATUS                    | PARTIALLY<br>TRANSMITTABLE<br>TO MANAGEMENT<br>APPARATUS   | STOP<br>COMMUNICATION       |
|                            |                                                    | INSTRUCTION | HIGH PRIORITY                             | INSTRUCTION CAN<br>BE PROVIDED FROM<br>MANAGEMENT<br>APPARATUS | PARTIALLY<br>TRANSMITTABLE<br>FROM MANAGEMENT<br>APPARATUS | STOP<br>COMMUNICATION       |
|                            |                                                    |             | LOW PRIORITY                              | INSTRUCTION CAN<br>BE PROVIDED FROM<br>MANAGEMENT<br>APPARATUS | PARTIALLY<br>TRANSMITTABLE<br>FROM MANAGEMENT<br>APPARATUS | STOP<br>COMMUNICATION       |
|                            | TRANSMISSION INTERVAL                              |             |                                           | 1 MINUTE                                                       | 5 MINUTES                                                  | STOP<br>COMMUNICATION       |
|                            | WHETHER OR NOT TO<br>DECREASE DATA ACCURACY        |             |                                           | NOT DECREASE<br>(THIRD DECIMAL PLACE)                          | INTEGER                                                    | STOP<br>COMMUNICATION       |

FIG. 12

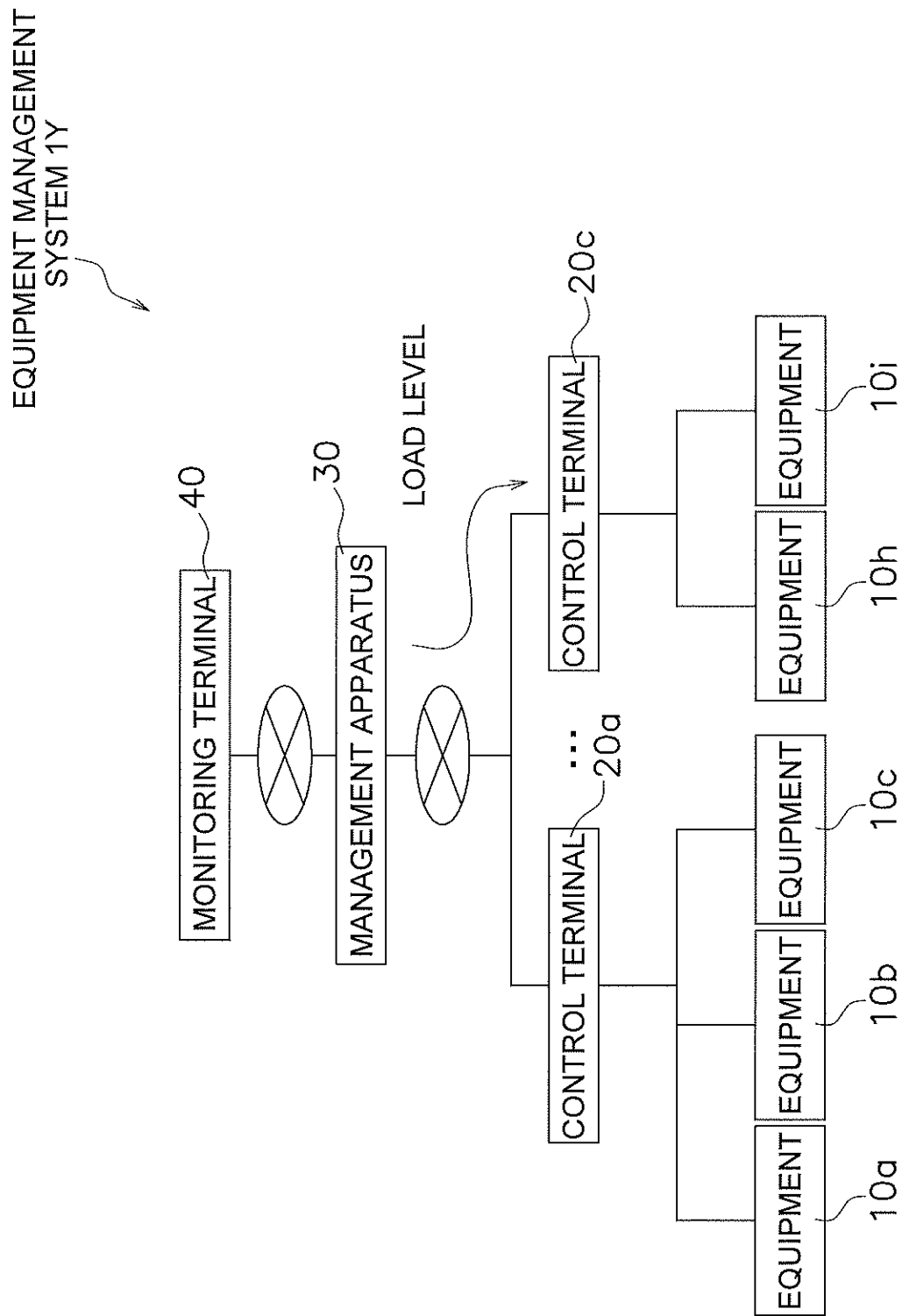


FIG. 13

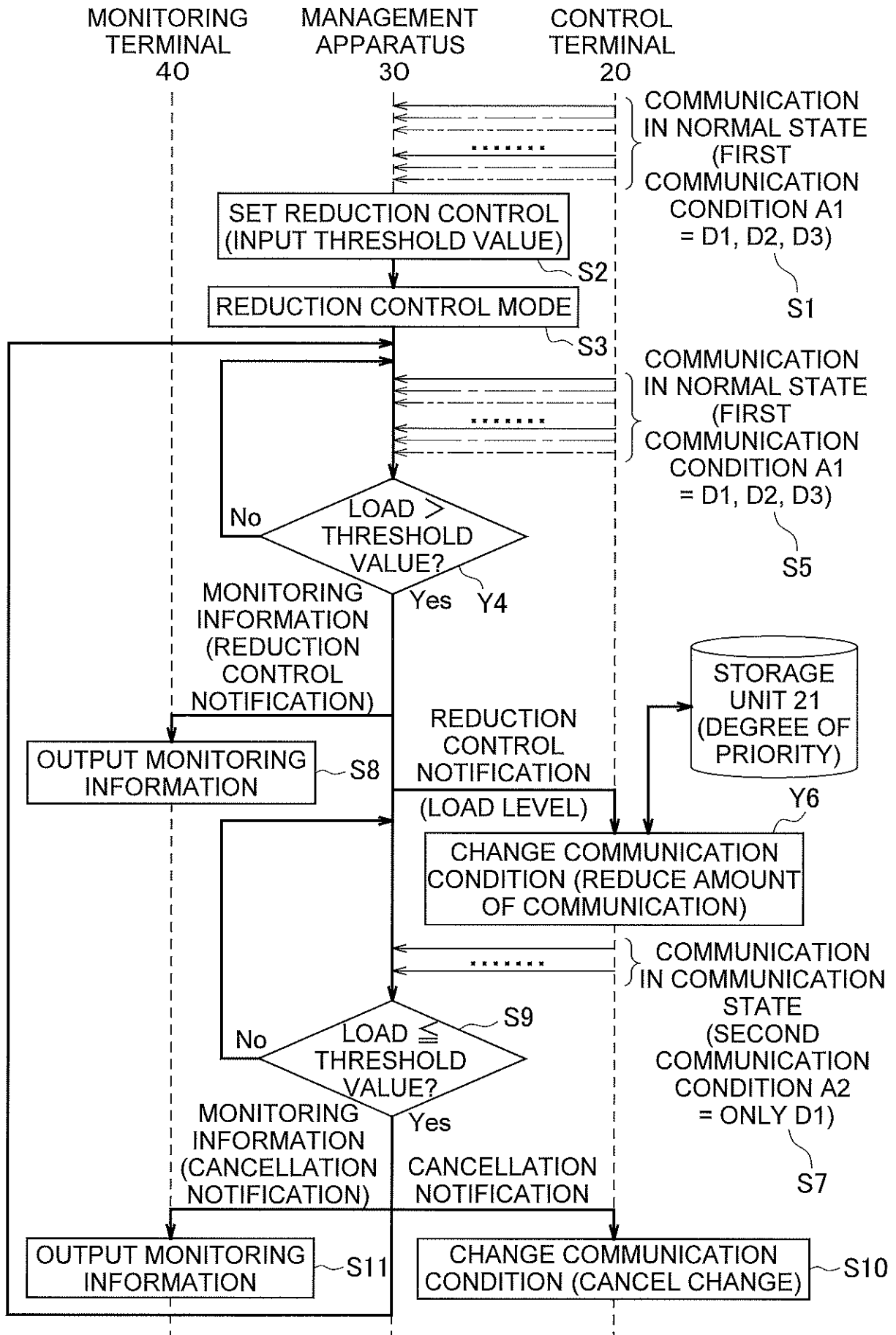


FIG. 14

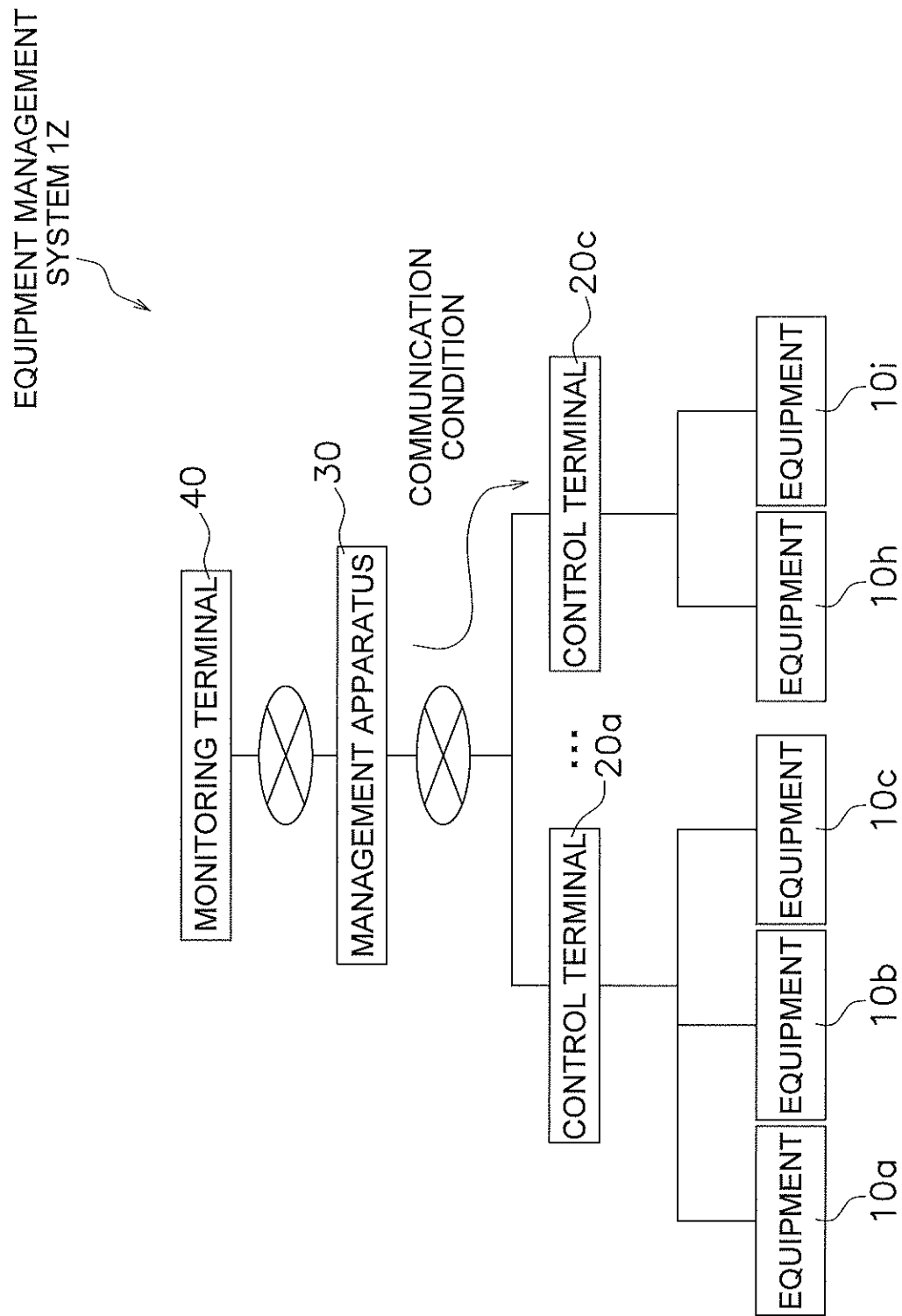


FIG. 15

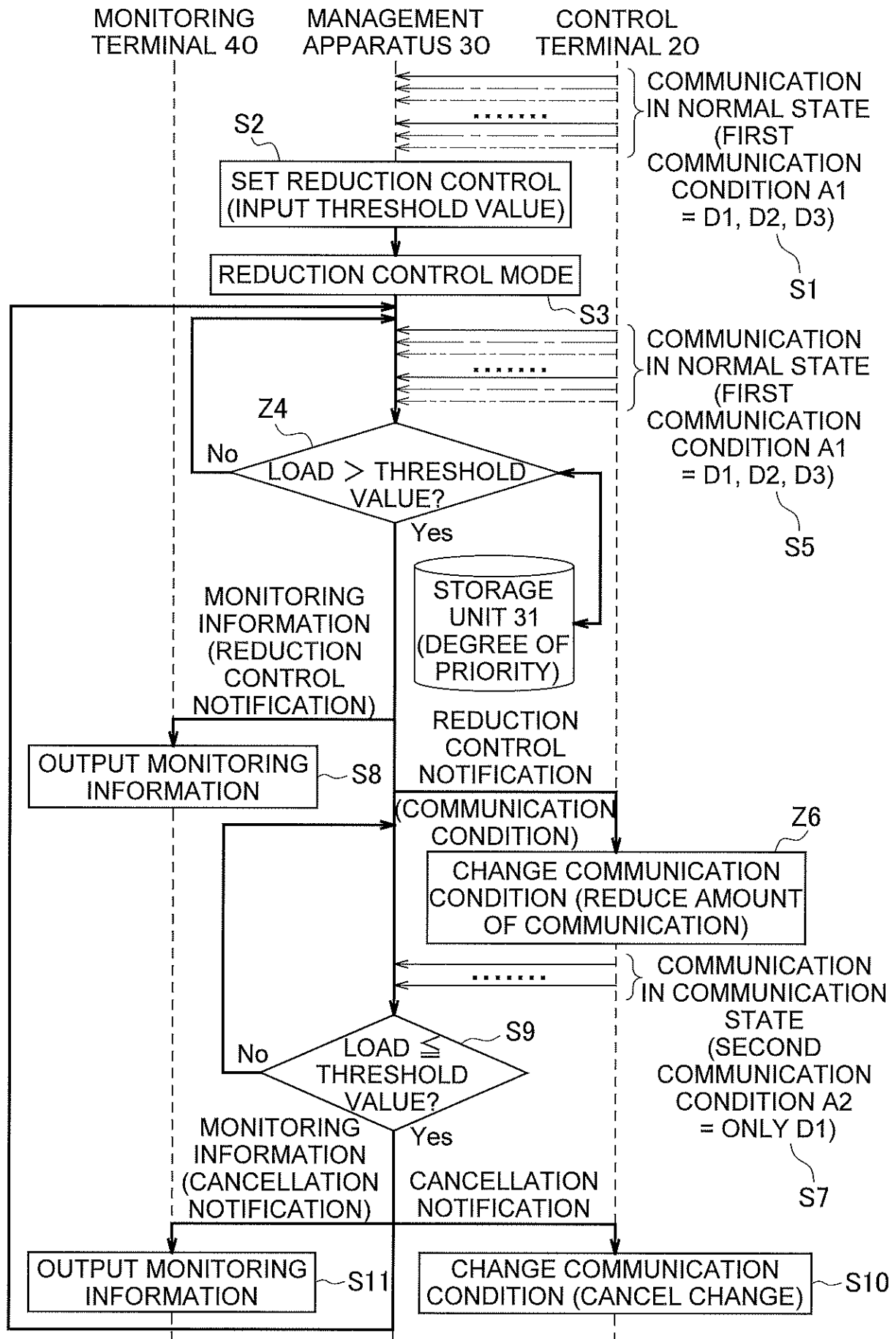


FIG. 16

| LOAD LEVEL = 5                              |                                       | DEGREE OF<br>PRIORITY = HIGH      | DEGREE OF<br>PRIORITY = MIDDLE | DEGREE OF<br>PRIORITY = LOW |
|---------------------------------------------|---------------------------------------|-----------------------------------|--------------------------------|-----------------------------|
| PROCESSING<br>IN<br>MANAGEMENT<br>APPARATUS | (a)<br>USED BY<br>BUILDING<br>MANAGER | ALIVE MONITORING                  | PARTIALLY LIMIT<br>PROCESSING  | LIMIT<br>PROCESSING         |
|                                             |                                       | ENERGY VISUALIZATION<br>FUNCTION  | PARTIALLY LIMIT<br>PROCESSING  | LIMIT<br>PROCESSING         |
|                                             |                                       | TREND DATA<br>COLLECTION FUNCTION | LIMIT<br>PROCESSING            | LIMIT<br>PROCESSING         |
|                                             |                                       | AUTOMATIC CONTROL<br>FUNCTION     | LIMIT<br>PROCESSING            | LIMIT<br>PROCESSING         |
|                                             | (b)<br>USED BY<br>R&D<br>ANALYZER     | ALIVE MONITORING                  | PARTIALLY LIMIT<br>PROCESSING  | LIMIT<br>PROCESSING         |
|                                             |                                       | ENERGY VISUALIZATION<br>FUNCTION  | LIMIT<br>PROCESSING            | LIMIT<br>PROCESSING         |
|                                             |                                       | TREND DATA<br>COLLECTION FUNCTION | PARTIALLY LIMIT<br>PROCESSING  | LIMIT<br>PROCESSING         |
|                                             |                                       | AUTOMATIC CONTROL<br>FUNCTION     | LIMIT<br>PROCESSING            | LIMIT<br>PROCESSING         |
|                                             | (c)<br>USED BY<br>END USER            | ALIVE MONITORING                  | PARTIALLY LIMIT<br>PROCESSING  | LIMIT<br>PROCESSING         |
|                                             |                                       | ENERGY VISUALIZATION<br>FUNCTION  | LIMIT<br>PROCESSING            | LIMIT<br>PROCESSING         |
|                                             |                                       | TREND DATA<br>COLLECTION FUNCTION | LIMIT<br>PROCESSING            | LIMIT<br>PROCESSING         |
|                                             |                                       | AUTOMATIC CONTROL<br>FUNCTION     | PARTIALLY LIMIT<br>PROCESSING  | LIMIT<br>PROCESSING         |

FIG. 17

| MONITORING APPLICATION         | PROCESSING LOAD |
|--------------------------------|-----------------|
| ALIVE MONITORING FUNCTION      | LOW             |
| AUTOMATIC CONTROL FUNCTION     | MIDDLE          |
| TREND DATA COLLECTION FUNCTION | SLIGHTLY HIGH   |
| ENERGY VISUALIZATION FUNCTION  | HIGH            |

FIG. 18