CLAIMS

1. A relay device for ~~relaying~~ receiving data transmitted ~~and received between~~ from a first communication ~~terminals~~ terminal and transmitting the data to a second communication terminal, the data being image data generated based on image capturing by a camera or display data to be displayed on a display device, the relay device comprising:

a receiving unit configured to receive ~~a notice of changed~~ layout information from ~~a~~ the second communication terminal ~~that displays at least one of image data of a captured image and display data of a document in at least one area of~~ the layout information indicating layout of the image data or the display data on a screen ~~based on layout information~~ of the display device of the second communication terminal~~, the image data and the display data being contained in the data transmitted and received between the communication terminals~~; and

~~a changing unit configured to change management information for managing transmission of the data to the communication terminal according to the notified layout information; and~~

a control unit configured to control starting or stopping the transmission of ~~at least one of~~ the display data ~~and~~ or the image data to the second communication terminal according to the ~~changed management~~ layout information.

2. The relay device according to claim 1, further comprising a changing unit configured to change management information for managing starting or stopping the transmission of the image data or the display data to the second communication terminal according to the layout information,

wherein the control unit controls starting or the stopping the transmission of the image data or the display data to the second communication terminal according to the changed management information.

~~2~~3. The relay device according to claim 1, wherein when the ~~notified~~ layout information indicates display of only the display data, the control unit stops the transmission of the image data to the second communication terminal according to the changed management information.

~~3~~4. The relay device according to claim ~~1~~2, ~~wherein~~

~~the data contains a plurality of pieces of the image data, and~~

~~the relay device further comprises~~ further comprising:

a determining unit configured to determine whether the changed management information ~~contains~~ indicates that the image data ~~that~~ is not to be transmitted to ~~any of~~ all the communication terminals which are to be communicated with the first communication terminal and which include the second communication terminal; and

a notifying unit configured to ~~send a notice to stop~~ notify the first communication terminal of stopping the transmission of the image data ~~to all of the communication terminals that transmit the image data~~ when the determining unit determines that ~~there is~~ the determining unit determines that the changed management information indicates the image data ~~that is~~ not being to be transmitted to ~~any of~~ all the communication terminals.

~~4. The relay device according to claim 3, wherein~~

~~when the determining unit determines that all pieces of the image data are not to be transmitted to any of the communication terminals according to the changed management information, the control unit stops transmission of all piece of the image data to the communication terminals and the notifying unit sends a notice to stop transmission of all pieces of the image data to all of the communication terminals that transmit any piece of the image data.~~

5. The relay device according to any one of claim 1 to 4, wherein the display data is ~~received~~ display data input from an external input device connected to the first communication terminal.

6. A display data sharing system comprising:

~~two or more communication terminals; and~~

~~the~~ the relay device according to any one of claims 1 to 5 that relay data transmitted and received between ~~the communication terminals~~ the first communication terminal and the second communication terminal;

the first communication terminal; and

the second communication terminal.

7. A data control method implemented by a relay device that ~~relays~~ receives data transmitted ~~and received between~~ from a first communication ~~terminals~~ terminal and transmits the data to a second communication terminal,

the data being image data generated based on image capturing by a camera or display data to be displayed on a display device, the data control method comprising:

receiving ~~a notice of changed~~ layout information from ~~a~~ the second communication terminal ~~that displays at least one of image data of a captured image and display data of a document in at least one area of~~ the layout information indicating layout of the image data or the display data on a screen ~~based on layout information~~ of the display device of the second communication terminal~~, the image data and the display data being contained in the data transmitted and received between the communication terminals~~; and

~~changing management information for managing transmission of the data to the communication terminal according to the notified layout information; and~~

controlling starting or stopping the transmission of ~~at least one of~~ the display data ~~and~~ or the image data to the second communication terminal according to the ~~changed management~~ layout information.

8. The data control method according to claim 7, further comprising changing management information for managing starting or stopping the transmission of the image data or the display data to the second communication terminal according to the layout information,

wherein the controlling includes controlling starting or the stopping the transmission of the image data or the display data to the second communication terminal according to the changed management information.

9. The data control method according to claim 7,wherein when the layout information indicates display of only the display data, the control unit stops the transmission of the image data to the second communication terminal according to the changed management information.

~~8~~10. The data control method according to claim ~~7~~ 8, ~~wherein~~

~~the data contains a plurality of pieces of the image data, and~~

~~the data control method further comprises~~ further comprising:

determining whether the changed management information ~~contains~~ indicates that the image data ~~that~~ is not to be transmitted to ~~any of~~ all the communication terminals which are to be communicated with the first

communication terminal and which include the second communication terminal; and

~~sending a notice to stop~~ notifying the first communication terminal of stopping the transmission of the image data ~~to all of the communication terminals that transmit the image data~~ when ~~it is determined at~~ the determining unit determines that the changed management information indicates ~~there is~~ the image data ~~that is~~ not being to be transmitted to ~~any of~~ all the communication terminals.

~~9~~11. The data control method according to ~~claim 7 or 8~~any one of claims 7 to 10, ~~further comprising receiving~~ wherein the display data is display data input from an external input device connected to the first communication terminal.

~~10~~12. A computer-readable storage medium with an executable program stored thereon, wherein the program instructs a computer to execute the data control method according to any one of claims 7 to ~~9~~11.