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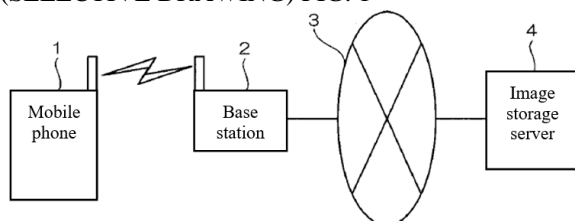
(54) (TITLE OF THE INVENTION) IMAGE STORAGE SYSTEM, MOBILE TERMINAL, IMAGE STORAGE DEVICE, IMAGE STORAGE METHOD, IMAGE TRANSMISSION PROGRAM, AND IMAGE STORAGE PROGRAM

(57) (ABSTRACT)

(PROBLEM) To facilitate an easy transmission of a captured image and transmission of high-quality images.

(MEANS FOR SOLVING) Immediately after capturing an image, a mobile telephone 1 divides the captured image data into predetermined size [data] and sequentially sends the data to an image storage server 4 as an HTTP request. The image storage server 4 sequentially saves the divided image data to store them as one image data. Furthermore, the image storage server 4 generates and stores images for thumbnails and images for photograph display. The image storage server 4 sends an email containing the URL of a web page that publishes an image data selected by the mobile telephone 1, among the stored image data, to the publishing destination. The terminal which received the e-mail downloads the published image data according to the URL attached to the e-mail.

(SELECTIVE DRAWING) FIG. 1



(Scope of Patent Claims)

(Claim 1)

An image storage system, characterized in that the system comprising

a mobile terminal provided with a photographing means and a transmission means for transmitting the captured image data via a network by an HTTP request immediately after capturing the image by a photographing means, and an image storage device provided with a receiving means for receiving the image data from the mobile terminal via a network, and a storage means for storing the received image data.

(Claim 2)

An image storage system, characterized in that the system comprising

a mobile terminal provided with a storage means for storing one or more image data, a selection means for selecting an image from the image data stored by the storage means, and a transmission means for transmitting the image data selected by the selection means via a network by an HTTP request, and

an image storage device provided with a receiving means for receiving the image data transmitted by an HTTP request via a network from the mobile terminal, and a storage means for storing the image data received by the receiving means.

(Claim 3)

A mobile terminal, characterized in that the terminal comprising

a photographing means, and

a transmission means for transmitting the captured image data to a server on a network by an HTTP request immediately after capturing the image by the photographing means.

(Claim 4)

A mobile terminal, characterized in that the terminal comprising

a storage means for storing one or more image data,

a selection means for selecting an image from the image data stored by the storage means, and

a transmission means for transmitting the image data selected by the selection means via a network by an HTTP request.

(Claim 5)

The mobile terminal as recited in Claim 3 or 4, characterized in that the terminal comprising a division means for dividing the image data captured by the photographing means into predetermined size [data],

wherein the transmission means sequentially transmits the image data divided by the division means to a server on a network by an HTTP request.

(Claim 6)

The mobile terminal as recited in Claim 5, characterized in that the terminal comprising a resizing instruction means for transmitting a resizing instruction to image data after all of the divided image data have been transmitted by the transmission means.

(Claim 7)

The mobile terminal as recited in Claim 3 through 6, characterized in that the terminal comprising

a login processing means for logging-in into the server,

a user ID acquiring means for acquiring a user ID specific to a user from the server after logging-in by the login processing means, and

a file name generation means for generating a file name containing at least the user ID acquired by the user ID acquiring means as a file name of the image data captured by the photographing means.

(Claim 8)

An image storage device, characterized in that the device comprising

a receiving means for receiving the image data transmitted by a HTTP request via a network, and

a storage means for storing the image data received by the receiving means.

(Claim 9)

The image storage device as recited in Claim 8, characterized in that the device comprising a storage control

means for storing the image data transmitted sequentially in the storage means as one image data until the receiving means receives a termination command.

(Claim 10)

The image storage device as recited in Claim 9, characterized in that the storage control means determines a storage location in the storage means of the received image data based on the user ID contained in the file name of the image data received by the receiving means.

(Claim 11)

The image storage device as recited in any one of Claims 8 to 10, characterized in that the device comprising a resizing means for resizing the image data received by the receiving means according to the purpose of publishing the image data.

(Claim 12)

The image storage device as recited in any one of Claims 8 to 11, characterized in that the device comprising a publishing control means for publishing the image data stored in the storage means to a user terminal accessed via a network.

(Claim 13)

The image storage device as recited in Claim 12, characterized in that the device comprising a publishing image selection means for selecting, from among the image data stored in the storage means, the image data allowed to be published according to an instruction from the transmission origin of the image data,

wherein the publishing control means publishes the image data selected by the publishing image selection means to a user terminal accessed via a network.

(Claim 14)

The image storage device as recited in Claim 12, characterized in that the device comprising a publishing destination determination means for determining a publishing destination to which the image data set as publishable is published according to an instruction from the transmission origin of the image data,

wherein the publishing control means publishes the image data set as publishable to a user terminal of publishing destination determined by the publishing destination determination means.

(Claim 15)

The image storage device as recited in Claim 14, characterized in that the device comprising

a publishing location information generation means for generating publishing location information that shows the publishing location of the image data set as publishable,

a mail creation means for creating a mail in which a publishing location information generated by the publishing location information generation means is described, and

a mail transmission means for transmitting the mail created by the mail creation means to the publishing destination determined by the publishing destination determination means.

(Claim 16)

The image storage device as recited in Claim 13, characterized in that the resizing means generates a plurality of low resolutions image data based on the stored image data, and

the publishing control means publishes to the terminal of the publishing destination the image data of the resolution according to the display ability of the terminal of the publishing destination.

(Claim 17)

An image transmission method, characterized in that, immediately after photographing, the captured image data is transmitted to a server on a network by an HTTP request.

(Claim 18)

An image transmission method, characterized in that an image is selected from one or more image data stored, and the selected image data is transmitted via a network by an HTTP request.

(Claim 19)

An image storage method, characterized in that the image data transmitted via a network by an HTTP request is received, and the received image data is stored.

(Claim 20)

An image transmission program, characterized in that the following steps are performed by a computer:

a step of capturing an image, and
a step of transmitting the captured image data immediately after photographing to a server on a network by an HTTP request.

(Claim 21)

An image transmission program, characterized in that the following steps are performed by a computer:

a step of selecting an image from one or more image data stored, and
a step of transmitting the selected image data via a network by an HTTP request.

(Claim 22)

An image storage program, characterized in that the following steps are performed by a computer:

a step of receiving the image data transmitted via a network by an HTTP request, and
a step of storing the received image data.

(Detailed Description of the Invention)

(Technical Field)

(0001)

The present invention relates to an image storage system, a mobile terminal, an image storage device, an image storage method, an image transmission program, and an image storage program.

(Background of the Invention)

(0002)

Conventionally, in mobile telephone terminals, when an image is captured with a camera provided to the main body [of the terminal], and the image is sent to others, the image is sent by attaching it to an e-mail. In addition, a system for storing an image captured with a digital camera in an image storage server on a network by using a communication function of a mobile phone has been proposed (for example, see Patent Literature 1). In the prior art, an image captured with a digital camera is saved in a removable recording medium, wherein the recording medium is installed in a mobile phone, and the image is transmitted to a predetermined image storage server via a base station and a network. The image transmitted from the mobile phone is received and stored in the image storage server.

(Patent Literature 1) Japanese Unexamined Patent Application Publication No. 2002-157574

(Description of the Invention)

(Problem to be Solved by the Invention)

(0003)

However, in the prior art in which an image is transmitted by attaching it to an e-mail, there is a problem of complicated operation from the time to attach an image to an e-mail after image photographing until the time to transmit it, or a troublesome operation when the email address of the transmission destination is long. Although photographing of a high-definition image has become feasible with a digital camera or a mobile phone in recent years, with the prior art (mail attachment, Patent Literature 1) described above, there is a problem that a high-definition image cannot be transmitted to a server from a mobile telephone terminal since the data more than a predetermined size (typically 10 KB) cannot be transmitted due to a restriction on the service provided by a communication provider.

(0004)

The present invention was made in consideration of such circumstances, with the objective of providing an image storage system, a mobile terminal, an image storage device, an image storage method, an image transmission program, and an image storage program, in which a captured image can be transmitted easily, and a high-definition image can be transmitted.

(Means for Solving the Problems)

(0005)

The present invention was made to solve the problems described above and is characterized by providing a mobile terminal provided with a photographing means and a transmission means for transmitting the captured image data immediately after capturing the image by a photographing means via a network by an HTTP request, and an

image storage device provided with a receiving means for receiving the image data from the mobile terminal via a network, and a storage means for storing the received image data.

(0006)

The present invention solved the problems described above and is characterized by providing a mobile terminal provided with a storage means for storing one or more image data, a selection means for selecting an image from the image data stored by the storage means, and a transmission means for transmitting the image data selected by the selection means via a network by an HTTP request; and an image storage device provided with a receiving means for receiving the image data transmitted by an HTTP request via a network from the mobile terminal, and a storage means for storing the image data received by the receiving means.

(0007)

The present invention solved the problems described above and is characterized by providing a photographing means and a transmission means for transmitting the captured image data to the server on a network by an HTTP request immediately after capturing the image by the photographing means.

(0008)

The present invention solved the problems described above and is characterized by providing a storage means for storing one or more image data, a selection means for selecting an image from the image data stored by the storage means, and a transmission means for transmitting the image data selected by the selection means via a network by an HTTP request.

Furthermore, the present invention is characterized in that the mobile terminal comprises a division means for dividing into a predetermined size the image data captured by the photographing means, wherein the transmission means sequentially transmits the image data divided by the division means to a server on a network by an HTTP request.

(0009)

The present invention is characterized by providing the mobile terminal with a resizing instruction means for transmitting a resizing instruction to the image data, after all the divided image data is transmitted by the transmission means.

(0010)

The present invention is characterized by providing the mobile terminal with a login processing means for logging-in to the server, a user ID acquiring means for acquiring a user ID specific to a user from the server after logging-in by the login processing means, and a file name generation means for generating a file name containing at least the user ID acquired by the user ID acquiring means as a file name of the image data captured by the photographing means.

(0011)

This invention was made to solve the problems described above and is characterized by providing a receiving means for receiving the image data transmitted by an HTTP request via a network, and a storage means for storing the image data received by the receiving means.

(0012)

The present invention is characterized by providing the image storage device with a storage control means for storing the image data transmitted sequentially in the storage means as one image data until a termination command is received by the receiving means.

(0013)

The present invention is characterized in that, in the image storage device, the storage control means determines the storage location in the storage means of the received image data based on the user ID included in the file name of the image data received by the receiving means.

(0014)

The present invention is characterized by providing the image storage device with a resizing means for resizing the image data received by the receiving means according to the object of publishing the image data.

(0015)

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