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(54) **Title:** DATA SHARING METHOD, CLIENT AND SYSTEM

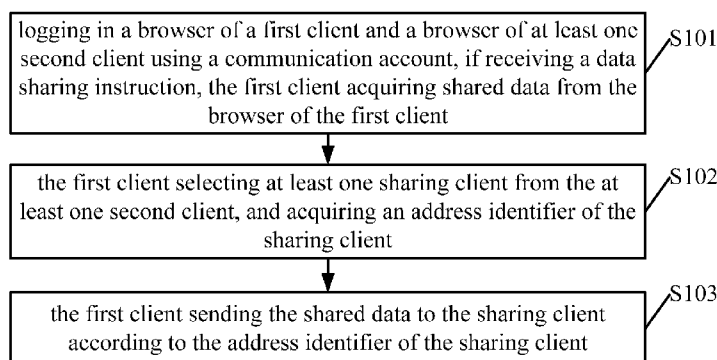


Fig. 1

(57) **Abstract:** A data sharing method, client and system are described. The data sharing method includes: logging in a browser of a first client and a browser of at least one second client using a communication account; acquiring, by the first client, shared data from the browser of the first client if receiving a data sharing instruction; selecting, by the first client, at least one sharing client from the at least one second client and acquiring an address identifier of each of the at least one sharing client; sending, by the first client, the shared data to the at least one sharing client according to the address identifier of each of the at least one sharing client. Since the data sharing can be realized based on the communication account, the first client and the sharing client need not to be connected by wires. Therefore, the operations of the data sharing are simple and the efficiency of the data sharing is enhanced.

DATA SHARING METHOD, CLIENT AND SYSTEM

This application claims the benefit of priority from Chinese Patent Application, No. 201210566237.7, filed on December 24, 2012, the entire contents of which are hereby incorporated by reference.

5 Field of the Disclosure

The present disclosure related to internet technologies, and more particularly to a data sharing method, client and system.

Background

With the development of the internet, using the internet to realize data sharing
10 between clients has gradually become a trend. A typical solution of realizing data sharing
between clients is to use a wired connection to realize data sharing. For example, a
mobile phone is connected with a personal computer (PC) through a data line so as to
transmit data between the mobile phone and the PC. In this solution needs to first connect
the clients via wired connections before data sharing, and thus the operations are
15 complicated. Further, this solution is also limited by connection manners. For example, in
case of wireless connection, data sharing cannot be realized. Moreover, if wired interfaces
between the clients are not matched, then normal wired connection cannot be established,
and thus data sharing cannot be realized.

Summary

20 One embodiment of the present disclosure provides a data sharing method, client and
system, which can realize data sharing between clients without limitation of connection
manners, and can simplify operations of data sharing and thus improve efficiency of data
sharing.

One embodiment of the present disclosure provides a data sharing method, which
25 can include:

logging in a browser of a first client and a browser of at least one second client using

a communication account;

acquiring, by the first client, shared data from the browser of the first client if receiving a data sharing instruction;

selecting, by the first client, at least one sharing client from the at least one second
5 client and acquiring an address identifier of each of the at least one sharing client;

sending, by the first client, the shared data to the at least one sharing client according to the address identifier of each of the at least one sharing client.

Another embodiment of the present disclosure provides a client, which can include:

a data acquisition module configured to, after a communication account is logged in
10 a browser of the local client and a browser of at least one second client, if receiving a data sharing instruction, acquire shared data from the browser of the local client;

an address acquisition module configured to, select at least one sharing client from the at least one second client, and acquiring an address identifier of each of the at least one sharing client;

15 a sharing module configured to send the shared data to the at least one sharing client according to the address identifier of each of the at least one sharing client.

Another embodiment of the present disclosure provides a data sharing system, which can include: a shared data providing client and a shared data receiving client;

wherein the shared data providing client includes:

20 a data acquisition module configured to, after a communication account is logged in the shared data providing client and the shared data receiving client, acquire shared data from the shared data providing client if receiving a data sharing instruction;

an address acquisition module configured to, acquire an address identifier of the shared data receiving client;

25 a sharing module configured to send the shared data to the shared data receiving client according to the address identifier of the shared data receiving client.

the shared data receiving client is configured to receive the shared data and output the shared data.

In one embodiment of the present disclosure, after multipoint login of the

communication account from the browser of the first client and the browser of at least one second client, the first client can select at least one sharing client from the at least one second client according to the data sharing instruction, and sends the shared data in the browser of the first client to the sharing client, thereby realizing data sharing between the first client and the sharing client. In the embodiment of the present disclosure, the data sharing can be realized based on the communication account, the first client and the sharing client need not to be connected by wires. Therefore, the operations of the data sharing are simple and the efficiency of the data sharing is enhanced.

Brief Description of Drawings

In order to more clearly illustrate technical solutions of embodiments of the present disclosure, the figures which are needed to be used in the description of the embodiments will be briefly described in the following. Obviously, the figures in the following description are only some embodiments of the present disclosure, and it is easily for those skilled in the art to obtain other figures based on the following figures without creative work.

Fig. 1 is a flow chart of a data sharing method provided in one embodiment of the present disclosure;

Fig. 2 is a flow chart of another data sharing method provided in one embodiment of the present disclosure;

Fig. 3a is a schematic diagram showing an effect of data sharing provided in one embodiment of the present disclosure;

Fig. 3b is a schematic diagram showing another effect of data sharing provided in one embodiment of the present disclosure;

Fig. 3c is a schematic diagram showing yet another effect of data sharing provided in one embodiment of the present disclosure;

Fig. 3d is a schematic diagram showing still another effect of data sharing provided in one embodiment of the present disclosure;

Fig. 3e is a schematic diagram showing still yet another effect of data sharing provided in one embodiment of the present disclosure;

Fig. 3f is a schematic diagram showing still yet another effect of data sharing provided in one embodiment of the present disclosure;

Fig. 4 is a schematic diagram of a client provided in one embodiment of the present disclosure;

5 Fig. 5 is a schematic diagram of one embodiment of a data acquisition module shown in Fig. 4;

Fig. 6 is a schematic diagram of one embodiment of an address acquisition module shown in Fig. 4;

10 Fig. 7 is a schematic diagram of another client provided in one embodiment of the present disclosure;

Fig. 8 is a schematic diagram of a server provided in one embodiment of the present disclosure;

Fig. 9 is a schematic diagram of a client provided in one embodiment of the present disclosure.

15 Fig. 10 is a schematic diagram of a server provided in one embodiment of the present disclosure.

Detailed Description

For simplicity and illustrative purposes, the present disclosure is described by referring mainly to examples thereof. In the following description, numerous specific
20 details are set forth in order to provide a thorough understanding of the present disclosure. It will be readily apparent however, that the present disclosure may be practiced without limitation to these specific details. In other instances, some methods and structures have not been described in detail so as not to unnecessarily obscure the present disclosure. Throughout the present disclosure, the terms “a” and “an” are intended to denote at least
25 one of a particular element. As used herein, the term “includes” means includes but not limited to, the term “including” means including but not limited to. The term “based on” means based at least in part on.

In one embodiment of the present disclosure, a first client can be any one client in a data sharing system, and can be any one of terminal devices such as a PC, a tablet PC, a

mobile phone, a smart phone, an e-reader and a notebook computer. Alternatively, the first client can be a client module in a terminal device, for example, a browser client, and so on. A second client can be any one or more clients in the data sharing system except for the first client, and can be any one of terminal devices such as a PC, a tablet PC, a mobile phone, a smart phone, an e-reader and a notebook computer. Alternatively, the second client can be a client module in a terminal device, for example, a browser client, and so on. In one embodiment of the present disclosure, shared data includes but not limited to, one or more of a website, text data, image data, audio data and video data. One of the first client and the second client can be used to provide shared data and can be called as a shared data providing client; the other one of the first client and the second client can be used to receive the shared data and can be called as a shared data receiving client.

The data sharing method provided in one embodiment of the present disclosure will be described in details hereinafter with reference to Figs. 1-3.

Fig. 1 is a flow chart of a data sharing method provided in one embodiment of the present disclosure. This embodiment describes the process of the data sharing method from a first client side. Referring to Fig. 1, the data sharing method can include following step S101-step S103.

S101: logging in a browser of a first client and a browser of at least one second client using a communication account, if receiving a data sharing instruction, the first client acquiring shared data from the browser of the first client.

The communication account logged in the browser of the first client and the browser of at least one second client refers to multipoint login of the same communication account from the browser of the first client and the browser of at least one second client. After multipoint login of the communication account is realized, when a user of the first client wants to share the data in the browser of the first client with the second client, the user may send the data sharing instruction to the first client and the first client acquires the data instructed by the data sharing instruction. For instance, after the communication account is logged from a PC and a mobile phone, if a user of the PC wants to share a website of a current webpage in a browser of the PC with the mobile phone, so as to utilize mobility and convenience of the mobile phone and view the current webpage on the PC anytime and anywhere. In this step, the user of the PC may send the data sharing

instruction to the PC to instruct the PC to share the website of the current webpage and the PC may obtain the website of the current webpage from the browser.

S102: the first client selecting at least one sharing client from the at least one second client, and acquiring an address identifier of the sharing client.

5 S103: the first client sending the shared data to the sharing client according to the address identifier of the sharing client.

In the steps S102-S103, the first client can select all or some of the second clients as the sharing clients according to actual needs of users, and send the shared data to the selected sharing clients, so as to realize data sharing between the first client and the
10 selected sharing clients.

In one embodiment of the present disclosure, after multipoint login of the communication account from the browser of the first client and the browser of at least one second client, the first client can select at least one sharing client from the at least one second client according to the data sharing instruction, and sends the shared data in the
15 browser of the first client to the sharing client, thereby realizing data sharing between the first client and the sharing client. In the embodiment of the present disclosure, the data sharing can be realized based on the communication account, the first client and the sharing client need not to be connected by wires. Therefore, the operations of the data sharing are simple and the efficiency of the data sharing is enhanced.

20 Fig. 2 is a flow chart of another data sharing method provided in one embodiment of the present disclosure. This embodiment describes the process of the data sharing method from interaction among a first client, second client, a server and a sharing client. The method can include following steps S201-S211.

S201: after a communication account is logged in a browser of a first client, a server
25 recording an address identifier of the first client;

S202: after the communication account is logged in a browser of at least one second client, the server recording an address identifier of the at least one second client;

The address identifier can uniquely identify the client. A communication with the client can be performed through the address identifier of the client. For example, the
30 address identifier can be a phone number of a mobile terminal and other mobile terminals,

PC's IP address, etc.

S203: the server correlating the address identifier of the first client with the address identifier of the at least one second client; the server correlating clients from which the same communication account is logged in multipoint with each other, so that data sharing
5 can be realized between the correlated clients.

S204: when the first client receives a data sharing instruction of sharing data of a current webpage in the browser of the first client, the first client acquiring shared data instructed by the data sharing instruction from the current webpage.

When a user of the first client wants to share the data in the browser of the first client
10 with the second client, the user may send the data sharing instruction to the first client and the first client acquires the shared data instructed by the data sharing instruction. For instance, if a user of a mobile phone wants to share an image of a current webpage in a browser of the mobile phone with a PC so as to utilize a big screen of the PC and conveniently view the image in the current page in the mobile phone. In this step, the user
15 of the mobile phone may send the data sharing instruction to the mobile phone to instruct the mobile phone to share a website of the current webpage and the mobile phone may obtain the image in the current page from the browser.

S205: the first client taking the acquired data as shared data.

S206: the first client requesting to the server for address identifiers of clients which
20 are correlated with the address identifier of the first client.

The first client can send a request message to the server. The request message carries the logged-in communication account in the browser of the first client and the address identifier of the first client. The server finds all clients from which the communication account is already logged in, according to the communication account in the request
25 message. The server finds the address identifier of the at least one second client which is correlated with the address identifier of the first client, according to the address identifier in the request message. The server returns the found address identifier of the second client to the first client.

S207: the first client receiving the address identifier of the at least one second client
30 which is correlated with the address identifier of the first client, returned by the server.

S208: the first client selecting at least one address identifier from the address identifier of the at least one second client returned by the server as the address identifier of the sharing client.

In this step, the first client can select all the second clients returned by the server as sharing clients, or can select some of the second clients returned by the server as sharing clients, according to actual needs of users.

S209: the first client sending the shared data to the sharing client according to the address identifier of the sharing client.

S210: the first client outputting a sharing prompt message according to a sending status of the shared data.

The sharing prompt message is configured to prompt the user of the sending status of the shared data. For example, the sharing prompt message can be “data is being sent”, “data sent successfully, please check”, or “data sent failure, the network is busy, please try again later” etc. The first client outputs the sharing prompt message so that the user can intuitive clearly understand the sending status of the shared data, thereby enhancing interaction between the client and the user.

S211: the sharing client outputting the shared data.

In actual applications, the sharing client may output the shared data according to actual needs of the user of the sharing client. For instance, if the shared data is a website, the sharing client may input the website in an address bar of the browser and display a webpage corresponding to the webpage in the browser. In the alternative, if the shared data is text information, the sharing client may display the text information or output the text information after editing the text information (for example, insert the text information in a file). In another alternative, if the first data is picture information, the sharing client may set the picture information as a desktop wallpaper and display the desktop wallpaper. In another alternative, if the shared data is audio and video information, the sharing client may play the audio and video information. It should be noted that if the shared data is the audio and video information, the first client may share the audio and video information and playback process information with the sharing client. When the sharing client outputs the audio and video information, the sharing client may continue to play the audio and video information or replay the audio and video information to effectively enhance the

experiences of the user.

In this embodiment of the present disclosure, after multipoint login of the communication account from the browser of the first client and the browser of at least one second client, the first client can select at least one sharing client from the at least one second client according to the data sharing instruction, and sends the shared data in the browser of the first client to the sharing client, thereby realizing data sharing between the first client and the sharing client. In the embodiment of the present disclosure, the data sharing can be realized based on the communication account, the first client and the sharing client need not to be connected by wires. Therefore, the operations of the data sharing are simple and the efficiency of the data sharing is enhanced.

The above process for sharing data may be described hereinafter with an example.

Assuming that the first client is a PC and the second clients include two clients which can be Iphone phone and Android phone, respectively. After a communication account is logged in the PC, the Iphone phone and the Android phone, if the user of the PC wants to share a website of a current page on the PC to the Iphone phone to utilize convenience of the Iphone phone and view the current page on the PC anytime and anywhere, the process of sharing data provided by the examples of the present disclosure may be as follows.

After the communication account is logged in a browser of the PC, a browser of the Iphone phone and a browser of the Android phone, respectively, the server records address identifiers of the PC, the Iphone phone and the Android phone, respectively, and correlates the address identifier of the PC with the address identifiers of the Iphone phone and the Android phone.

Fig. 3a is a schematic diagram showing an effect of data sharing provided in one embodiment of the present disclosure. As shown in Fig. 3a, when the user of the PC selects the website of the current page in the address bar of the browser of the PC, after N milliseconds, the PC may output a button of "send to mobile phone". If the user clicks the button, the data sharing instruction may be sent out. N is a positive integer and N may be set as needed. Since the address bar of the browser is set to input the website, the input operation of the user may be immediately performed by selecting the address bar. In this embodiment of the present disclosure, a setting may be made to make a response to the

data sharing operation of the user after N milliseconds to distinguish the input operation of the user and effectively avoid a false operation. After the PC receives the data sharing instruction from the user, the PC may obtain the website of the current page selected by the user from the address bar of the browser and take the website as the shared data.

5 The PC sends a request message to the server. The request message carries the logged-in communication account in the browser of the PC and the address identifier of the PC. The server returns the address identifiers of the Iphone phone and the Android phone which are correlated with the address identifier of the PC to the PC according to the request message. Referring to Fig. 3b, Fig. 3b is a schematic diagram showing another
10 effect of data sharing provided in one embodiment of the present disclosure. The PC may select the address identifier of the Iphone phone in the schematic diagram shown in Fig. 3b as the address identifier of the sharing client, and sends the shared data to the Iphone phone. i.e., sending the website of the current webpage in the browser of the PC.

 Fig. 3c is a schematic diagram showing yet another effect of data sharing provided in
15 one embodiment of the present disclosure. Fig. 3d is a schematic diagram showing still another effect of data sharing provided in one embodiment of the present disclosure. Fig. 3e is a schematic diagram showing still yet another effect of data sharing provided in one embodiment of the present disclosure. Referring to Figs. 3a-3e, the PC outputs the sharing prompt message according to the sending status of the shared data.

20 Fig. 3f is a schematic diagram showing still yet another effect of data sharing provided in one embodiment of the present disclosure. As shown in Fig. 3f, after the Iphone phone receives the website of the current webpage in the browser of the PC, the Iphone phone may input the website in the browser and display the current page of the PC corresponding to the website.

25 It should be noted, the embodiment shown in Fig. 3 is just an example; the process of sharing data in case that the first clients shares a variety of information such as picture information, text information, audio and video information, etc., can refer to related description of the embodiment shown in Fig. 3, and will not be repeated here.

 In this embodiment of the present disclosure, after multipoint login of the
30 communication account from the browser of the first client and the browser of at least one second client, the first client can select at least one sharing client from the at least one

second client according to the data sharing instruction, and sends the shared data in the browser of the first client to the sharing client, thereby realizing data sharing between the first client and the sharing client. In the embodiment of the present disclosure, the data sharing can be realized based on the communication account, the first client and the sharing client need not to be connected by wires. Therefore, the operations of the data sharing are simple and the efficiency of the data sharing is enhanced.

The client provided in one embodiment of the present disclosure will be described in details hereinafter with reference to Figs. 4-7. The following client can be the first client of the embodiment of the present disclosure. It should be noted, the following client can be applied to the above method.

Fig. 4 is a schematic diagram of a client provided in one embodiment of the present disclosure. The client of the present disclosure can be used as the first client. Referring to Fig. 4, the client can include a data acquisition module 101, an address acquisition module 102 and a sharing module 103.

The data acquisition module 101 is configured to, after a communication account is logged in a browser of the local client and a browser of at least one second client, if receiving a data sharing instruction, acquire shared data from the browser of the local client.

The communication account logged in the browser of the first client and the browser of at least one second client refers to multipoint login of the same communication account from the browser of the first client and the browser of at least one second client. After multipoint login of the communication account is realized, when a user of the first client wants to share the data in the browser of the first client with the second client, the user may send the data sharing instruction to the first client and the first client acquires the data instructed by the data sharing instruction. For instance, after the communication account is logged from a PC and a mobile phone, if a user of the PC wants to share a website of a current webpage in a browser of the PC with the mobile phone, so as to utilize mobility and convenience of the mobile phone and view the current webpage on the PC anytime and anywhere. In this step, the user of the PC may send the data sharing instruction to the PC to instruct the PC to share the website of the current webpage and the data acquisition module 101 may obtain the website of the current webpage from the browser.

The address acquisition module 102 is configured to, select at least one sharing client from the at least one second client, and acquiring an address identifier of the sharing client.

5 The sharing module 103 is configured to send the shared data to the sharing client according to the address identifier of the sharing client.

The address acquisition module 102 can select all or some of the second clients as the sharing clients according to actual needs of users. The sharing module 103 can send the shared data to the selected sharing clients, so as to realize data sharing between the first client and the selected sharing clients.

10 Each module of the client shown in Fig. 4 will be described in details hereinafter. Fig. 5 is a schematic diagram of one embodiment of the data acquisition module shown in Fig. 4. Referring to Fig. 5, the data acquisition module 101 can include a data acquisition unit 1101 and a data sharing confirmation unit 1102.

15 The data acquisition unit 1101 is configured to, after receiving the data sharing instruction of sharing the data of the current webpage in the browser of the local client, acquire the data instructed by the data sharing instruction from the current webpage.

When a user of the first client wants to share the data in the browser of the first client with the second client, the user may initiate the data sharing instruction to the first client and the data acquisition unit 1101 acquires the shared data instructed by the data sharing
20 instruction. For instance, if a user of a mobile phone wants to share an image of a current webpage in a browser of the mobile phone with a PC so as to utilize a big screen of the PC and conveniently view the image in the current page in the mobile phone. In this step, the user of the mobile phone may initiate the data sharing instruction to the mobile phone to instruct the mobile phone to share a website of the current webpage and the data
25 acquisition unit 1101 may obtain the image in the current page from the browser.

The data sharing confirmation unit 1102 is configured to take the acquired data as shared data.

Fig. 6 is a schematic diagram of one embodiment of the address acquisition module shown in Fig. 4. Referring to Fig. 6, the address acquisition module 102 can include a
30 request unit 1201, a receiving unit 1202 and an address acquisition unit 1203.

The request unit 1201 is configured to request to the server for address identifiers of clients which are correlated with the address identifier of the local client.

The request unit 1201 can send a request message to the server. The request message carries the logged-in communication account in the browser of the first client and the address identifier of the first client. The server finds all clients from which the communication account is already logged in, according to the communication account in the request message. The server finds the address identifier of the at least one second client which is correlated with the address identifier of the first client, according to the address identifier in the request message. The server returns the found address identifier of the second client to the first client.

The receiving unit 1202 is configured to receive the address identifier of the at least one second client which is correlated with the address identifier of the local client, returned by the server.

The address acquisition unit 1203 is configured to select at least one address identifier from the address identifier of the at least one second client returned by the server as the address identifier of the sharing client.

The address acquisition unit 1203 can select all the second clients returned by the server as sharing clients, or can select some of the second clients returned by the server as sharing clients, according to actual needs of users.

In one embodiment of the present disclosure, after multipoint login of the communication account from the browser of the first client and the browser of at least one second client, the first client can select at least one sharing client from the at least one second client according to the data sharing instruction, and sends the shared data in the browser of the first client to the sharing client, thereby realizing data sharing between the first client and the sharing client. In the embodiment of the present disclosure, the data sharing can be realized based on the communication account, the first client and the sharing client need not to be connected by wires. Therefore, the operations of the data sharing are simple and the efficiency of the data sharing is enhanced.

Fig. 7 is a schematic diagram of another client provided in one embodiment of the present disclosure. Referring to Fig. 7, the client can include a data acquisition module 101, an address acquisition module 102 and a sharing module 103 and a prompt module

104. Structures of the data acquisition module 101, the address acquisition module 102 and the sharing module 103 can refer to related description of the embodiments shown in Figs. 4-6, and will not be repeated here.

The prompt module 104 is configured to output a sharing prompt message according to a status of the shared data sent by the sharing module 103.

The sharing prompt message is configured to prompt the user of the sending status of the shared data. For example, the sharing prompt message can be “data is being sent”, “data sent successfully, please check”, or “data sent failure, the network is busy, please try again later” etc. The prompt module 104 outputs the sharing prompt message so that the user can intuitive clearly understand the sending status of the shared data, thereby enhancing interaction between the client and the user.

It should be noted, structures and functions of the client provided in the embodiment of the present disclosure can refer to specific implementations of the methods shown in Figs. 1-3, and will not be repeated here.

In this embodiment of the present disclosure, after multipoint login of the communication account from the browser of the first client and the browser of at least one second client, the first client can select at least one sharing client from the at least one second client according to the data sharing instruction, and sends the shared data in the browser of the first client to the sharing client, thereby realizing data sharing between the first client and the sharing client. In the embodiment of the present disclosure, the data sharing can be realized based on the communication account, the first client and the sharing client need not to be connected by wires. Therefore, the operations of the data sharing are simple and the efficiency of the data sharing is enhanced.

One embodiment of the present disclosure also provides a data sharing system, which includes a first client, at least one second client and a server. Structures of the first client can refer to related description of the embodiments shown in Figs. 4-7, and will not be repeated here. It should be noted, the system of the embodiment can be applied to the above method.

Fig. 8 is a schematic diagram of a server provided in one embodiment of the present disclosure. Referring to Fig. 8, the server can be server on the data sharing system and can include a recording module 201, a correlation processing module 202 and a request

response module 203.

The recording module 201 is configured to, after a communication account is logged in a browser of the first client, record an address identifier of the first client; after the communication account is logged in a browser of the at least one second client, record an
5 address identifier of the at least one second client.

The address identifier can uniquely identify the client. A communication with the client can be performed through the address identifier of the client. For example, the address identifier can be a phone number of a mobile terminal and other mobile terminals, PC's IP address, etc.

10 The correlation processing module 202 is configured to correlate the address identifier of the first client with the address identifier of the at least one second client.

The correlation processing module 202 is configured to correlate clients from which the same communication account is logged in multipoint with each other, so that data sharing can be realized between the correlated clients.

15 The request response module 203 is configured to return the address identifier of the at least one second client which is correlated with the address identifier of the first client to the first client according to the request of the first client.

It should be noted, structures and functions of the client provided in the embodiment of the present disclosure can refer to specific implementations of the methods shown in
20 Figs. 2-3, and will not be repeated here.

In this embodiment of the present disclosure, after multipoint login of the communication account from the browser of the first client and the browser of at least one second client, the first client can select at least one sharing client from the at least one second client according to the data sharing instruction, and sends the shared data in the
25 browser of the first client to the sharing client, thereby realizing data sharing between the first client and the sharing client. In the embodiment of the present disclosure, the data sharing can be realized based on the communication account, the first client and the sharing client need not to be connected by wires. Therefore, the operations of the data sharing are simple and the efficiency of the data sharing is enhanced.

30 Fig. 9 is a schematic diagram of a client provided in one embodiment of the present

disclosure. Referring to Fig. 9, the client may include a memory 901 and a processor 902.

The memory 901 may be to store a data acquisition instruction, an address acquisition instruction and a sharing instruction.

5 The processor 902 may be to communicate with the memory 901, execute the data acquisition instruction, the address acquisition instruction and the sharing instruction to respectively execute operations of the above data acquisition module 101, the address acquisition module 102 and the sharing module 103.

Fig. 10 is a schematic diagram of a server provided in one embodiment of the present disclosure. Referring to Fig. 10, the server may include a memory 801 and a
10 processor 802.

The memory 801 may be to store a recording instruction, a correlation processing instruction and a request response instruction.

The processor 802 may be to communicate with the memory 801, execute the recording instruction, the correlation processing instruction and the request response
15 instruction to respectively execute operations of the above recording module 201, the correlation processing module 202 and the request response module 203.

In various embodiments, a hardware module may be implemented mechanically or electronically. For example, a hardware module may comprise dedicated circuitry or logic that is permanently configured (e.g., as a special-purpose processor, such as a field
20 programmable gate array (FPGA) or an application-specific integrated circuit (ASIC)) to perform certain operations. A hardware module may also comprise programmable logic or circuitry (e.g., as encompassed within a general-purpose processor or other programmable processor) that is temporarily configured by software to perform certain operations. It will be appreciated that the decision to implement a hardware module mechanically, in
25 dedicated and permanently configured circuitry, or in temporarily configured circuitry (e.g., configured by software) may be driven by cost and time considerations.

What has been described and illustrated herein are examples of the disclosure along with some variations. The terms, descriptions and figures used herein are set forth by way of illustration only and are not meant as limitations. Many variations are possible
30 within the scope of the disclosure, which is intended to be defined by the following claims -- and their equivalents -- in which all terms are meant in their broadest reasonable

sense unless otherwise indicated.

What is Claimed is:

1. A data sharing method comprising:

logging in a browser of a first client and a browser of at least one second client using a communication account;

5 acquiring, by the first client, shared data from the browser of the first client if receiving a data sharing instruction;

selecting, by the first client, at least one sharing client from the at least one second client and acquiring an address identifier of each of the at least one sharing client;

10 sending, by the first client, the shared data to the at least one sharing client according to the address identifier of each of the at least one sharing client.

2. The method of claim 1, the method further comprising:

recording, by a server, an address identifier of the first client, upon the condition that using the communication account log in the browser of the first client;

15 recording, by the server, an address identifier of the at least one second client, upon the condition that using the communication account log in the browser of the at least one second client; and

correlating, by the server, the address identifier of the first client with the address identifier of the at least one second client.

20 3. The method of claim 2, wherein the acquiring, by the first client, shared data from the browser of the first client if receiving a data sharing instruction comprises:

when the first client receives the data sharing instruction of sharing data of a current webpage in the browser of the first client, acquiring, by the first client, shared data instructed by the data sharing instruction from the current webpage;

taking, by the first client, the acquired data as the shared data;

25 wherein the shared data comprises one or more of website, text data, picture data, audio data and video data.

4. The method of claim 2, wherein the selecting, by the first client, at least one

sharing client from the at least one second client and acquiring an address identifier of each of the at least one sharing client comprises:

requesting, by the first client, to the server for the address identifier of each of the at least one second client which is correlated with the address identifier of the first client;

5 receiving, by the first client, the address identifier of each of the at least one second client which is correlated with the address identifier of the first client, returned by the server;

selecting, by the first client, at least one address identifier from the address identifier of each of the at least one second client returned by the server as the address identifier of
10 the at least one sharing client.

5. The method of any one of claim from 1 to 4, wherein after the sending, by the first client, the shared data to the at least one sharing client according to the address identifier of each of the at least one sharing client, the method further comprises:

outputting, by the first client, a sharing prompt message according to a sending status
15 of the shared data.

6. The method of claim 5, wherein after the sending, by the first client, the shared data to the at least one sharing client according to the address identifier of each of the at least one sharing client, the method further comprises:

outputting, by the at least one sharing client, the shared data.

20 7. A client comprising:

a data acquisition module configured to, use a communication account to log in a browser of a first client and a browser of at least one second client, acquire shared data from the browser of the local client if receiving a data sharing instruction;

an address acquisition module configured to, select at least one sharing client from
25 the at least one second client, and acquiring an address identifier of each of the at least one sharing client;

a sharing module configured to send the shared data to the at least one sharing client according to the address identifier of each of the at least one sharing client.

8. The client of claim 7, wherein the data acquisition module comprises:

a data acquisition unit configured to, after receiving the data sharing instruction for data of a current webpage in the browser of the local client, acquire the data instructed by the data sharing instruction from the current webpage;

5 a data sharing confirmation unit configured to take the acquired data as the shared data;

wherein the shared data comprises one or more of website, text data, picture data, audio data and video data.

9. The client of claim 7, wherein the address acquisition module comprises:

10 a request unit configured to request to a server for an address identifier of each of the at least one second client which is correlated with an address identifier of the local client;

a receiving unit configured to receive the address identifier of each of the at least one second client which is correlated with the address identifier of the local client, returned by the server;

15 an address acquisition unit configured to select at least one address identifier from the address identifier of each of the at least one second client returned by the server as the address identifier of the at least one sharing client.

10. The client of any one of claim from 7 to 9, further comprising:

a prompt module configured to output a sharing prompt message according to a status of the shared data.

20 11. A data sharing system comprising a shared data providing client and a shared data receiving client;

wherein the shared data providing client comprises:

25 a data acquisition module configured to, after a communication account is logged in the shared data providing client and the shared data receiving client, acquire shared data from the shared data providing client if receiving a data sharing instruction;

an address acquisition module configured to, acquire an address identifier of the shared data receiving client;

a sharing module configured to send the shared data to the shared data receiving client according to the address identifier of the shared data receiving client.

the shared data receiving client is configured to receive the shared data and output the shared data.

12. The system of claim 11, wherein the system further comprises a server;

the shared data providing client is further configured to send a request message to the
5 server for requesting the address identifier of the shared data receiving client;

the server is configured to return the address identifier of the shared data receiving client to the shared data providing client.

13. The system of claim 12, wherein the server comprises:

a recording module configured to, after the communication account is logged in the
10 shared data providing client and the shared data receiving client, record an address identifier of the shared data providing client and the address identifier of the shared data receiving client;

a correlation processing module configured to correlate the address identifier of the shared data providing client with the address identifier of the shared data receiving client;

15 a request response module configured to return the address identifier of the shared data receiving client which is correlated with the address identifier of the shared data providing client to the shared data providing client according to the request message.

14. The system of claim 13, wherein the request message carries the communication account and the address identifier of the shared data providing client.

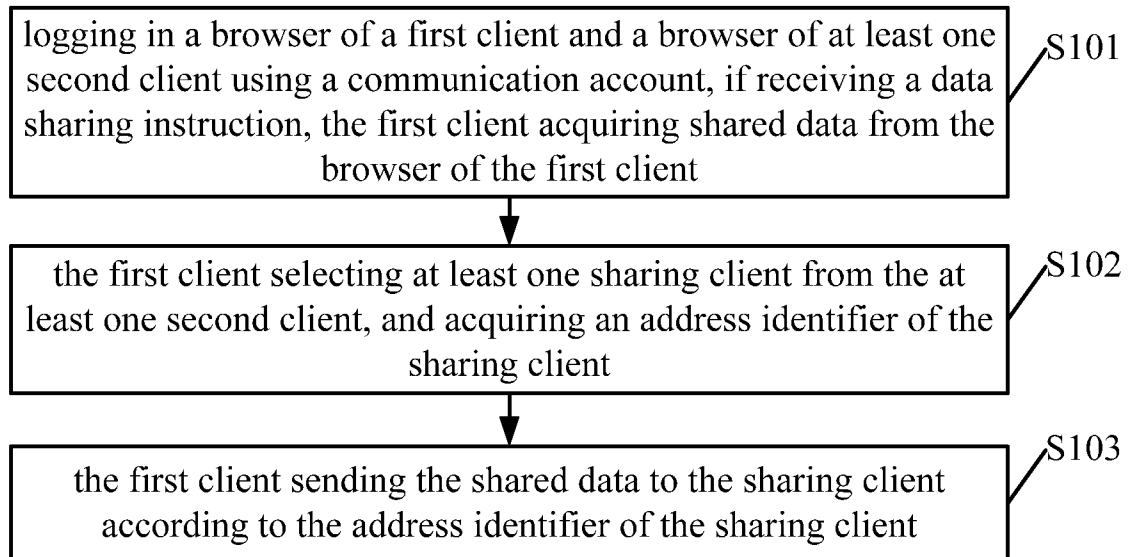


Fig. 1

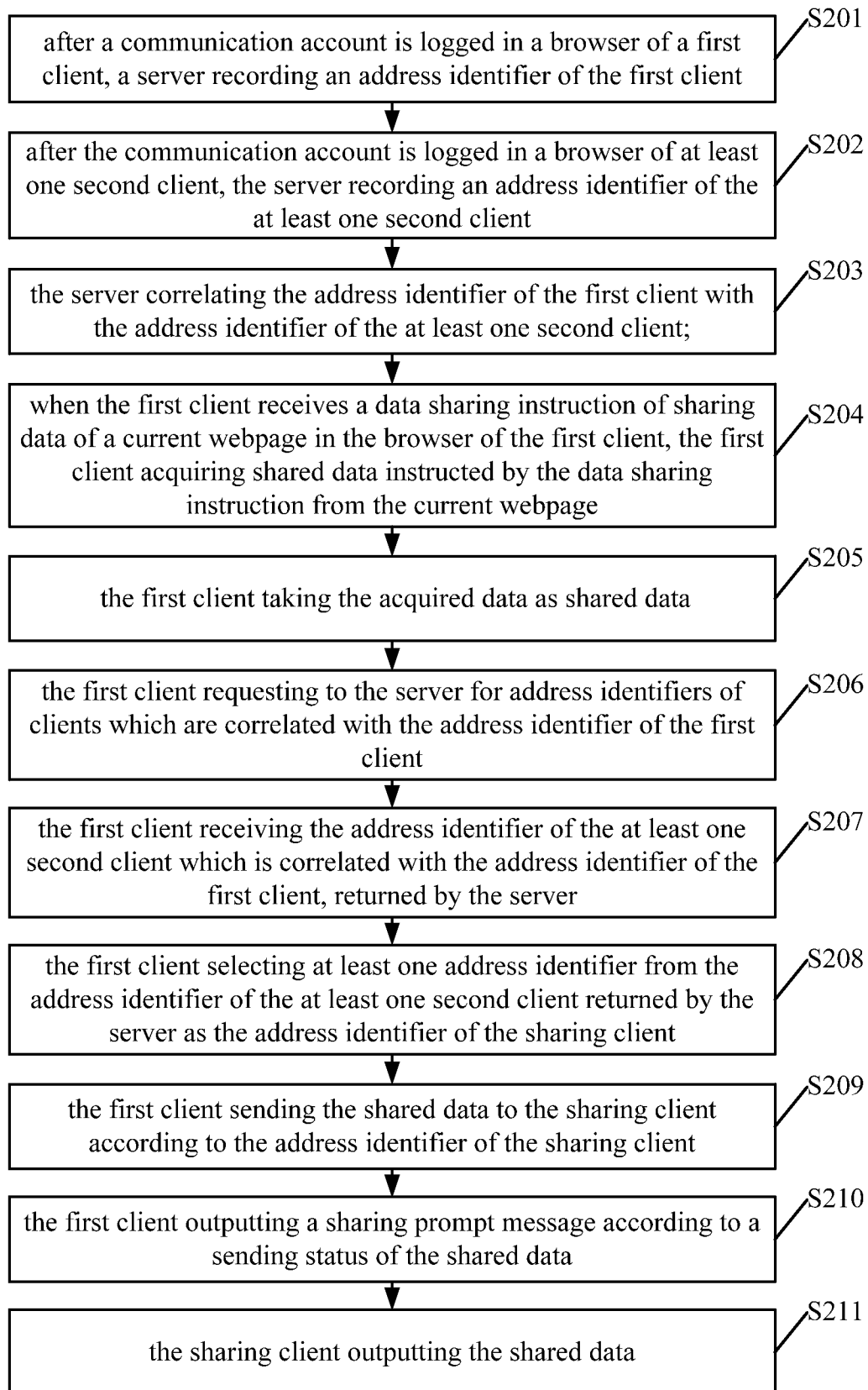


Fig. 2

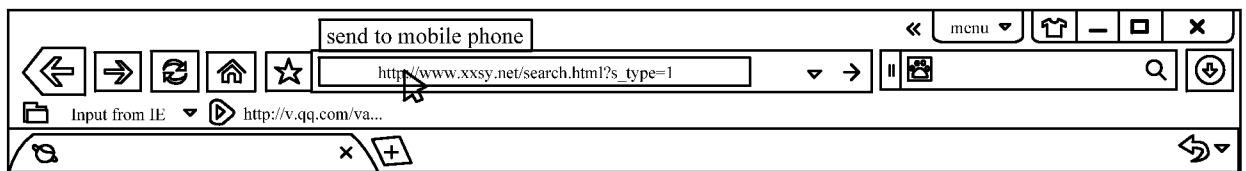


Fig. 3a

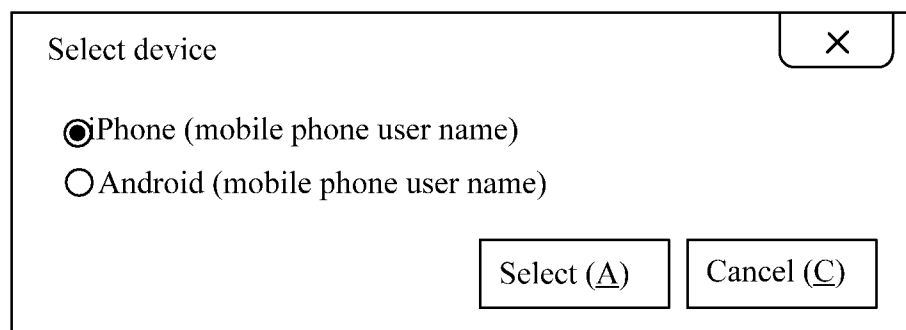


Fig. 3b

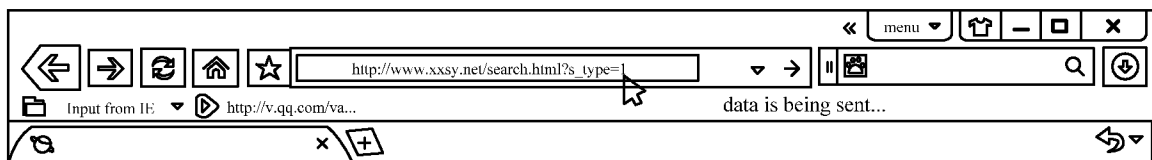


Fig. 3c

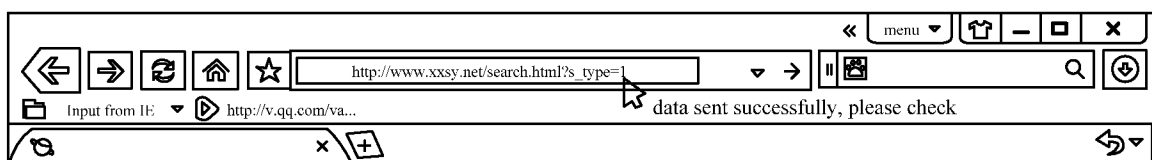


Fig. 3d

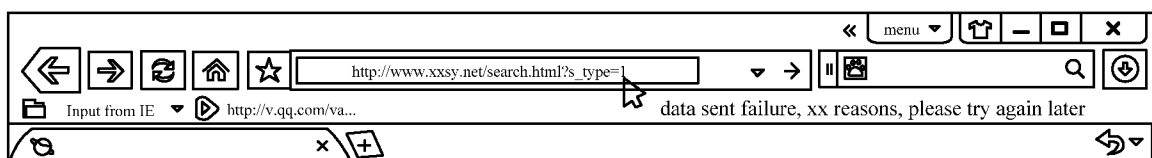


Fig. 3e

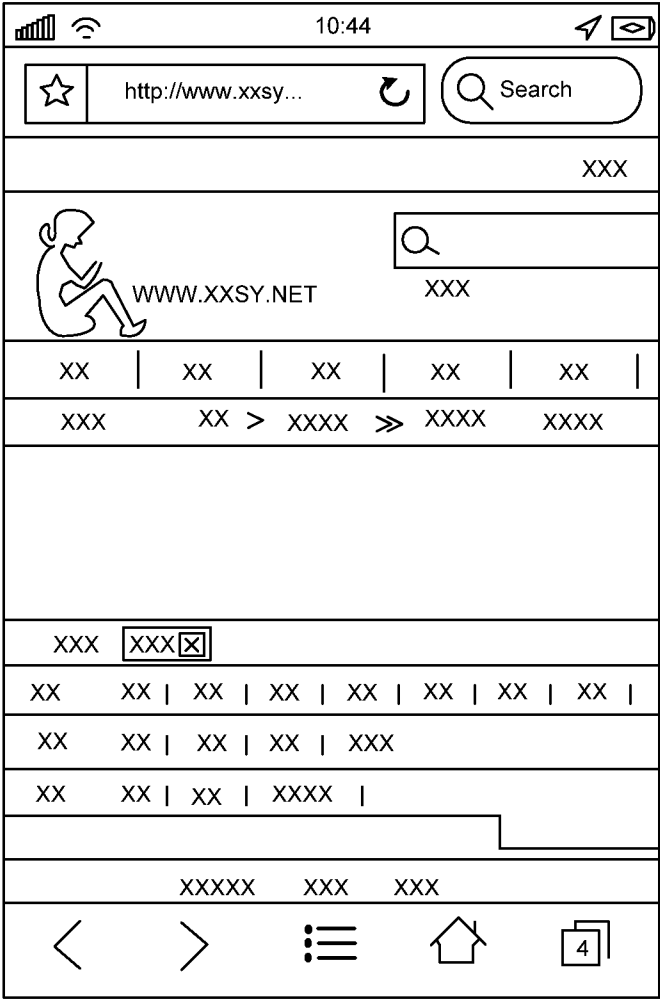


Fig. 3f

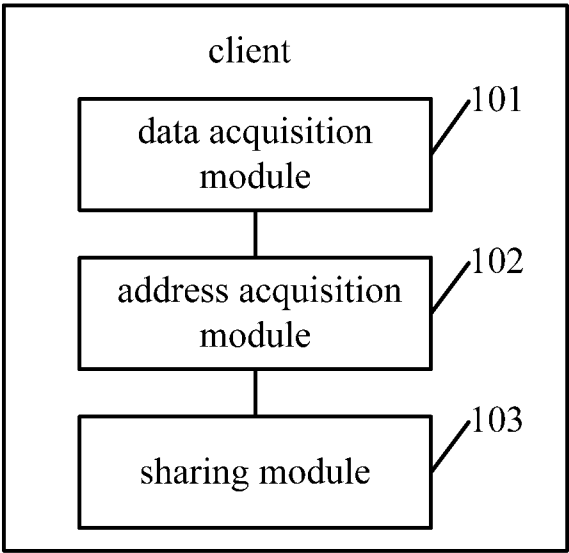


Fig. 4

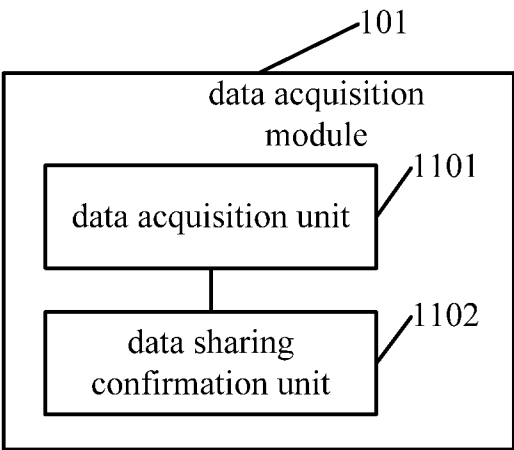


Fig. 5

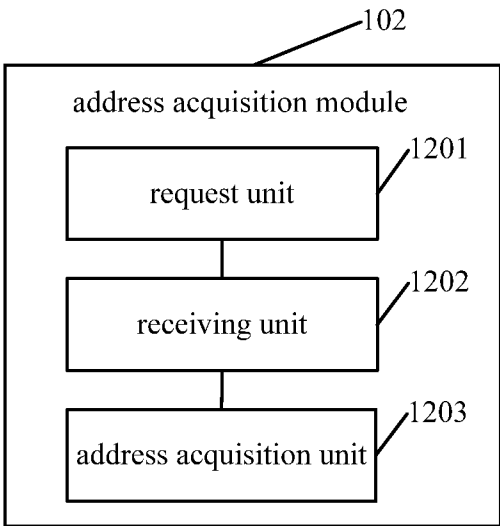


Fig. 6

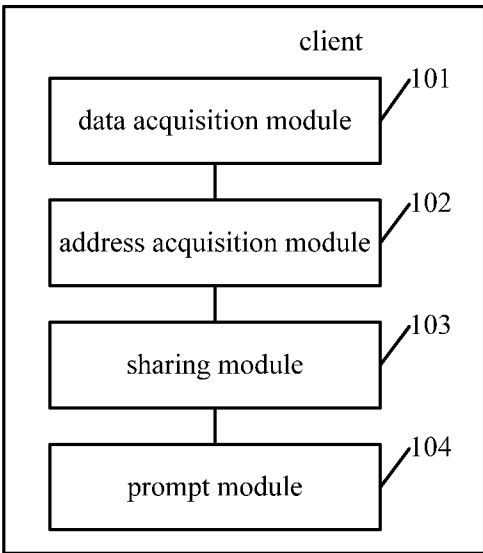


Fig. 7

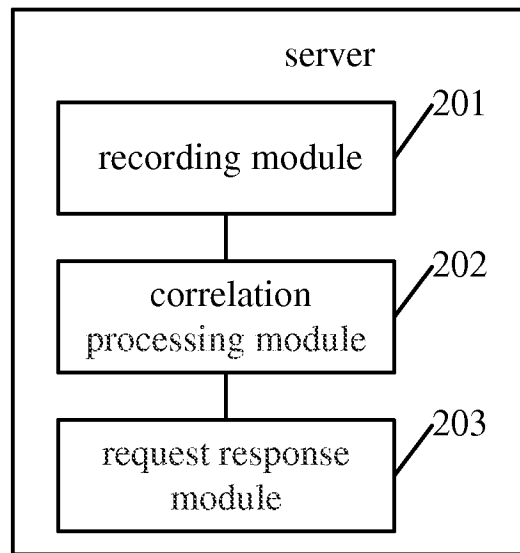


Fig. 8

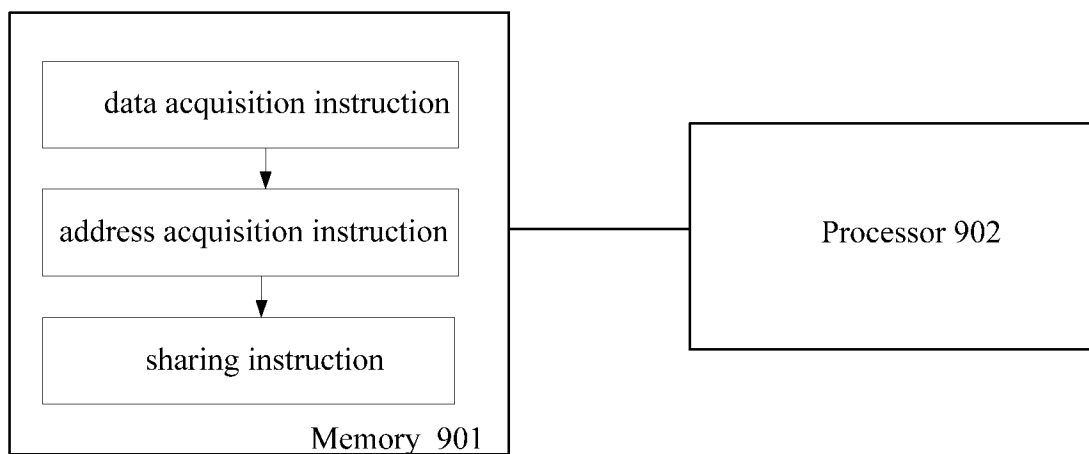


Fig. 9

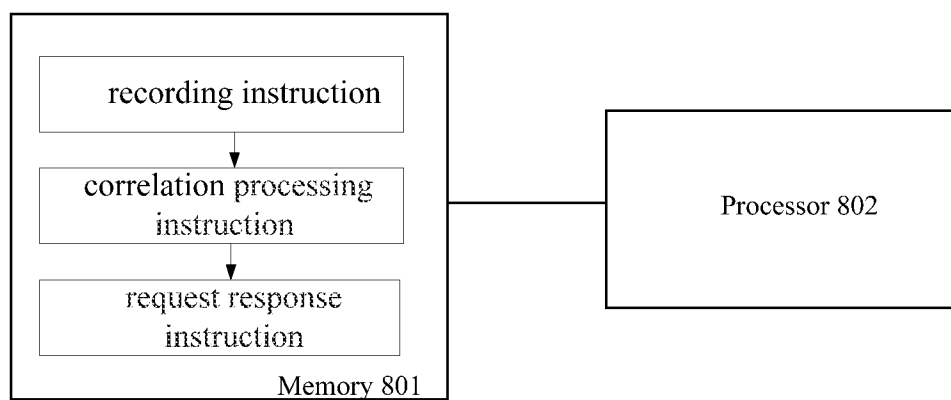


Fig. 10

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2013/090281

A. CLASSIFICATION OF SUBJECT MATTER

See the Extra Sheet

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC:G06F, H04L, H04W

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPODOC, CNTXT, CNABS, USTXT: client?, second+, shar+, address+, browser?, login+, data, ip, id+, text+, video+, correlate+

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 101924779 A (BEIJING SOGOU TECH. DEV. CO., LTD.) 22 Dec. 2010 (22.12.2010) see paragraphs [0004]-[0045], Figures 1-4	1-14
A	CN 102340540 A (HUIZHOU TCL MOBILE COMM. CO., LTD.) 01 Feb. 2012(01.02.2012) the whole document	1-14
A	CN 101933013 A (GOOGLE INC.) 29 Dec. 2010(29.12.2010) the whole document	1-14
A	US 6963901 B1 (INTERNATIONAL BUSINESS MACHINES CORP.) 08 Nov. 2005 (08.11.2005) the whole document	1-14
PX	CN 103024062 A (TENCENT TECHNOLOGY (SHENZHEN) CO., LTD.) 03 Apr. 2013(03.04.2013) the whole document	1-14

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:	“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
“A” document defining the general state of the art which is not considered to be of particular relevance	“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
“E” earlier application or patent but published on or after the international filing date	“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
“L” document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)	“&” document member of the same patent family
“O” document referring to an oral disclosure, use, exhibition or other means	
“P” document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
05 Mar. 2014(05.03.2014)Date of mailing of the international search report
03 Apr. 2014 (03.04.2014)Name and mailing address of the ISA/CN
The State Intellectual Property Office, the P.R.China
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Facsimile No. 86-10-62019451

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International application No.
PCT/CN2013/090281

Form PCT/ISA /210 (patent family annex) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2013/090281

CLASSIFICATION OF SUBJECT MATTER

H04L 29/08(2006.01) i

H04L 29/12(2006.01) i