an operation on the display of an information terminal, such as a smartphone. In such a case, a control image, in which buttons and the like are arranged, is displayed on the display. Such a control image, however, may be displayed incorrectly depending on the model of the information terminal.

[0005]

Embodiments of the present invention provide a control method and an information processing system each capable of reducing an incorrect display of an image, such as a control image.

SOLUTIONS TO PROBLEM

[0006]

According to a first aspect of the present invention, there is provided a method for controlling an information terminal which communicates with an information processing device the information terminal includes a display and a touch panel disposed on the display, the method including: detecting, by the touch panel, an operation performed by a user; transmitting, to the information processing device, a request for image information of an image in which all image parts forming the image are arranged in advance, the image being displayed according to the operation detected; receiving the image information from the information processing device; and displaying the image on the display based on the image information received, wherein the image is a control image used by the user to control an electrical device.

[0007]

According to a second aspect of the present invention, there is provided a method for controlling an information processing device which communicates with an information terminal, the method including: obtaining, from the information terminal, a request for image information for displaying, on a display of the information terminal, an image in which all image parts forming the image are arranged in advance; generating the image information according to the request obtained; and transmitting, to the information

terminal, the image information generated, wherein the image is a control image used by an user to control an electrical device.

[0008]

Disclosed herein is a method for controlling an information processing device which communicates with a first information terminal and a second information terminal. The method includes: obtaining, from the first information terminal, a request for first image information for displaying, on a first display of the first information terminal, a first image in which all image parts forming the first image are arranged in advance; generating the first image information according to the request obtained; generating second image information different from the first image information according to the request obtained; transmitting, to the first information terminal, the first image information generated; and transmitting, to the second information terminal, the second image information generated, wherein the second image information is information for displaying, on a second display of the second information terminal, a second image in which all image parts forming the second image are arranged in advance.

[0009]

According to a third aspect of the present invention, there is provided a program for causing a computer to execute any one of the methods descried above.

[0010]

According to a fourth aspect of the present invention, there is provided an information processing system which communicates with an information terminal, the information processing system including: an obtainment unit which obtains, from the information terminal, a request for image information for displaying, on a display of the information terminal, an image in which all image parts forming the image are arranged in advance; a generator which generates the image information according to the request obtained; and a transmitter which transmits, to the information terminal, the image

information generated, wherein the image is a control image used by an user to control an electrical device.

ADVANTAGEOUS EFFECT OF INVENTION

[0011]

A control method and an information processing system according to embodiments of the present invention each is capable of reducing an incorrect display of an image, such as a control image.

BRIEF DESCRIPTION OF DRAWINGS

[0012]

[FIG. 1]

FIG. 1 is a block diagram illustrating a configuration of a device control system according to an embodiment.

[FIG. 2]

FIG. 2 is an external view of devices forming the device control system.

[FIG. 3]

FIG. 3 illustrates a control image displayed on a display of an information terminal.

[FIG. 4]

FIG. 4 illustrates a control image in which image parts are incorrectly positioned.

[FIG. 5]

FIG. 5 illustrates a control image in which image parts are correctly

CLAIMS

1. A method for controlling an information terminal which communicates with an information processing device, the information terminal including a display and a touch panel disposed on the display, the method comprising:

detecting, by the touch panel, an operation performed by a user;

transmitting, to the information processing device, a request for image information of an image in which all image parts forming the image are arranged in advance, the image being displayed according to the operation detected;

receiving the image information from the information processing device; and

displaying the image on the display based on the image information received,

wherein the image is a control image used by the user to control an electrical device.

2. The method according to claim 1, further comprising:

displaying another image on the display before the detecting, the another image being different from the image,

wherein, in the detecting, the operation performed on the another image which is currently displayed is detected by the touch panel, and

in the displaying of the image, an image in which a portion of the another image has been changed according to the operation detected is displayed as the image.

3. The method according to claim 2, further comprising:

converting a position on the touch panel at which the operation has been performed into coordinates in the another image,

wherein, in the transmitting, the request including coordinate information indicating the coordinates is transmitted to the information processing device, and

in the displaying of the image, an image in which a portion of the another image has been changed according to the coordinate information transmitted is displayed as the image.

4. The method according to any one of claims 1 to 3,

wherein the all image parts include an image part which is an operation target of the user.

5. The method according to claim 4,

wherein the image displayed on the display in the displaying of the image includes a text, a figure, or a symbol indicating the image part which is the operation target.

6. The method according to any one of claims 1 to 5, further comprising:

receiving, by the touch panel, an operation for prohibiting transmission of the request for the image information,

wherein the request for the image information is not transmitted after the operation for prohibiting the transmission is received in the receiving.

7. A method for controlling an information processing device which communicates with an information terminal, the method comprising:

obtaining, from the information terminal, a request for image information for displaying, on a display of the information terminal, an image in which all image parts forming the image are arranged in advance;

generating the image information according to the request obtained; and

transmitting, to the information terminal, the image information generated,

wherein the image is a control image used by an user to control an electrical device.

8. The method according to claim 7,

wherein the information processing device communicates with a plurality of the information terminals,

in the obtaining, the request is obtained from one of the plurality of the information terminals, and

in the transmitting, the image information generated is transmitted to the plurality of the information terminals.

9. A program for causing a computer to execute the method according to any one of claims 1 to 8.

10. An information processing system which communicates with an information terminal, the information processing system comprising:

an obtainment unit which obtains, from the information terminal, a request for image information for displaying, on a display of the information terminal, an image in which all image parts forming the image are arranged in advance;

a generator which generates the image information according to the request obtained; and

a transmitter which transmits, to the information terminal, the image information generated,

wherein the image is a control image used by an user to control an electrical device.