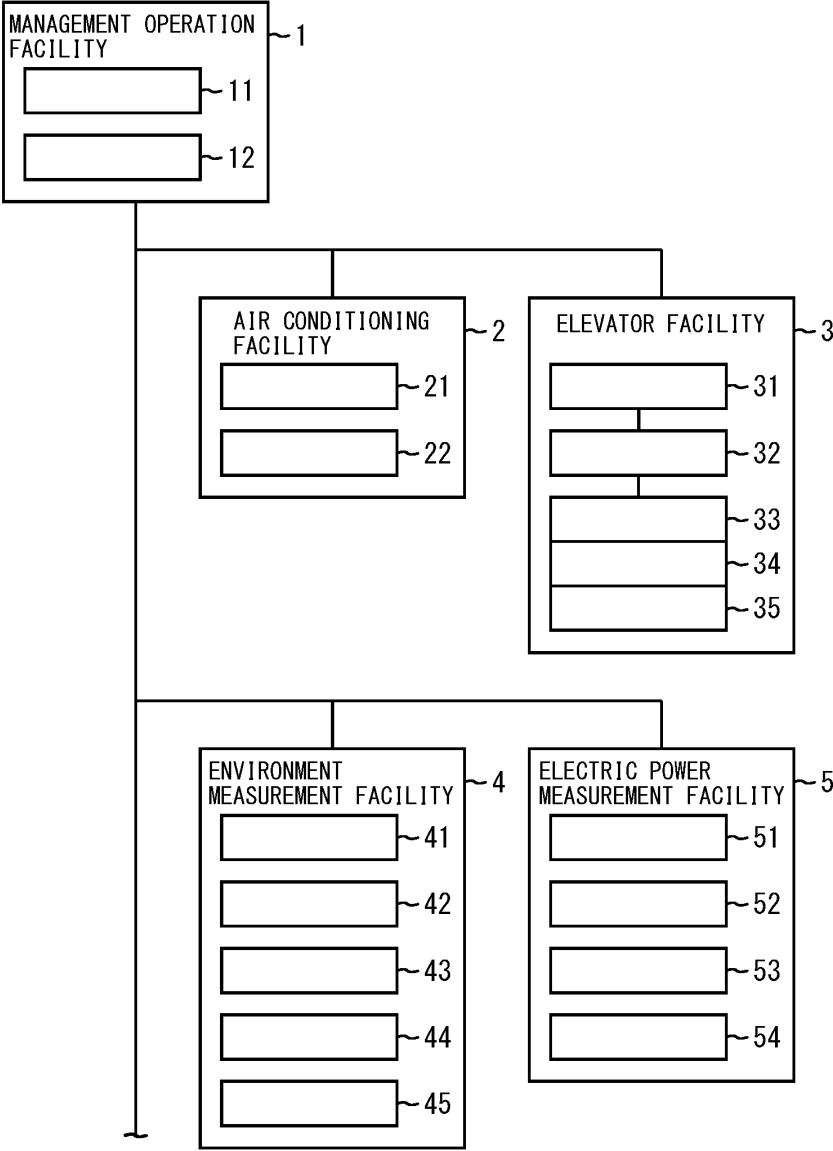


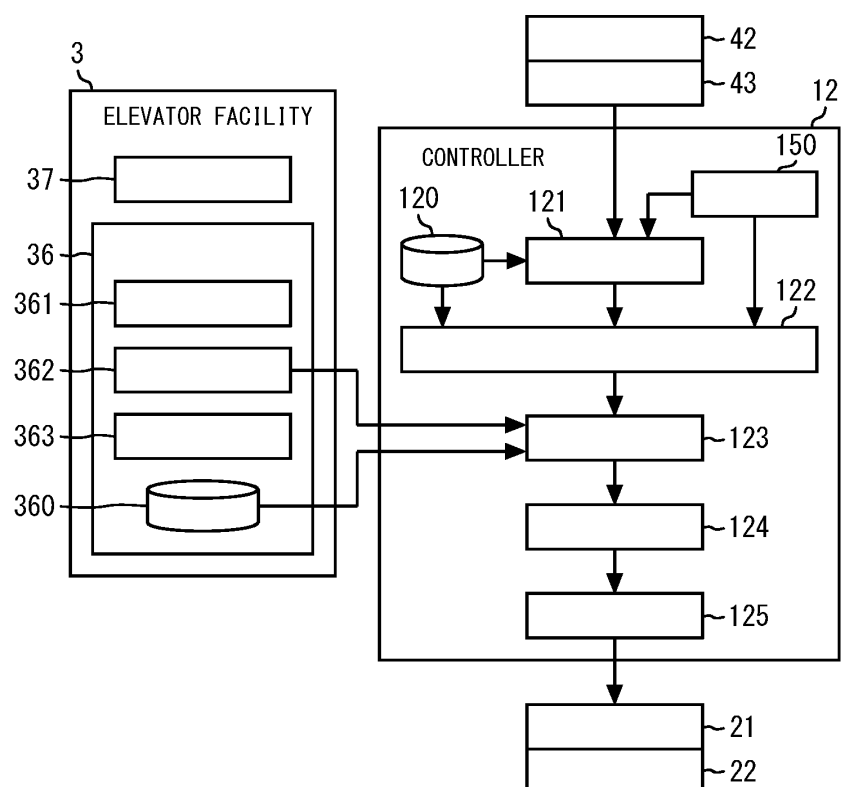
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FIG. 1



- | | | | |
|----|-------------------------|-------|------------------------------|
| 11 | DISPLAY DEVICE | 41 | INPUT/OUTPUT DEVICE |
| 12 | CONTROLLER | 42 | PYRANOMETER |
| 21 | AIR CONDITIONING DEVICE | 43-44 | THERMO-HYGROMETER |
| 22 | VENTILATION DEVICE | 45 | CO ₂ DENSITOMETER |
| 31 | COMMUNICATION DEVICE | 51 | MEASURING DEVICE |
| 32 | GROUP CONTROL PANEL | 52 | LIGHTING BOARD |
| 33 | CONTROL PANEL | 53 | POWER BOARD |
| 34 | TRACTION MACHINE | 54 | SOLAR POWER GENERATOR |
| 35 | CAR | | |

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FIG. 2

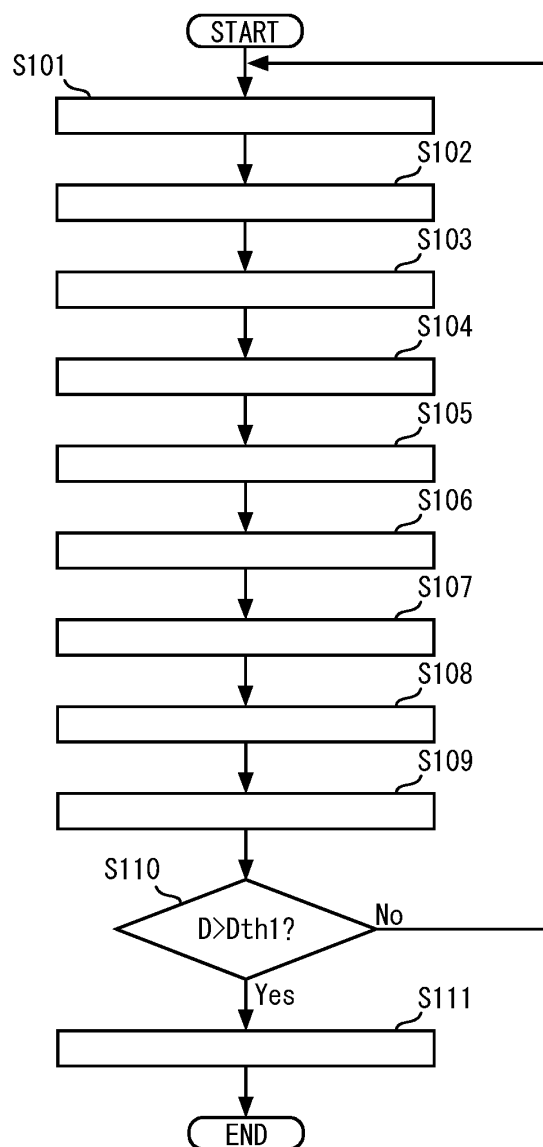


36 NUMBER-OF-PERSONS
MANAGEMENT DEVICE
37 WEIGHING DEVICE
361 DETECTION UNIT
362 CALCULATION UNIT
363 LEARNING UNIT

42 PYRANOMETER
43 THERMO-HYGROMETER
121 WEATHER ESTIMATION UNIT
122 TIME DETERMINATION UNIT
123 NUMBER-OF-PERSONS ESTIMATION UNIT
124 DETERMINATION UNIT
125 OPERATION CONTROL UNIT
150 CLOCK
21 AIR CONDITIONING DEVICE
22 VENTILATION DEVICE

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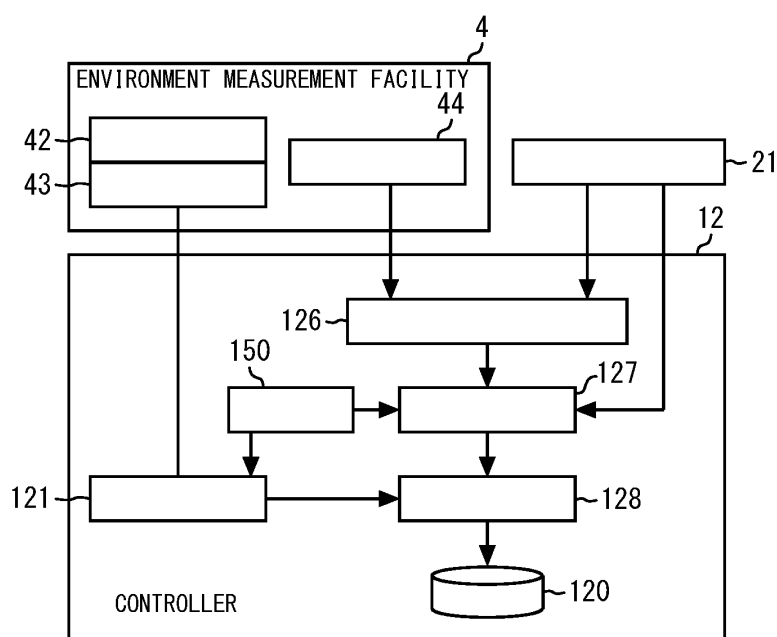
FIG. 3



S101: OBTAIN AMOUNT OF SOLAR RADIATION
 S102: OBTAIN OUTDOOR TEMPERATURE AND HUMIDITY
 S103: OBTAIN TIME
 S104: ESTIMATE WEATHER
 S105: DETERMINE TIME LAG
 S106: OBTAIN ACTUAL MEASUREMENT VALUE N1
 S107: OBTAIN ESTIMATION VALUE N2
 S108: OBTAIN ESTIMATION VALUE N3
 S109: ESTIMATE NUMBER OF PERSONS D
 S111: ACTIVATE AIR CONDITIONING DEVICE

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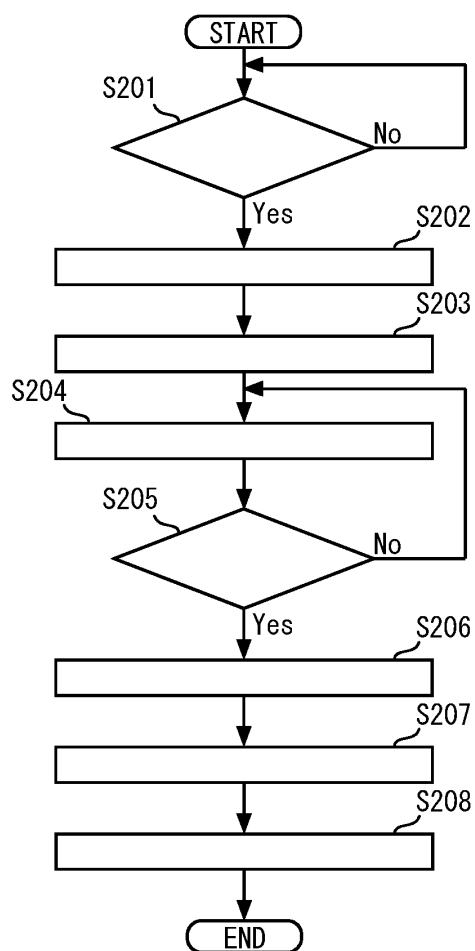
FIG. 4



- 4 ENVIRONMENT MEASUREMENT FACILITY
- 42 PYRANOMETER
- 43-44 THERMO-HYGROMETER
- 21 AIR CONDITIONING DEVICE
- 121 WEATHER ESTIMATION UNIT
- 126 DETERMINATION UNIT
- 127 DETECTION UNIT
- 128 CREATION UNIT
- 150 CLOCK

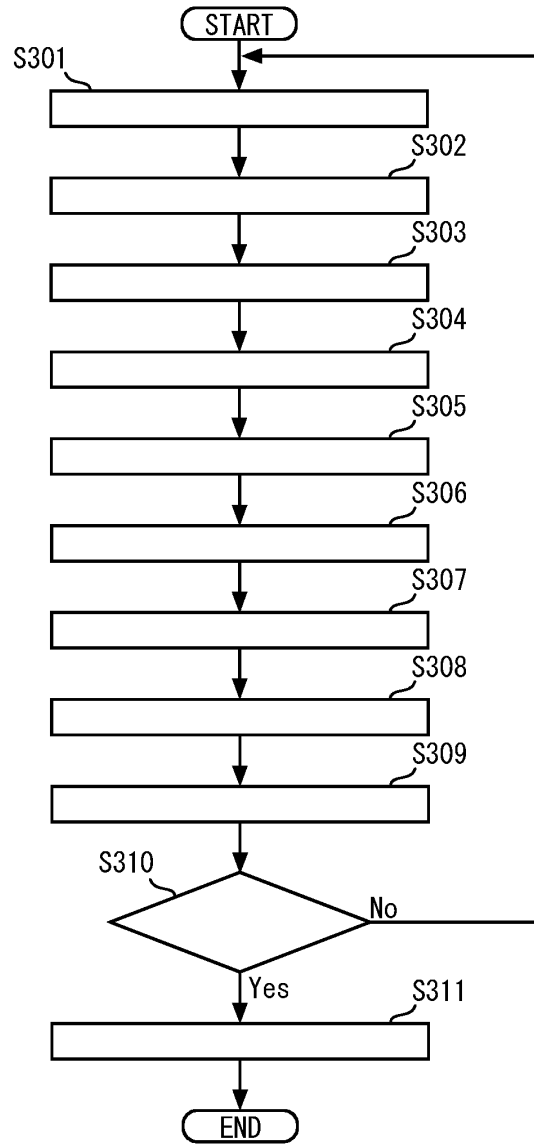
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FIG. 5



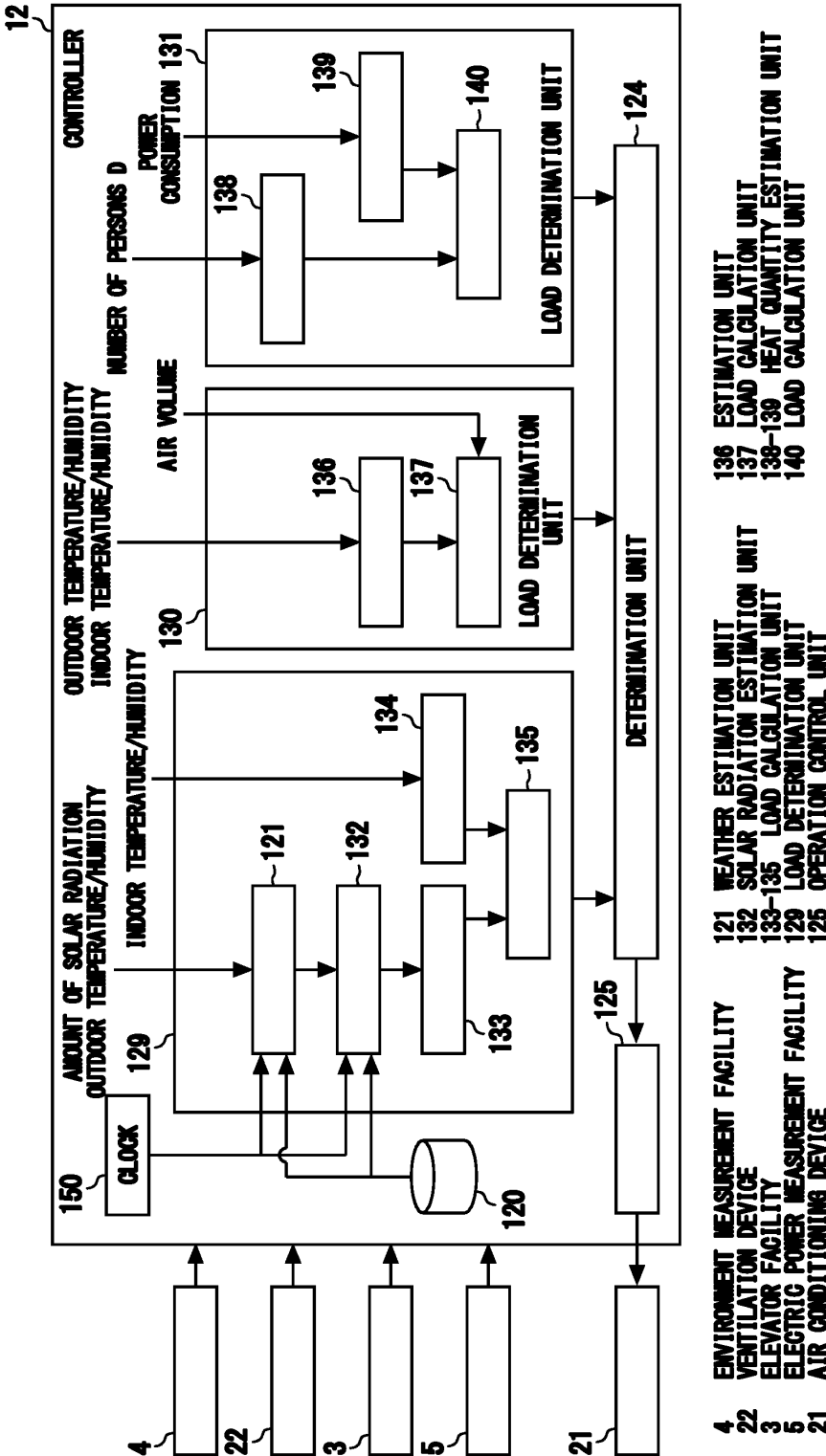
S201: AIR CONDITIONING DEVICE ACTIVATED?
 S202: START COUNTING OF TIME
 S203: OBTAIN TARGET TEMPERATURE
 S204: OBTAIN INDOOR TEMPERATURE
 S205: STABILIZED?
 S206: TERMINATE COUNTING OF TIME
 S207: ESTIMATE WEATHER
 S208: CREATE DATABASE

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FIG. 6



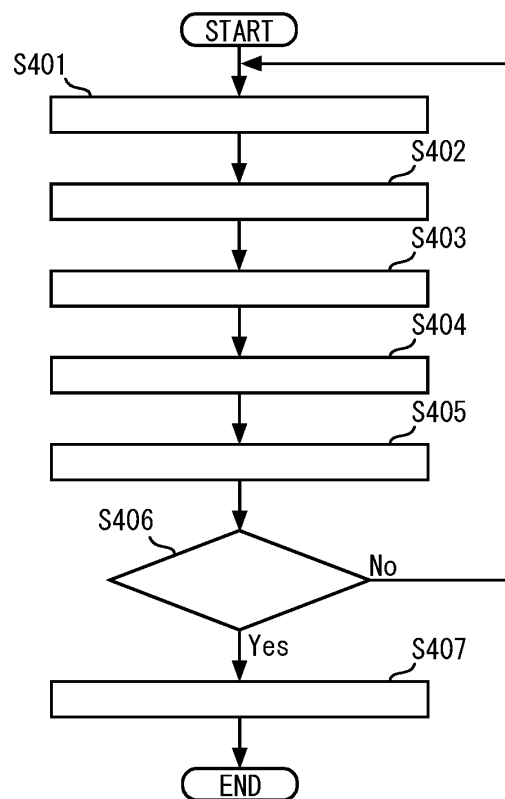
S301: OBTAIN AMOUNT OF SOLAR RADIATION
 S302: OBTAIN OUTDOOR TEMPERATURE AND HUMIDITY
 S303: OBTAIN TIME
 S304: ESTIMATE WEATHER
 S305: DETERMINE TIME LAG
 S306: OBTAIN ACTUAL MEASUREMENT VALUE N1
 S307: OBTAIN ESTIMATION VALUE N2
 S308: OBTAIN ESTIMATION VALUE N3
 S309: ESTIMATE NUMBER OF PERSONS D
 S310: CHANGE CONDITION MET?
 S311: CHANGE SETTING CONTENTS

FIG. 7



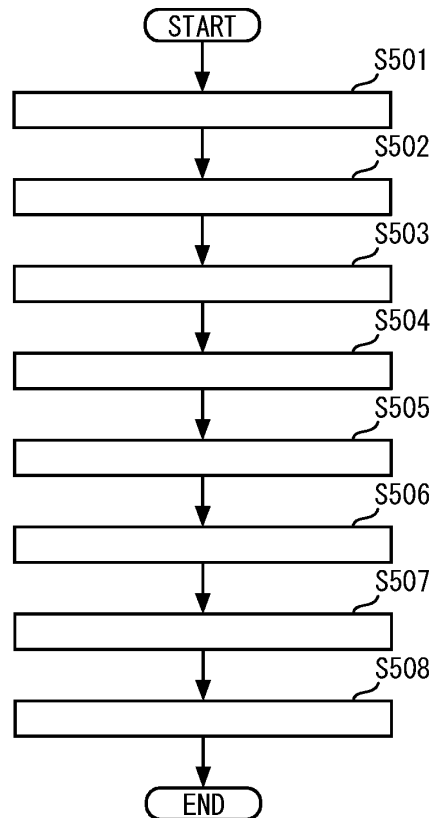
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FIG. 8



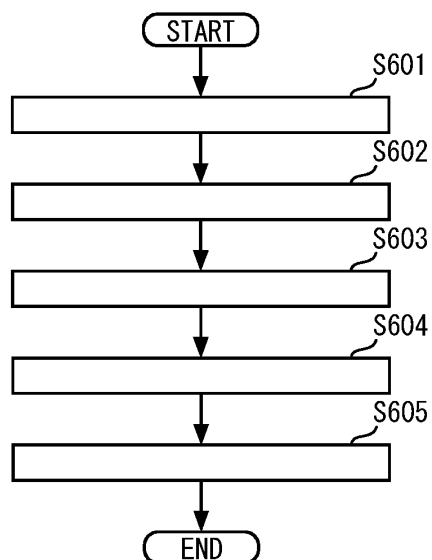
S401: DETERMINE FIRST LOAD
S402: DETERMINE SECOND LOAD
S403: DETERMINE THIRD LOAD
S404: DETERMINATION PROCESSING
S405: CHANGE SETTING CONTENTS
S406: TERMINATION CONDITION MET?
S407: UNDO SETTING CONTENTS

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FIG. 9



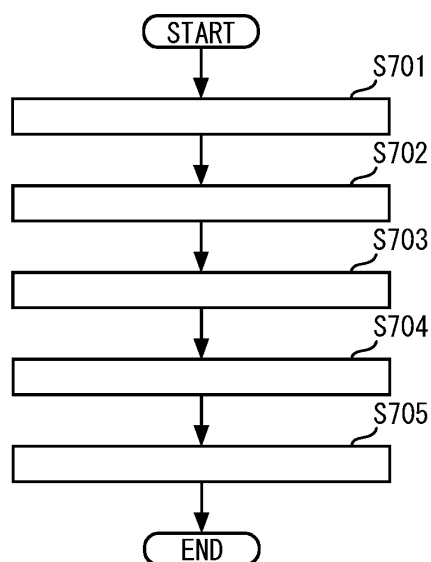
S501: OBTAIN AMOUNT OF SOLAR RADIATION
S502: OBTAIN OUTDOOR TEMPERATURE AND HUMIDITY
S503: OBTAIN TIME
S504: ESTIMATE WEATHER
S505: ESTIMATE AMOUNT OF SOLAR RADIATION IN EACH DIRECTION
S506: CALCULATE LOAD DUE TO SOLAR RADIATION
S507: CALCULATE LOAD DUE TO TEMPERATURE DIFFERENCE
S508: CALCULATE FIRST LOAD

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FIG. 10



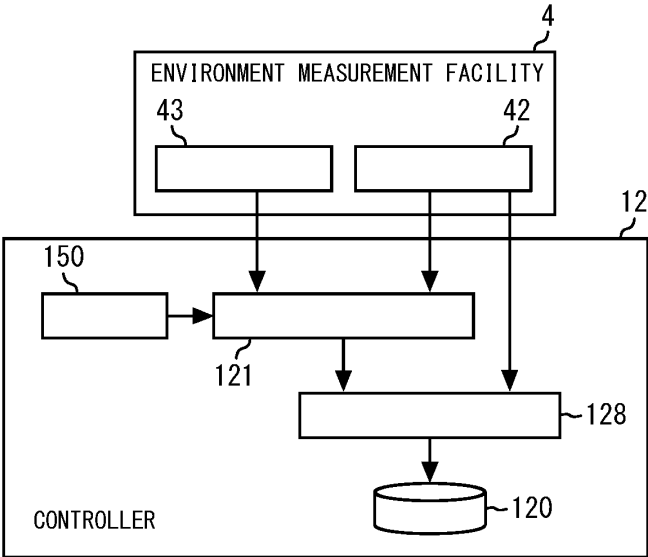
S601: OBTAIN OUTDOOR TEMPERATURE AND HUMIDITY
S602: OBTAIN INDOOR TEMPERATURE AND HUMIDITY
S603: ESTIMATE DIFFERENCE IN ENTHALPY BETWEEN INSIDE AND OUTSIDE
S604: OBTAIN AIR VOLUME
S605: CALCULATE SECOND LOAD

FIG. 11



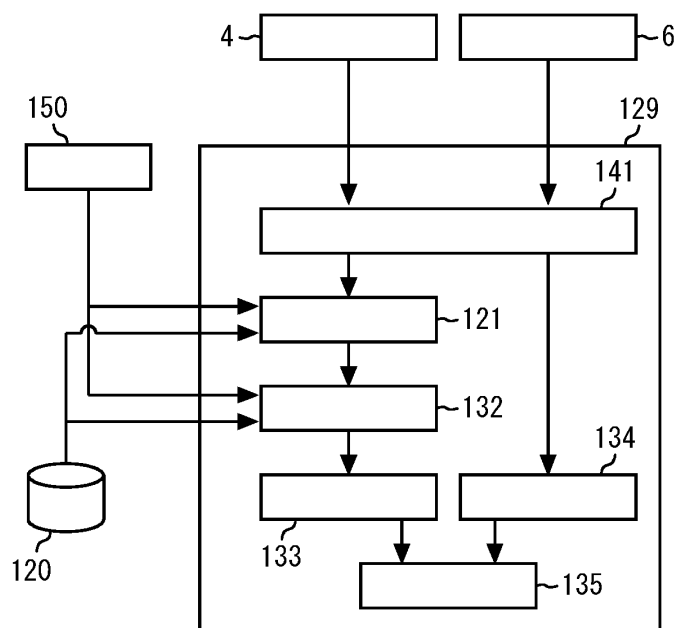
S701: OBTAIN NUMBER OF PERSONS D
S702: ESTIMATE HEAT QUANTITY Q1
S703: OBTAIN POWER CONSUMPTION
S704: ESTIMATE HEAT QUANTITY Q2
S705: CALCULATE THIRD LOAD

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FIG. 12



- 42 PYRANOMETER
- 43 THERMO-HYGROMETER
- 12 CONTROLLER
- 121 WEATHER ESTIMATION UNIT
- 128 CREATION UNIT
- 150 CLOCK

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FIG. 13



- 4 ENVIRONMENT MEASUREMENT FACILITY
- 6 WEATHER FORECAST DEVICE
- 121 WEATHER ESTIMATION UNIT
- 129 LOAD DETERMINATION UNIT
- 132 SOLAR RADIATION ESTIMATION UNIT
- 133-135 LOAD CALCULATION UNIT
- 141 ESTIMATION UNIT
- 150 CLOCK

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FIG. 14

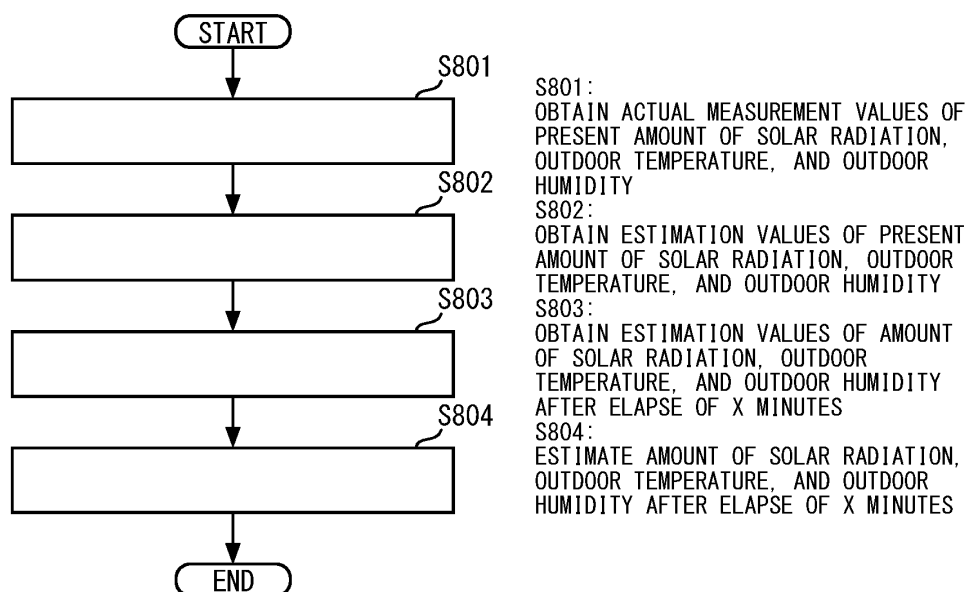
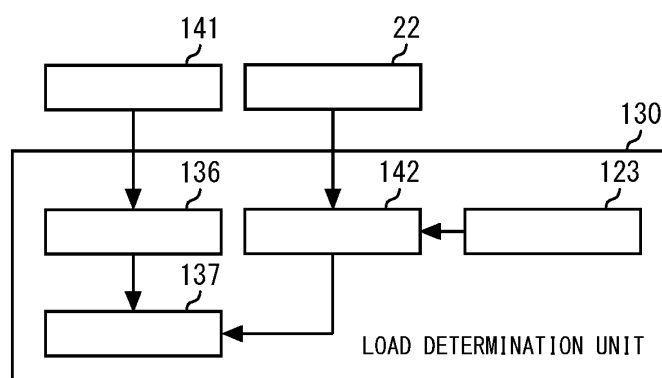
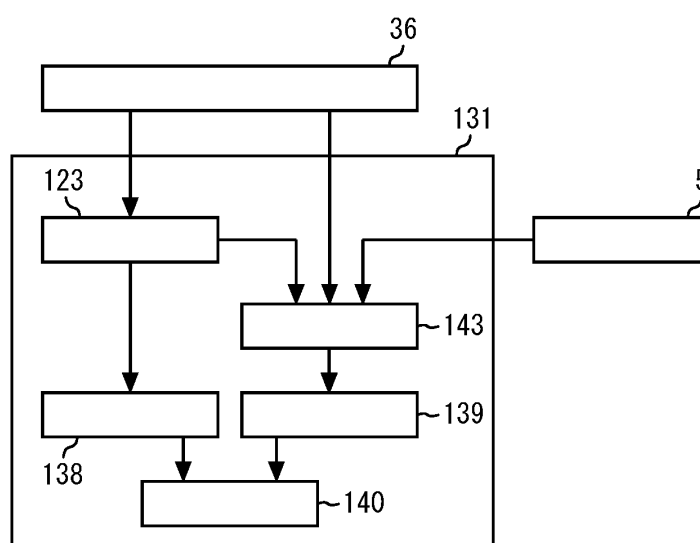


FIG. 15

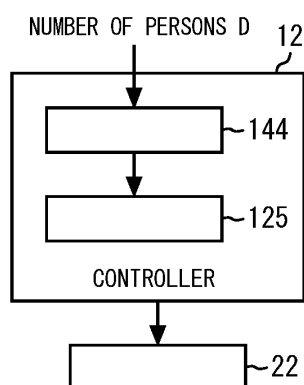


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FIG. 16



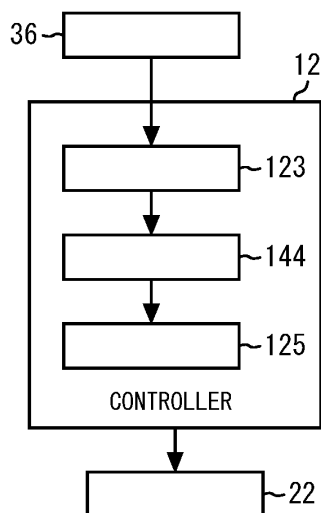
- 5 ELECTRIC POWER MEASUREMENT FACILITY
 36 NUMBER-OF-PERSONS MANAGEMENT DEVICE
 123 NUMBER-OF-PERSONS ESTIMATION UNIT
 131 LOAD DETERMINATION UNIT
 138-139 HEAT QUANTITY ESTIMATION UNIT
 140 LOAD CALCULATION UNIT
 143 ELECTRIC POWER ESTIMATION UNIT

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FIG. 17



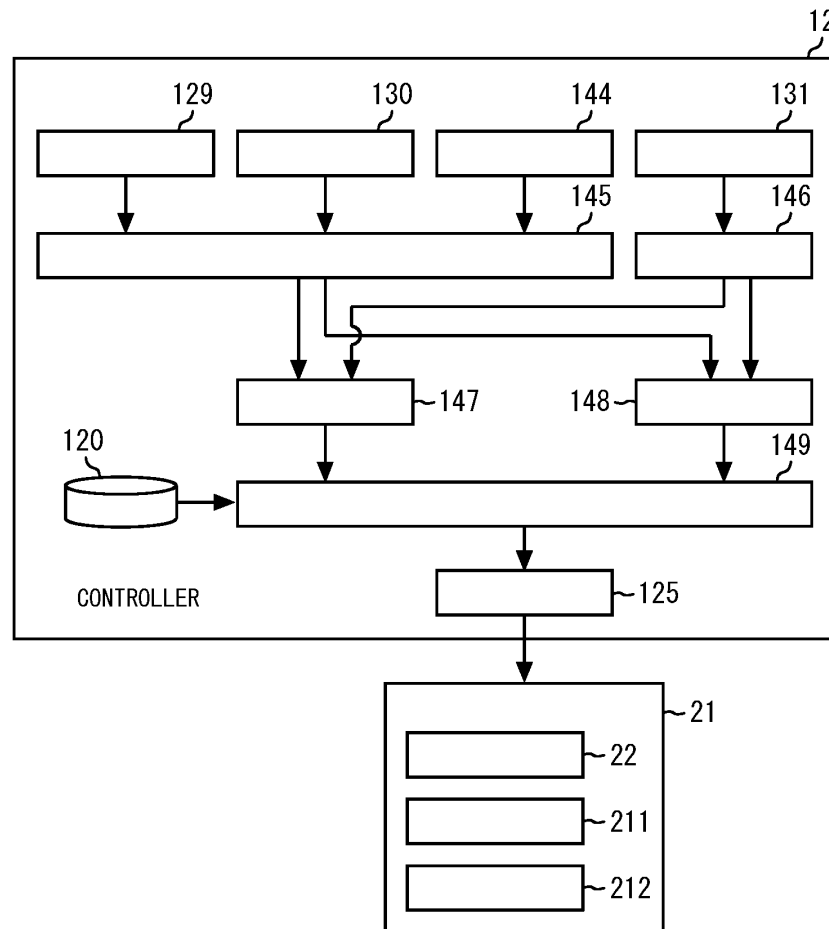
22 VENTILATION DEVICE
125 OPERATION CONTROL UNIT
144 VENTILATION AMOUNT DETERMINATION UNIT

FIG. 18



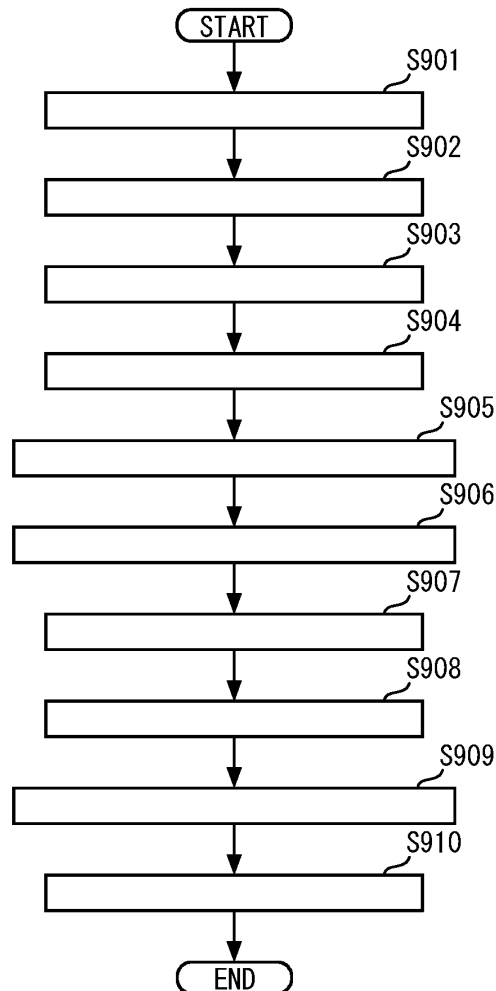
36 NUMBER-OF-PERSONS MANAGEMENT DEVIC
123 NUMBER-OF-PERSONS ESTIMATION UNIT
144 VENTILATION AMOUNT DETERMINATION UNIT
125 OPERATION CONTROL UNIT
22 VENTILATION DEVICE

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FIG. 19



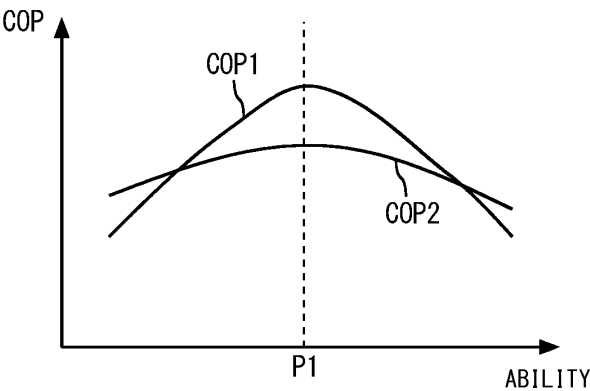
129-131 LOAD DETERMINATION UNIT
 144 VENTILATION AMOUNT DETERMINATION UNIT
 145-146 ABILITY DETERMINATION UNIT
 147 MODE DETERMINATION UNIT
 148 HUMIDIFICATION/DEHUMIDIFICATION DETERMINATION UNIT
 149 ALLOCATION DETERMINATION UNIT
 125 OPERATION CONTROL UNIT
 21 AIR CONDITIONING DEVICE
 22 VENTILATION DEVICE
 211 PRIMARY AIR CONDITIONER
 212 SECONDARY AIR CONDITIONER

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FIG. 20



S901: DETERMINE FIRST LOAD
S902: DETERMINE SECOND LOAD
S903: DETERMINE THIRD LOAD
S904: DETERMINE VENTILATION AMOUNT
S905: DETERMINE ABILITY REQUIRED FOR PRIMARY AIR CONDITIONER
S906: DETERMINE ABILITY REQUIRED FOR SECONDARY AIR CONDITIONER
S907: DETERMINE OPERATION MODE
S908: DETERMINE HUMIDIFICATION AMOUNT OR DEHUMIDIFICATION AMOUNT
S909: DETERMINE ABILITY TO BE ALLOCATED TO EACH AIR CONDITIONER
S910: CONTROL AIR CONDITIONING DEVICE

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FIG. 21



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FIG. 22

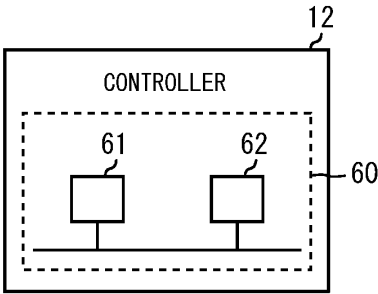


FIG. 23

