[0038] Examples of the details of operation are described below.

When a request that it is desired to lower the temperature because it is "hot" is acquired, the detail of operation is to lower an illuminance of the lighting instrument 122 and to operate (or stop) the ventilation device 123.

When a request that it is desired to raise the temperature because it is "cold" is acquired, the detail of operation is to raise the illuminance of the lighting instrument 122 and to stop (or operate) the ventilation device 123.

[0039] The control details decision unit 220 decides, for example, the details of adjustment and the details of operation as follows.

A control details table is stored in the storage unit 290 in advance. The control details table associates a plurality of types of requests and a plurality of control details with each other. Each of the control details includes the details of adjustment and the details of operation.

The control details decision unit 220 acquires from the control details table, the control details associated with the acquired request.

[0040] In step S130, the device control unit 230 controls the adjustment device according to the details of adjustment decided.

That is, the device control unit 230 controls the air conditioner and heater 121 according to the details of adjustment decided.

[0041] In step S140, the device control unit 230 controls the facility device according to the details of operation decided.

That is, the device control unit 230 controls each of the lighting instrument 122 and the ventilation device 123 according to the details of operation decided.

[0042] *** Effect of First Embodiment ***

In the first embodiment, requests (hot / cold, satisfaction / dissatisfaction, and

notified manipulation pattern from the request table.

[0053] *** Effect of Second Embodiment ***

The user can designate the request regarding the subject environment by the manipulation on the authentication terminal 111. Therefore, it is unnecessary to prepare the authentication terminal 111 for each request. Therefore, it is possible to suppress a cost of the system.

[0054] Third Embodiment.

As to a mode in which the request of the user is decided based on attributes (gender, age, and the like) of the user, mainly matters different from the first embodiment and the second embodiment will be described with reference to Figs. 8 and 9.

[0055] *** Description of Configuration ***

A configuration of the environment adjustment system 100 is the same as the configuration in the second embodiment (see Fig. 5).

A configuration of the environment adjustment apparatus 200 is the same as the configuration in the first embodiment (see Fig. 2).

[0056] *** Description of Operation ***

An environment adjustment method will be described with reference to Fig. 9.

A procedure of the environment adjustment method is the same as the procedure in the first embodiment (see Fig. 3).

However, a request acquisition process (S310) is different from the process (S110) in the first embodiment.

[0057] The request acquisition process (S310) will be described.

In step S310, the request acquisition unit 210 accepts the request regarding on the subject environment.

Specifically, the request acquisition unit 210 acquires a user identifier that identifies an approved user, from the authentication terminal 111, acquires attribute information of the approved user based on the acquired user identifier, and decides the request regarding the subject environment based on the acquired attribute information.

An admitted person identifier identifies an admitted person.

The admitted person is a user who is approved for entry.

[0058] A request acquisition process (S310) will be described with reference to Fig. 10.

In step S311, the user is authenticated using the authentication terminal 111.

For example, the authentication terminal 111 includes a card reader, and the user holds the ID card over the card reader.

[0059] In step S312, the authentication terminal 111 performs an authentication process.

When the entry of the user is approved in the authentication process, the authentication terminal 111 notifies the environment adjustment apparatus 200 of an identifier of the user. The notified identifier is referred to as an "admitted-person identifier". A user identified by the admitted-person identifier is referred to as an "admitted person".

[0060] In step S313, when the request acquisition unit 210 receives the notification of the admitted-person identifier, the request acquisition unit 210 acquires the attribute information of the admitted person based on the notified admitted-person identifier.

[0061] The request acquisition unit 210 acquires, for example, the attribute information of the admitted person as follows.

A user database is stored in the storage unit 290 in advance. The user database has user data for each user. The user data includes the user identifier and the

CLAIMS

[Claim 1] An environment adjustment system comprising:

one authentication terminal;

a request acquisition unit to determine, among a plurality of types of requests associated with a plurality of manipulation patterns for authentication manipulation on the one authentication terminal, a request associated with a manipulation pattern performed on the one authentication terminal, as a request regarding a subject environment which is one type of indoor environment to be adjusted;

a control details decision unit to decide, based on the determined request, details of adjustment by an adjustment device which is for adjusting the subject environment, and details of operation of a facility device which is a device of a different type from the adjustment device and affects the subject environment; and

a device control unit to control the adjustment device according to the details of adjustment decided, and control the facility device according to the details of operation decided.

[Claim 2] The environment adjustment system according to claim 1,

wherein the plurality of manipulation patterns are classified according to at least one of manipulation time spent on the authentication manipulation and the number of times of manipulation that the authentication manipulation is performed.

[Claim 3] The environment adjustment system according to claim 1 or 2, comprising a request arbitration unit,

wherein the request acquisition unit acquires a plurality of requests of a

plurality of users,

wherein the request arbitration unit decides the request regarding the subject environment based on the plurality of requests acquired, and

wherein the control details decision unit decides the details of adjustment and the details of operation based on the decided request.

[Claim 4] The environment adjustment system according to any one of claims 1 to 3, comprising:

a management terminal capable of controlling each of the adjustment device and the facility device; and

a request visualization unit to display the request regarding the subject environment on the management terminal.

[Claim 5] The environment adjustment system according to any one of claims 1 to 4, comprising an authentication terminal in each of a plurality of areas,

wherein the device control unit controls an adjustment device and a facility device in an area which includes an authentication terminal which has been used.

[Claim 6] An environment adjustment method comprising:

determining, by a request acquisition unit, among a plurality of types of requests associated with a plurality of manipulation patterns for authentication manipulation on one authentication terminal, a request associated with a manipulation pattern performed on the one authentication terminal, as a request regarding a subject environment which is one type of indoor environment to be adjusted;

deciding, by a control details decision unit, based on the determined request,

details of adjustment by an adjustment device which is for adjusting the subject environment, and details of operation of a facility device which is a device of a different type from the adjustment device and affects the subject environment; and

controlling, by a device control unit, the adjustment device according to the details of adjustment decided, and controlling the facility device according to the details of operation decided.

[Claim 7] An environment adjustment program which causes a computer to execute:

a request acquisition process of determining, among a plurality of types of requests associated with a plurality of manipulation patterns for authentication manipulation on one authentication terminal, a request associated with a manipulation pattern performed on the one authentication terminal, as a request regarding a subject environment which is one type of indoor environment to be adjusted;

a control details decision process of deciding, based on the determined request, details of adjustment by an adjustment device which is for adjusting the subject environment, and details of operation of a facility device which is a device of a different type from the adjustment device and affects the subject environment; and

a device control process of controlling the adjustment device according to the details of adjustment decided, and controlling the facility device according to the details of operation decided.