

Description

METHOD FOR CONTROLLING INFORMATION APPARATUS AND PROGRAM

Technical Field

[0001] The present disclosure relates to a method for controlling an information apparatus and a program.

Background Art

[0002] Technologies for remotely monitoring or remotely controlling one or more target devices using one remote controller are proposed.

[0003] Patent Document 1 discloses a technology for remotely operating one or more target devices from a monitor of a television set. Specifically, icons for the one or more target devices are displayed on the right side of a monitor screen. When a desired one of the icons is selected (i), a floor plan is displayed on the left side of the monitor screen (ii). When a pointer is moved to the location of installation of a target device desired to be operated in the floor plan (iii), an operation screen for the target device selected by moving the pointer is displayed on the monitor screen (iv) (paragraphs [0138] to [0140] and Figs. 25A and 25B).

[0004] However, Patent Document 1 described above needs a further improvement.

[0005] Patent Document 1: Japanese Patent Application Laid-open No. 2007-104567

Summary of the Invention

[0006] In order to address the foregoing issue, an aspect of the present invention provides a method for controlling an information apparatus, the information apparatus having a display and being connected to a network, one or more target devices being controlled over the network, the method causing a computer of the information apparatus to: display a display screen on the display, the display screen representing each of rooms included in a building; display device icons on the display in units of each room represented on the display screen, each of the device icons representing each of the one or more target devices; when a selection of a first device icon representing a first target device among the one or more target devices is sensed, display a room screen on the display, the room screen representing a room corresponding to the selected first device icon, the displayed room screen including a first operation screen for operating the first target device ~~and a second operation screen for operating a second target device~~, the first target device corresponding to the selected first

~~device icon, the second target device corresponding to a second device icon other than the selected first device icon, the second target device being arranged in a room represented on the room screen; and output to the network a first control command controlling the first target device based on an operation on the first operation screen or a second control command controlling the second target device based on an operation on the second operation screen.~~

[0007] According to the aspect described above, it is possible to embody a further improvement.

Brief Description of the Drawings

[0008] Fig. 1 is a diagram showing an overall configuration of a home control system to which a home controller according to an embodiment of the present invention is applied.

Fig. 2 is a diagram showing main devices to be controlled by the home controller according to an embodiment of the present invention.

Fig. 3 is a block diagram showing the configuration of the home controller, a device, and a server according to an embodiment of the present invention.

Fig. 4 is a diagram showing a configuration example of the form of implementation of the home controller according to an embodiment of the present invention.

Fig. 5 is a diagram showing an example of a basic screen of the home controller according to an embodiment of the present invention.

Fig. 6 is a diagram showing an example of a room screen that is displayed on a display of a home controller according to an embodiment of the present invention.

Fig. 7 is a diagram showing an example of a detail control screen that is displayed on a display of a home controller according to an embodiment of the present invention.

Fig. 8 is a diagram showing another example of a detail control screen that is displayed on a display of a home controller according to an embodiment of the present invention.

Fig. 9 is a diagram showing an example of transition of a display screen on a display according to an embodiment of the present invention.

Fig. 10 is a diagram showing an example of transition of a display screen on a display according to an embodiment of the present invention.

Fig. 11 is a diagram showing an example of transition of a display screen on a display according to an embodiment of the present invention.

Fig. 12 is a diagram showing an example of transition of a display screen on a display according to an embodiment of the present invention.

controller according to an embodiment of the present invention.

Fig. 49 is a diagram showing another display example of the room screen shown in Fig. 6 according to an embodiment of the present invention.

Description of Embodiments

[0009] (Circumstances leading to the invention of an aspect of the present disclosure)

First, viewpoints of an aspect according to the present disclosure will be described.

[0010] In Patent Document 1 described above, when a device icon corresponding to a target device to be operated among a floor plan is selected, an operation screen of a target device corresponding to the selected device icon is displayed. When the operation screen of a target device is displayed, device icons corresponding to devices other than the target device corresponding to the selected device icon are not displayed.

[0011] Due to the configuration described above, with Patent Document 1, device icons which correspond to devices other than the target device corresponding to the selected device icon and which are arranged in a same room as the target device cannot be displayed in a state where the operation screen of the target device is being displayed.

[0012] Therefore, in order to display an operation screen of another device that is arranged in the same room, one must first return to the display screen presenting the floor plan to select a device icon corresponding to the other device.

[0013] Based on the considerations described above, the present inventors arrived at the respective aspects of the present invention as presented below.

[0014] A method according to an aspect of the present disclosure is a method for controlling an information apparatus, the information apparatus having a display and being connected to a network, one or more target devices being controlled over the network,

the method causing a computer of the information apparatus to:

display a display screen on the display, the display screen representing each of rooms included in a building;

display device icons on the display in units of each room represented on the display screen, each of the device icons representing each of the one or more target devices;

when a selection of a first device icon representing a first target device among the one or more target devices is sensed, display a room screen on the display, the room screen representing a room corresponding to the selected first device icon, the displayed room screen including a first operation screen for operating the first target device ~~and a second operation screen for operating a second target device~~, the first target device corresponding to the

~~selected first device icon, the second target device corresponding to a second device icon other than the selected first device icon, the second target device being arranged in a room represented on the room screen; and~~

~~output to the network a first control command controlling the first target device based on an operation on the first operation screen or a second control command controlling the second target device based on an operation on the second operation screen.~~

[0015] ~~According to the aspect described above, when the first device icon is selected, not only a first control screen corresponding to the first device icon but a second operation screen for operating a second target device is also displayed on the display, the second target device corresponding to a second device icon other than the selected first device icon, the second target device being arranged in a room represented on the room screen.~~

[0016] ~~Accordingly, when the first device icon is selected, the second target device other than the first target device which is arranged in the same room can be operated in a unit of a room corresponding to the first device icon.~~

[0017] ~~Therefore, in order to operate the second target device that is arranged in the same room, the second target device can be operated in a state where the room screen is still being displayed instead of returning to the display screen representing the respective rooms included in the building and selecting the second device icon. As a result, operations in a case where a plurality of target devices are arranged in the same room can be simplified.~~

[0018] In addition, in the aspect described above, for example,

the first operation screen may include a first operation button for causing a first extended operation screen to be displayed, the first extended operation screen being used for operating instructions other than instructions operable by the first operation screen, and

when it is determined that selection of the first operation button is sensed, the first extended operation screen may be displayed on the display.

[0019] According to the present aspect, the first operation screen can be included in the displayed room screen for a part of the instructions to the first target device, whereas the first extended operation screen can be separately displayed for remaining instructions. Therefore, for example, by including frequently used instructions in the first operation screen, a size of the first operation screen can be reduced. Accordingly, for example, even in a case including a target device that is installed in a large number such as an illumination device or an air conditioner, a larger number of operation screens can be displayed in a limited display area. On the other hand, for example, less frequently used instructions can be accommodated by separately displaying the first extended operation screen.

[0020] In addition, in the aspect described above, for example, a ~~third~~ second control command may be outputted to the network based on an operation on the first extended operation screen, the ~~third~~ second control command controlling the first target device. In addition, in the aspect described above, for example,

the displayed room screen may include a second operation screen for operating a second target device, the second target device corresponding to a second device icon other than the selected first device icon, the second target device being arranged in the room represented on the room screen, and

a third control command may be outputted to the network based on an operation on the second operation screen, the third control command controlling the second target device.

According to the aspect described above, when the first device icon is selected, not only a first control screen corresponding to the first device icon but a second operation screen for operating a second target device is also displayed on the display, the second target device corresponding to a second device icon other than the selected first device icon, the second target device being arranged in a room represented on the room screen.

Accordingly, when the first device icon is selected, the second target device other than the first target device which is arranged in the same room can be operated in a unit of a room corresponding to the first device icon.

Therefore, in order to operate the second target device that is arranged in the same room, the second target device can be operated in a state where the room screen is still being displayed instead of returning to the display screen representing the respective rooms included in the building and selecting the second device icon. As a result, operations in a case where a plurality of target devices are arranged in the same room can be simplified.

[0021] In addition, in the aspect described above, for example,

the second operation screen may include a second operation button for causing a second extended operation screen to be displayed, the second extended operation screen being used for operating instructions other than instructions operable by the second operation screen, and

when it is determined that selection of the second operation button is sensed, the second extended operation screen may be displayed on the display.

[0022] According to the present aspect, the second operation screen can be included in the displayed room screen for a part of the instructions to the second target device, whereas, the second extended operation screen can be separately displayed for remaining instructions.

Therefore, for example, by including frequently used instructions in the second operation screen, a size of the second operation screen can be reduced. Accordingly, for example, even in a case including a target device that is installed in a large number such as an illumination device or an air conditioner, a larger number of operation screens can be displayed in a limited display area. On the other hand, for example, less frequently used instructions can be accommodated by separately displaying the second extended operation screen.

[0023] In addition, in the aspect described above, for example, a fourth control command may be outputted to the network based on an operation on the second extended operation screen, the fourth control command controlling the second target device.

[0024] Furthermore, in the aspect described above, for example, the second device icon may be a device icon representing a target device of a same type as the first device icon.

[0025] In addition, in the aspect described above, for example, the second device icon may be a device icon representing a target device of a type that differs from the first device icon.

[0026] Furthermore, in the aspect described above, for example, the room screen may include a display field for displaying power consumption of the corresponding room.

[0027] In addition, in the aspect described above, for example, the information apparatus may be connected to a management apparatus via a network, the management apparatus managing the power consumption of each of the one or more rooms in units of each room, power information may be acquired from the management apparatus, the power information indicating the power consumption of each of the one or more rooms. In this case, the power

be configured to be capable of simultaneously controlling a plurality of the devices 200 by operations performed on the single device icon 501 representing the devices 200.

[0069] Fig. 6 is a diagram showing an example of a room screen 540 displayed on the display 101 of the home controller 100. When the user selects the device icon 501 included in the room icon 502 on the basic screen shown in Fig. 5, the touch panel control section 102 senses the selection thereof. As a result, the display control section 103 displays a room screen 540 representing a room corresponding to the selected device icon 501 on the display 101 so as to overlap with the floor plan 500.

[0070] The room screen 540 includes the display field 600 for displaying power consumption of the room, the next page button 506, the return button 507, and operation screens 541, 542, 544, and 545. A name or an abbreviated name of the room (the living room in Fig. 6) is described at center in an upper part of the room screen 540. Based on power consumption 1504 in room information 1500 (Fig. 17B), the display control section 103 displays the power consumption of the room (the living room in Fig. 6) in the display field 600.

[0071] When the touch panel control section 102 senses the selection of the next page button 506 by the user, the display control section 103 scrolls the operation screens 541, 542, 544, and 545 and displays an operation screen for controlling the other devices 200 installed in the room on the display 101.

[0072] The operation screen 544 at the left end in Fig. 6 is an operation screen for controlling settings of all of the devices 200 that are installed in the room. The operation screen 544 includes a description that reads “all devices (collective control)”. The operation screen 544 will be described later.

[0073] The operation screens 541, 542, and 545 that are arranged to the right of the operation screen 544 are screens to be operated in order to control the devices 200. A name or an abbreviated name of a corresponding device is described at center in an upper part of the operation screens 541, 542, and 545. In Fig. 6, the operation screen 541 that is immediately adjacent to the right of the operation screen 544 is an operation screen for controlling a first air conditioner 201 installed in the room. The operation screen 541 includes a description that reads “air conditioner 1”.

[0074] The operation screen 542 at the second from the right in Fig. 6 is an operation screen for controlling a second air conditioner 201 installed in the room. This operation screen 542 includes a description that reads “air conditioner 2”. The operation screen 545 at the right end in Fig. 6 is an operation screen for controlling the illumination device 202 installed

in the

generates a control command (an example of the first control command) for turning off the power supply of the first air conditioner in the living room. The device control section 106 transmits the generated control command to the first air conditioner in the living room via the communication control section 107 and the network. In addition, the display control section 103 restores the “on” button of the simple control button 503 of the operation screen 541 of the first air conditioner to a default color and changes the color of the “off” button.

[0080] In Fig. 6, for example, when the user selects the “on” button of the simple control button 503 of the operation screen 542 (an example of the second operation screen) of the second air conditioner (an example of the second target device) which differs from a device corresponding to the device icon 501 at the left end that has been selected on the basic screen shown in Fig. 5, the touch panel control section 102 senses the selection thereof. As a result, the device control section 106 generates a control command (an example of the ~~second~~ third control command) for turning on the power supply of the second air conditioner in the living room. The device control section 106 transmits the generated control command to the second air conditioner in the living room via the communication control section 107 and the network. In addition, the display control section 103 restores the “off” button of the simple control button 503 of the operation screen 542 of the second air conditioner to a default color and changes the color of the “on” button.

[0081] In Fig. 6, for example, when the user selects the “off” button of the simple control button 503 of the operation screen 545 (an example of the second operation screen) of the illumination device (an example of the second target device) which differs from a device corresponding to the device icon 501 at the left end that has been selected on the basic screen shown in Fig. 5, the touch panel control section 102 senses the selection thereof. As a result, the device control section 106 generates a control command (an example of the ~~second~~ third control command) for turning off the power supply of the illumination device in the living room. The device control section 106 transmits the generated control command to the illumination device in the living room via the communication control section 107 and the network. In addition, the display control section 103 restores the “on” button of the simple control button 503 of the operation screen 545 of the illumination device to a default color and changes the color of the “off” button.

[0082] Fig. 7 is a diagram showing an example of the detail control screen 522 displayed on the display 101 of the home controller 100. When the user selects the detail setting button 504 of any of the operation screens 541, 542, and 545 in a state where the operation screens 541, 542, and 545 are displayed on the display 101 as shown in Fig. 6, the touch panel control

section 102 senses the selection thereof. As a result, the display control section 103 displays the detail control screen 522 of a device 200 corresponding to the selected operation screen 541, 542, or 545 on the display 101 so as to overlap with the floor plan 500.

[0083] In Fig. 6, for example, when the user selects the detail setting button 504 (an example of the first operation button) of the operation screen 541 of the first air conditioner corresponding to the device icon 501 at the left end that has been selected on the basic screen shown in Fig. 5, the touch panel control section 102 senses the selection thereof. As a result, as shown in Fig. 7, the display control section 103 displays the detail control screen 522 (an example of the first extended operation screen) of the first air conditioner on the display 101.

[0084] As shown in Fig. 7, the detail control screen 522 includes the detail control button 505 and a close button 508. The detail control button 505 is a button for controlling a state of the device 200 in detail. In Fig. 7, since the device 200 is an air conditioner, the detail control screen 522 includes a detail control button 505 for setting temperature, a detail control button 505 for setting air flow direction, and a detail control button 505 for setting air volume.

[0085] In addition, the display control section 103 controls a display state of the detail control buttons 505 according to a status of the device 200 that is managed by the device management section 105. Fig. 7 shows that the first air conditioner in the living room is set to a temperature of “28°C”, an air flow direction of “downward”, and an air volume of “medium”. Accordingly, the user can readily learn a detailed current status of the first air conditioner.

[0086] When the user selects the detail control button 505 in a state where the detail control screen 522 is displayed as shown in Fig. 7, the touch panel control section 102 senses the selection thereof. Accordingly, the device control section 106 generates a control command (an example of the ~~third~~ second control command) in accordance with the detail control button 505 selected by the user. In addition, the device control section 106 transmits the generated control command to the first air conditioner in the living room via the communication control section 107 and the network. The display control section 103 changes a display state of the detail control button 505 in accordance with the selection of the detail control button 505 by the user.

[0087] In addition, in Fig. 7, for example, when the user selects an upward arrow button of the detail control button 505 for setting temperature, the touch panel control section 102 senses the selection thereof. As a result, the device control section 106 generates a control command (an example of the ~~third~~ second control command) for raising the temperature setting by 1°C. The device control section 106 transmits the generated control command to

the first air

conditioner in the living room via the communication control section 107 and the network. The display control section 103 changes a display temperature of the detail control button 505 for temperature setting to 29°C.

[0088] Furthermore, in Fig. 7, for example, when the user selects an “upward” button of the detail control button 505 for setting air flow direction, the touch panel control section 102 senses the selection thereof. As a result, the device control section 106 generates a control command (an example of the ~~third~~ second control command) for changing the air flow direction to upward. The device control section 106 transmits the generated control command to the first air conditioner in the living room via the communication control section 107 and the network. The display control section 103 restores the “downward” button of the detail control button 505 for setting air flow direction to the default color and changes the color of the “upward” button.

[0089] In addition, in Fig. 7, for example, when the user selects a “low” button of the detail control button 505 for setting air volume, the touch panel control section 102 senses the selection thereof. As a result, the device control section 106 generates a control command for changing the air volume to low. The device control section 106 transmits the generated control command (an example of the ~~third~~ second control command) to the first air conditioner in the living room via the communication control section 107 and the network. The display control section 103 restores the “medium” button of the detail control button 505 for setting air volume to the default color and changes the color of the “low” button.

[0090] In Fig. 7, for example, when the user selects the close button 508, the touch panel control section 102 senses the selection thereof. As a result, the display control section 103 restores the display state of the display 101 and displays the room screen 540 on the display 101 as shown in Fig. 6.

[0091] As shown in Fig. 7, the display control section 103 displays the detail control screen 522 and the operation screen 541 of the first air conditioner so as to come into contact with each other. In addition, the display control section 103 displays the detail control screen 522, the operation screen 544 of all devices, the operation screen 542 of the second air conditioner, and the operation screen 545 of the illumination device so as to be separated from one another. According to this display, the user can readily understand that the detail control screen 522 shown in Fig. 7 is the detail control screen 522 of the first air conditioner.

[0092] Subsequently, in the display state shown in Fig. 7, for example, when the user selects the operation screen 542 or 545 other than the operation screen 541 of the first air conditioner, the touch panel control section 102 senses the selection thereof. As a result, the display

screen 540 including the detail control screen 522 of the first air conditioner makes a transition to the display state of the room screen 540 including the detail control screen 522 of the second air conditioner.

[0229] When the user selects the detail control button 505 with the contacting object 519 in the display state of the room screen 540 shown in the lower diagram in Fig. 41 (the lower right diagram in Fig. 43), the touch panel control section 102 senses the selection thereof. Accordingly, the device control section 106 generates a control command (an example of the ~~second~~ third control command) that corresponds to the selected detail control button 505 and transmits the generated control command to the second air conditioner.

[0230] On the other hand, when the user brings the contacting object 519 into contact with the operation screen 541 (an example of the operation screen device icon) of the first air conditioner in the display state of the detail control screen 522 of the second air conditioner shown in the lower diagram in Fig. 41 (the lower right diagram in Fig. 43), the contact is sensed by the touch panel control section 102. As a result, as shown in the upper diagram in Fig. 41 (the upper right diagram in Fig. 43), the display control section 103 displays the detail control screen 522 of the first air conditioner on the display 101 by switching from the detail control screen 522 of the second air conditioner. Accordingly, the display state of the room screen 540 including the detail control screen 522 of the second air conditioner makes a transition to the display state of the room screen 540 including the detail control screen 522 of the first air conditioner.

[0231] Next, when the user brings the contacting object 519 into contact with the device icon 501 (an example of the first device icon) at the second from the left representing the air conditioner in the room icon 502 representing the living room in the display state of the basic screen shown in the upper diagram in Fig. 42 (the upper left diagram in Fig. 43), the contact is sensed by the touch panel control section 102. As a result, as shown in the lower diagram in Fig. 42 (the lower right diagram in Fig. 43), the display control section 103 displays the room screen 540 including the detail control screen 522 (an example of the first operation screen) of the second air conditioner (an example of the first target device) on the display 101.

Accordingly, the display state of the basic screen makes a transition to the display state of the room screen 540 including the detail control screen 522 of the second air conditioner.

[0232] On the other hand, when the user brings the contacting object 519 into contact with the return button 507 in the display state of the room screen 540 including the detail control screen 522 of the second air conditioner shown in the lower diagram in Fig. 42 (the lower right diagram in Fig. 43), the contact is sensed by the touch panel control section 102. As a

Claims

1. A method for controlling an information apparatus, the information apparatus having a display and being connected to a network, one or more target devices being controlled over the network,

the method causing a computer of the information apparatus to:

display a display screen on the display, the display screen representing each of rooms included in a building;

display device icons on the display in units of each room represented on the display screen, each of the device icons representing each of the one or more target devices;

when a selection of a first device icon representing a first target device among the one or more target devices is sensed, display a room screen on the display, the room screen representing a room corresponding to the selected first device icon, the displayed room screen including a first operation screen for operating the first target device ~~and a second operation screen for operating a second target device~~, the first target device corresponding to the selected first device icon, ~~the second target device corresponding to a second device icon other than the selected first device icon, the second target device being arranged in a room represented on the room screen;~~ and

output to the network a first control command controlling the first target device based on an operation on the first operation screen ~~or a second control command controlling the second target device based on an operation on the second operation screen.~~

2. The method according to claim 1, wherein

the first operation screen includes a first operation button for causing a first extended operation screen to be displayed, the first extended operation screen being used for operating instructions other than instructions operable by the first operation screen, and

when it is determined that selection of the first operation button is sensed, the first extended operation screen is displayed on the display.

3. The method according to claim 2, wherein

a second ~~third~~ control command is outputted to the network based on an operation on the first extended operation screen, the second ~~third~~ control command controlling the first target device.

4. The method according to any one of claims 1 to 3, wherein
the displayed room screen includes a second operation screen for operating a second
target device, the second target device corresponding to a second device icon other than the
selected first device icon, the second target device being arranged in the room represented on
the room screen, and
a third control command is outputted to the network based on an operation on the
second operation screen, the third control command controlling the second target device.
45. The control method according to ~~any one of claims 1 to 3~~ claim 4, wherein

the second operation screen includes a second operation button for causing a second extended operation screen to be displayed, the second extended operation screen being used for operating instructions other than instructions operable by the second operation screen, and

when it is determined that selection of the second operation button is sensed, the second extended operation screen is displayed on the display.

~~56.~~ The control method according to claim ~~45~~, wherein

a fourth control command is outputted to the network based on an operation on the second extended operation screen, the fourth control command controlling the second target device.

~~67.~~ The control method according to any one of claims ~~1 to 5~~ 4 to 6, wherein

the second device icon is a device icon representing a target device of a same type as the first device icon.

~~78.~~ The control method according to any one of claims ~~1 to 5~~ 4 to 6, wherein

the second device icon is a device icon representing a target device of a type that differs from the first device icon.

~~89.~~ The control method according to any one of claims 1 to ~~78~~, wherein

the room screen includes a display field for displaying power consumption of the corresponding room.

~~910.~~ The control method according to claim ~~89~~, wherein

the information apparatus is connected to a management apparatus via a network, the management apparatus managing the power consumption of each of the one or more rooms in units of each room,

power information is acquired from the management apparatus, the power information indicating the power consumption of each of the one or more rooms, and

the power consumption is displayed in the display field based on the power information.

~~1011.~~ A program for controlling an information apparatus, the information apparatus having a display and being connected to a network, one or more target devices being

controlled over the network,

the program causing a computer of the information apparatus to:

display a display screen on the display, the display screen representing each of rooms included in a building;

display device icons on the display in units of each room represented on the display screen, each of the device icons representing each of the one or more target devices;

when a selection of a first device icon representing a first target device among the one or more target devices is sensed, display a room screen on the display, the room screen representing a room corresponding to the selected first device icon, the displayed room screen including a first operation screen for operating the first target device ~~and a second operation screen for operating a second target device~~, the first target device corresponding to the selected first device icon, ~~the second target device corresponding to a second device icon other than the selected first device icon, the second target device being arranged in a room represented on the room screen;~~ and

output to the network a first control command controlling the first target device based on an operation on the first operation screen ~~or a second control command controlling the second target device based on an operation on the second operation screen.~~

~~44~~12. A method for controlling an information apparatus, the information apparatus having a display and being connected to a network, one or more target devices being controlled over the network,

the method causing a computer of the information apparatus to:

display a display screen on the display, the display screen representing each of rooms included in a building;

display device icons on the display in units of each room represented on the display screen, each of the device icons representing each of the one or more target devices;

when a selection of a first device icon representing a first target device among the one or more target devices is sensed, display a room screen on the display, the room screen representing a room corresponding to the selected first device icon, the displayed room screen including a first operation screen for operating the first target device and including an operation screen device icon for causing a second operation screen for operating a second target device to be displayed on the display, the first target device corresponding to the selected first device icon, the second target device corresponding to a second device icon other than the selected first device icon, the second target device being arranged in the room

represented on the room screen; and

output to the network a first control command controlling the first target device based on an operation on the first operation screen.

~~42~~13. The control method according to claim ~~41~~12, wherein

when selection of the operation screen device icon on the displayed room screen is sensed, the second operation screen for operating the second target device is displayed on the display by switching from the first operation screen, and

a second control command is outputted to the network based on an operation on the second operation screen, the second control command controlling the second target device.

~~43~~14. The control method according to any one of claims ~~41 to 42~~ 12 to 13, wherein the second device icon is a device icon representing a target device of a same type as the first device icon.

~~44~~15. The control method according to any one of claims ~~41 to 42~~ 12 to 13, wherein the second device icon is a device icon representing a target device of a type that differs from the first device icon.

~~45~~16. The control method according to any one of claims ~~41 to 44~~ 12 to 15, wherein the room screen includes a display field for displaying power consumption of the corresponding room.

~~46~~17. A program for controlling an information apparatus, the information apparatus having a display and being connected to a network, one or more target devices being controlled over the network,

the program causing a computer of the information apparatus to:

display a display screen on the display, the display screen representing each of rooms included in a building;

display device icons on the display in units of each room represented on the display screen, each of the device icons representing each of the one or more target devices;

when a selection of a first device icon representing a first target device among the one or more target devices is sensed, display a room screen on the display, the room screen representing a room corresponding to the selected first device icon, the displayed room screen