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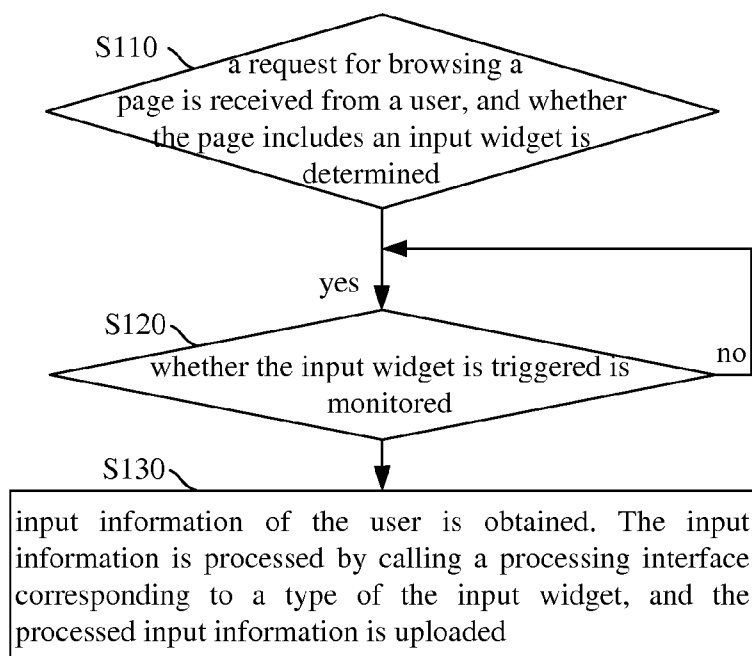
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(54) Title: METHOD AND APPARATUS FOR UPLOADING INFORMATION



(57) Abstract: According to an example, a request for browsing a web page is received from a user via a browser of a mobile terminal; whether the web page comprises an input widget is determined; whether the input widget is triggered is determined if the web page comprise the input widget; input information of the user is obtained when the input widget is triggered; the input information is processed by calling a processing interface corresponding to a type of the input widget; and processed input information is uploaded.

Fig. 1



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TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
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METHOD AND APPARATUS FOR UPLOADING INFORMATION

Field of the Invention

The present disclosure relates to browser technologies, more particularly to, a
5 method and apparatus for uploading information.

Background of the Invention

A mobile terminal browser refers to a browser running on a mobile terminal. The mobile terminal may be a mobile phone, a PAD and etc. Internet information may be browsed by using the mobile terminal browser via a wireless network. Along with the
10 development of the Internet, the browser is more and more important. Users may browse information via the browser, and may upload information via the browser, so that other users may browse the uploaded information.

Because of limitations caused by the mobile terminal and network bandwidth, when information is uploaded by the user via the mobile terminal, the format and size of the
15 information is always limited by the browser, especially when the information is a picture file. In addition, the user may need to process the picture before uploading the picture. In this way, the user has to exit the browser firstly and then uploads the picture after processing the picture by using a picture processing tool on the mobile terminal, which causes great inconvenience for the user.

20 Summary of the Invention

Examples of the present disclosure provide a method and apparatus for uploading information, so as to facilitate information uploading performed by a user via a mobile terminal browser.

A method for uploading information includes:

25 receiving a request for browsing a web page from a user via a browser of a mobile terminal;

determining whether the web page comprises an input widget;

determining whether the input widget is triggered if the web page comprises the input widget;

obtaining input information of the user when the input widget is triggered;
processing the input information by calling a processing interface corresponding to a type of the input widget; and
uploading processed input information.

5 An apparatus for uploading information includes:

a widget monitoring module, to receive a request for browsing a web page from a user, determine whether the web page comprise an input widget, and determining whether the input widget is triggered if the web page comprise the input widget; and

10 an information processing module, to obtain input information of the user when the input widget is triggered, process the input information by calling a processing interface corresponding to a type of the input widget, and upload processed input information.

According to the solutions of the present disclosure, when the user browses the web page and needs to upload information via the browser of the mobile terminal, the processing interface is called and used to process the input information of the user. In this way, the user does not need to exit the browser, thereby facilitating operations of the user.

Brief Description of the Drawings

Figure 1 is a schematic flowchart illustrating a method for uploading information according to various examples of the present disclosure.

20 Figure 2 is a schematic flowchart illustrating a procedure of detecting an input widget in a web page according to various examples of the present disclosure.

Figure 3 is a schematic flowchart illustrating a procedure of uploading information when an input widget is a picture input widget according to various examples of the present disclosure.

25 Figure 4 is a schematic flowchart illustrating a procedure of uploading information when an input widget is a text input widget according to various examples of the present disclosure.

Figure 5 is a schematic flowchart illustrating a procedure of uploading information when an input widget is an audio-video input widget according to various examples of the

present disclosure.

Figure 6 is a schematic flowchart illustrating a procedure of calling an processing interface based on a type of an input widget according to various examples of the present disclosure.

5 Figure 7 is a schematic diagram illustrating a structure of an apparatus for uploading information according to various examples of the present disclosure.

Figure 8 is a schematic diagram illustrating a structure of an information processing module in an apparatus for uploading information according to various examples of the present disclosure.

10 Detailed Description of the Invention

The examples of the present application provide the following technical solutions.

The following description is merely illustrative in nature and is in no way intended to limit the disclosure, its application, or uses. The broad teachings of the disclosure can be implemented in a variety of forms. Therefore, while this disclosure includes
15 particular examples, the true scope of the disclosure should not be so limited since other modifications will become apparent upon a study of the drawings, the specification, and the following claims. For purposes of clarity, the same reference numbers will be used in the drawings to identify similar elements.

The terms used in this specification generally have their ordinary meanings in the art,
20 within the context of the disclosure, and in the specific context where each term is used. Certain terms that are used to describe the disclosure are discussed below, or elsewhere in the specification, to provide additional guidance to the practitioner regarding the description of the disclosure. The use of examples anywhere in this specification, including examples of any terms discussed herein, is illustrative only, and in no way
25 limits the scope and meaning of the disclosure or of any exemplified term. Likewise, the disclosure is not limited to various embodiments given in this specification.

Reference throughout this specification to "one embodiment," "an embodiment," "specific embodiment," or the like in the singular or plural means that one or more

particular features, structures, or characteristics described in connection with an embodiment is included in at least one embodiment of the present disclosure. Thus, the appearances of the phrases "in one embodiment" or "in an embodiment," "in a specific embodiment," or the like in the singular or plural in various places throughout this
5 specification are not necessarily all referring to the same embodiment. Furthermore, the particular features, structures, or characteristics may be combined in any suitable manner in one or more embodiments.

As used in the description herein and throughout the claims that follow, the meaning of "a", "an", and "the" includes plural reference unless the context clearly dictates
10 otherwise. Also, as used in the description herein and throughout the claims that follow, the meaning of "in" includes "in" and "on" unless the context clearly dictates otherwise.

As used herein, the terms "comprising," "including," "having," "containing," "involving," and the like are to be understood to be open-ended, i.e., to mean including but not limited to.

15 As used herein, the phrase "at least one of A, B, and C" should be construed to mean a logical (A or B or C), using a non-exclusive logical OR. It should be understood that one or more steps within a method may be executed in different order (or concurrently) without altering the principles of the present disclosure.

As used herein, the term "module" may refer to, be part of, or include an Application
20 Specific Integrated Circuit (ASIC); an electronic circuit; a combinational logic circuit; a field programmable gate array (FPGA); a processor (shared, dedicated, or group) that executes code; other suitable hardware components that provide the described functionality; or a combination of some or all of the above, such as in a system-on-chip. The term module may include memory (shared, dedicated, or group) that stores code
25 executed by the processor.

The term "code", as used herein, may include software, firmware, and/or microcode, and may refer to programs, routines, functions, classes, and/or objects. The term "shared", as used herein, means that some or all code from multiple modules may be executed using a single (shared) processor. In addition, some or all code from multiple
30 modules may be stored by a single (shared) memory. The term "group", as used herein,

means that some or all code from a single module may be executed using a group of processors. In addition, some or all code from a single module may be stored using a group of memories.

The systems and methods described herein may be implemented by one or more computer programs executed by one or more processors. The computer programs include processor-executable instructions that are stored on a non-transitory tangible computer readable medium. The computer programs may also include stored data. Non-limiting examples of the non-transitory tangible computer readable medium are nonvolatile memory, magnetic storage, and optical storage.

The description will be made as to the various embodiments in conjunction with the accompanying drawings in FIGS. 1-8. It should be understood that specific embodiments described herein are merely intended to explain the present disclosure, but not intended to limit the present disclosure. In accordance with the purposes of this disclosure, as embodied and broadly described herein, this disclosure, in one aspect, relates to method and apparatus for uploading information.

Examples of mobile terminals that can be used in accordance with various embodiments include, but are not limited to, a tablet PC (including, but not limited to, Apple iPad and other touch-screen devices running Apple iOS, Microsoft Surface and other touch-screen devices running the Windows operating system, and tablet devices running the Android operating system), a mobile phone, a smartphone (including, but not limited to, an Apple iPhone, a Windows Phone and other smartphones running Windows Mobile or Pocket PC operating systems, and smartphones running the Android operating system, the Blackberry operating system, or the Symbian operating system), an e-reader (including, but not limited to, Amazon Kindle and Barnes & Noble Nook), a laptop computer (including, but not limited to, computers running Apple Mac operating system, Windows operating system, Android operating system and/or Google Chrome operating system), or an on-vehicle device running any of the above-mentioned operating systems or any other operating systems, all of which are well known to one skilled in the art.

Figure 1 is a schematic flowchart illustrating a method for uploading information according to various examples of the present disclosure. As shown in Figure 1, the

method includes the following processing.

At S110, a request for browsing a web page is received from a user, and whether the web page includes an input widget is determined. If the web page includes the input widget, processing at S120 is performed. If the web page does not include the input widget, the procedure is terminated.

At S120, whether the input widget is triggered is monitored. If the input widget is triggered, processing at S130 is performed. If the input widget is not triggered, processing at S120 is performed.

At S130, input information of the user is obtained. The input information is processed by calling a processing interface corresponding to a type of the input widget, and the processed input information is uploaded.

According to an example, the method for uploading information may be performed by a browser of a mobile terminal. The request may be received after the user inputs an address into an address bar of the mobile terminal browser, or may be received after the user points a hyperlink.

After receiving the request for browsing the web page, the browser obtains web page data from a network server, and displays the web page via a window of the browser. A background of the browser detects whether the web page data include an input widget. When the web page data includes the input widget and the input widget is triggered, a processing interface is called according to the type of the input widget and then is used to process the input information input by the user. The processed information is added to an input box of the web page. Or, the processed information may be stored in a temporary storing unit of the browser, and a storing path of the processed information is added to the input box of the web page. After the user points a button to trigger the information uploading, the background of the browser uploads the information in the input box of the web page to the network server.

According to an example, the method for uploading information may be performed by a server. After obtaining the input information and an information processing command, the browser of the mobile terminal sends the input information and the

information processing command to an information processing module of the server. The server processes the input information according to the information processing command. The server may directly upload a processing result to the network server. Or, the server may return the processing result to the browser to display the processing result, and
5 upload the processed input information to the network server after receiving an uploading request from the user. The server may be a transfer server or a cloud server located between the network server and the browser.

According to the example, information processing functions are performed by the server rather than the browser of the mobile terminal, thereby reducing calculating burden
10 of a processor in the mobile terminal.

In the examples of the present application, when the user browses the web page and needs to upload information via the browser of the mobile terminal, the processing interface is called and is used to process the input information of the user. In this way, the user does not need to exit the browser, thereby facilitating operations of the user.

15 As shown in Figure 2, the processing at S110 may be as follows.

At S111, the request for browsing the web page is received from the user, and web page data of the web page is obtained.

At S112, the web page data is parsed, and whether the web page data includes an input widget is determined.

20 After receiving the request for browsing the web page, the browser sends the request for browsing the web page to the network server and obtains the web page data corresponding to the web page from the network server. Then, the browser parses the web page data, generates a dom tree, and traverses tag data of each node in the dom tree. If the tag data includes a form tag, the browser establishes a form object according to content of
25 the form tag and configures attributes of the form object. If the tag data includes an input tag and a type attribute is file, the browser establishes an input object according to content of the input tag and adds variable attributes for the input object.

For example, when the input object is a text input object, a text variable is added for the input object and an initial value is false. After the input object is triggered, the text

variable is configured as true. When the input object is a picture input object, an image variable is added for the input object and an initial value is false. After the input object is triggered, the image variable is configured as true. When the input object is an audio-video input object, a video variable is added for the input object and an initial value is false. After the input object is triggered, the video variable is configured as true.

After the dom tree is traversed, it is determined whether there is an input object. If there is the input object, it is determined that the web page data includes the input widget. If the input widget is included, the variable change of the input object is monitored to determine whether the input widget is triggered.

10 As shown in Figure 3, when the input widget is a picture input widget, the processing at S130 may be as follows.

At S131, a picture selector is opened when the picture input widget is triggered.

At S132, a picture selecting instruction is received from the user and a picture file corresponding to the picture selecting instruction is obtained.

15 At S133, picture processing is performed for the picture file by calling a picture processing interface, and the processed picture file is uploaded.

According to an example, after it is determined that the image variable of the input object is configured as true, the picture selector is opened for the user to select a picture. For example, by using the picture selector, the user may obtain a picture file stored in the mobile terminal, or the user may select a picture link on the network to obtain a picture file on the network, or the user may obtain a picture file shot by a camera device of the mobile terminal. After the picture file is obtained, the picture processing interface is called to perform picture processing for the picture file. A storing path of the processed information is added to the input box of the web page.

25 For the purpose of not occupying stage space of the browser, the processed picture file is stored in the temporary storing unit of the browser of mobile terminal. The storing path of the information is a storing path of the processed picture file in the temporary storing unit. After receiving the uploading request, the processed picture file is obtained from the temporary storing unit according to the storing path in the input box, and then

the processed picture file is uploaded.

According to various examples, the picture processing includes at least one of image cropping, image format conversion, image compression, image filter. After the picture processing, the picture to be uploaded satisfies requirements of the browser and also
5 satisfies requirements of the user, and thus the user may obtain the picture with satisfied picture effect.

As shown in Figure 4, when an input widget is a text input widget, the processing at S130 may include be as follows.

At S134, text information input by the user is obtained when the text input widget is
10 triggered.

At S135, a text processing interface is called to perform text processing for the text information, and the processed text information is uploaded.

According to an example, after it is determined that the text variable of the input object is configured as true, the text information input by the user is obtained. The text
15 processing interface is called to perform text processing for the text information. A storing path of the processed information is added to the input box of the web page.

For the purpose of not occupying stage space of the browser, the processed text information is stored in the temporary storing unit of the browser of mobile terminal. The storing path of the information is a storing path of the processed text information in the
20 temporary storing unit. After receiving the uploading request, the processed text information is obtained from the temporary storing unit and then the processed text information is uploaded.

According to various examples, the text processing includes at least one of changing text size, changing text color, changing text effects. After the text processing, the text to
25 be uploaded satisfies requirements of the user, so that the user may obtain the text with satisfied text effect.

As shown in Figure 5, when the input widget is an audio-video input widget, the processing at S130 may be as follows.

At S136, an audio-video selector is opened when the audio-video input widget is triggered.

At S137, an audio-video selecting instruction is received from the user and an audio-video file corresponding to the audio-video selecting instruction is obtained.

5 At S138, audio-video processing is performed for the audio-video file by calling an audio-video processing interface, and the processed audio-video file is uploaded.

According to an example, after it is determined that the video variable of the input object is configured as true, the audio-video selector is opened for the user to select an audio-video file. For example, by using the audio-video selector, the user may obtain an
10 audio-video file stored in the mobile terminal, or the user may select an audio-video link on the network to obtain an audio-video file on the network, or the user may obtain an audio-video file shot by a camera device of the mobile terminal. After the audio-video file is obtained, the audio-video processing interface is called to process the audio-video file. A storing path of the processed information is added to the input box of the web page.

15 The storing path of the information is a storing path of the processed audio-video file in temporary storing unit. After receiving the uploading request, the processed audio-video file is obtained from the temporary storing unit according to the storing path in the input box, and then the processed audio-video file is uploaded.

According to various examples, the processing for the audio-video file includes at
20 least one of audio-video format conversion, encoding and decoding format conversion, file compression.

Figure 6 is a schematic flowchart illustrating a procedure of calling a processing interface based on a type of an input widget according to various examples of the present disclosure. As shown in Figure 6, the procedure includes the following processing.

25 At S1321, it is determined whether there is an information processing interface corresponding to the type of the input widget. If there is the information processing interface corresponding to the type of the input widget, processing at S1323 is performed, if there is no information processing interface corresponding to the type of the input widget, processing at S1322 is performed.

At S1322, information processing plug-in is downloaded and installed automatically. After the installation is successful, the input information is processed by calling the information processing plug-in.

At S1323, the input information is processed by calling the information processing
5 interface corresponding to the type of the input widget.

When the processing interface is called, it may be determined whether a processing program corresponding to the type of the input widget is installed. If the processing program corresponding to the type of the input widget is installed, the input information is processed by directly calling the information processing interface corresponding to the
10 type of the input widget. If the processing program corresponding to the type of the input widget is not installed, the information processing plug-in is downloaded and installed automatically. After the installation is finished, the input information is processed by calling the information processing plug-in.

The information processing interface may be embedded into the browser of the
15 mobile terminal when the browser is released. Or the information processing interface may be installed in the procedure of using the browser after downloading the information processing plug-in, so that the browser may call the information processing interface to process information when needing to upload the information.

Figure 7 is a schematic diagram illustrating a structure of an apparatus for uploading
20 information according to various examples of the present disclosure. As shown in Figure 7, the apparatus includes a widget monitoring module 110 and an information processing module 120.

The widget monitoring module 110 is to receive a request for browsing a web page from a user, determine whether the web page includes an input widget, and monitor
25 whether the input widget is triggered if the web page includes the input widget.

The information processing module 120 is to obtain input information of the user when the input widget is triggered, process the input information by calling a processing interface corresponding to a type of the input widget, and upload processed input information.

According to an example, the apparatus may be located in a browser of a mobile terminal. The request may be received after the user inputs an address into an address bar of the mobile terminal browser, or may be received after the user points a hyperlink.

After receiving the request for browsing the web page, the browser obtains web page data from a network server, and displays the web page via a window of the browser. The widget monitoring 110 detects whether the web page data includes an input widget. When the web page data includes the input widget and the input widget is triggered, the information processing module 120 calls a processing interface corresponding to the type of the input widget, processes the input information of the user, and adds the processed information to an input box of the web page. Or, the processed information may be stored in a temporary storing unit of the browser, and a storing path of the processed information is added to the input box of the web page. After the user points a button to trigger the information uploading, the information processing module 120 uploads the information in the input box of the web page to the network server.

According to an example, the apparatus for uploading information may be located in a server. After obtaining the input information and an information processing command, the browser of the mobile terminal sends the input information and the information processing command to an information processing module of the server. The server processes the input information according to the information processing command. The server may directly upload a processing result to the network server. Or, the server may return the processing result to the browser to display the processing result, and upload the processed input information to the network server after receiving an uploading request from the user. The server may be a transfer server, or a cloud server located between the network server and the browser.

According to the example, information processing functions are performed by the server rather than the browser of the mobile terminal, thereby reducing calculating burden of a processor in the mobile terminal.

In the examples of the present application, when the user browses the web page and needs to upload information via the browser of the mobile terminal, the processing interface is called and is used to process the input information of the user. In this way, the

user does not need to exit the browser, thereby facilitating operations of the user.

The widget monitoring module 110 is to receive the request for browsing the web page from the user, obtain web page data of the web page, parse the web page data, determine whether the web page data includes an input widget, and monitor whether the input widget is triggered if the web page data includes the input widget.

According to an example, the widget monitoring module 110 is to receive the request for browsing the web page from the user. The browser sends the request for browsing the web page to the network server, and obtains the web page data of the web page from the network server. Then the widget monitoring module 110 parses the web page data and determines whether the web page data includes the input widget. If the web page data includes the input widget, the widget monitoring module 110 monitors whether the input widget is triggered.

Figure 8 is a schematic diagram illustrating a structure of an information processing module in an apparatus for processing information uploaded by a mobile terminal browser according to various examples of the present disclosure. As shown in Figure 8, the information processing module 120 includes an input information obtaining unit 121 and an interface calling unit 122.

When the input widget is a picture input widget,

the input information obtaining unit 121 is to open a picture selector when the picture input widget is triggered, receive a picture selecting instruction from the user and obtain a picture file corresponding to the picture selecting instruction;

the interface calling unit 122 is to perform picture processing for the picture file by calling a picture processing interface, add a path of the processed picture file to an input box of the page, and upload the processed picture file.

According to an example, after determining the picture input widget is triggered, the input information obtaining unit 121 opens the picture selector for the user to select a picture. For example, by using the picture selector, the user may obtain a picture file stored in the mobile terminal, or the user may select a picture link on the network to obtain a picture file on the network, or the user may obtain a picture file shot by a camera

device of the mobile terminal. After the user selects the picture file by using the picture selector, the interface calling unit 122 obtains the picture file selected by the user, calls the picture processing interface to perform picture processing for the picture file and adds a storing path of the processed information to the input box of the web page.

5 For the purpose of not occupying stage space of the browser, the processed picture file is stored in the temporary storing unit of the browser of mobile terminal. The storing path of the information is a storing path of the processed picture file in the temporary storing unit. After receiving the uploading request, the processed picture file is obtained from the temporary storing unit according to the storing path in the input box, and then
10 the processed picture file is uploaded.

According to various examples, the picture processing includes at least one of image cropping, image format conversion, image compression, image filter. After the picture processing, the picture to be uploaded satisfies requirements of the browser and also satisfies requirements of the user, and thus the user may obtain the picture with satisfied
15 picture effect.

When the input widget includes a text input widget, the input information obtaining unit 121 is to obtain text information input by the user when the text input widget is triggered. The interface calling unit 122 is to call a text processing interface to perform text processing for the text information, add the processed text information to an input
20 box of the web page, and upload the processed text information.

According to an example, after it is determined that the text variable of the input object is configured as true, the text information input by the user is obtained. The text processing interface is called to perform text processing for the text information. A storing path of the processed information is added to the input box of the web page.

25 For the purpose of not occupying stage space of the browser, the processed text information is stored in the temporary storing unit of the browser of mobile terminal. The storing path of the information is a storing path of the processed text information in the temporary storing unit. After receiving the uploading request, the processed text information is obtained from the temporary storing unit and then the processed text
30 information is uploaded.

According to various examples, the text processing includes at least one of changing text size, changing text color, changing text effects. After the text processing, the text to be uploaded satisfies requirements of the user, so that the user may obtain the text with satisfied text effect.

5 When the input widget is an audio-video input widget,

the input information obtaining unit 121 is to open an audio-video selector when the audio-video input widget is triggered, receive an audio-video selecting instruction from the user and obtain an audio-video file corresponding to the audio-video selecting instruction;

10 the interface calling unit 122 is to perform audio-video processing for the audio-video file by calling an audio-video processing interface, add a path of the processed audio-video file to an input box of the web page, and upload the processed audio-video file.

According to an example, after it is determined that the video variable of the input
15 object is configured as true, the audio-video selector is opened for the user to select an audio-video file. After the audio-video file is obtained, the audio-video processing interface is called to process the audio-video file. A storing path of the processed information is added to the input box of the web page. After receiving the uploading request, the processed audio-video file is obtained from the temporary storing unit
20 according to the storing path in the input box, and then the processed audio-video file is uploaded.

According to various examples, the processing for the audio-video file includes at least one of audio-video format conversion, encoding and decoding format conversion, file compression.

25 According to an example, the information processing module 120 is further to determine whether there is an information processing interface corresponding to the type of the input widget, download. When there is no information processing interface corresponding to the type of the input widget, the information processing module 120 is to download and install information processing plug-in automatically, and process the

input information by calling the information processing plug-in. When there is the information processing interface corresponding to the type of the input widget, the information processing module 120 is to process the input information by calling the information processing interface corresponding to the type of the input widget.

5 The information processing interface may be embedded into the browser of the mobile terminal when the browser is released. Or the information processing interface may be installed in the procedure of using the browser after downloading the information processing plug-in, so that the browser may call the information processing interface to process information when needing to upload the information.

10 Therefore, when the information processing interface is called, whether there is the information processing interface in the browser of the mobile terminal is determined, when there is no information processing interface corresponding to the type of the input widget, the information processing plug-in is downloaded and installed automatically, thereby facilitating operations of the user.

15 The methods and modules described herein may be implemented by hardware, machine-readable instructions or a combination of hardware and machine-readable instructions. Machine-readable instructions used in the examples disclosed herein may be stored in storage medium readable by multiple processors, such as hard drive, CD-ROM, DVD, compact disk, floppy disk, magnetic tape drive, RAM, ROM or other proper
20 storage device. Or, at least part of the machine-readable instructions may be substituted by specific-purpose hardware, such as custom integrated circuits, gate array, FPGA, PLD and specific-purpose computers and so on.

A machine-readable storage medium is also provided, which is to store instructions to cause a machine to execute a method as described herein. Specifically, a system or
25 apparatus having a storage medium that stores machine-readable program codes for implementing functions of any of the above examples and that may make the system or the apparatus (or CPU or MPU) read and execute the program codes stored in the storage medium.

In this situation, the program codes read from the storage medium may implement
30 any one of the above examples, thus the program codes and the storage medium storing

the program codes are part of the technical scheme.

The storage medium for providing the program codes may include floppy disk, hard drive, magneto-optical disk, compact disk (such as CD-ROM, CD-R, CD-RW, DVD-ROM, DVD-RAM, DVD-RW, DVD+RW), magnetic tape drive, Flash card, ROM
5 and so on. Optionally, the program code may be downloaded from a server computer via a communication network.

It should be noted that, alternatively to the program codes being executed by a computer, at least part of the operations performed by the program codes may be implemented by an operation system running in a computer following instructions based
10 on the program codes to realize a technical scheme of any of the above examples.

In addition, the program codes implemented from a storage medium are written in storage in an extension board inserted in the computer or in storage in an extension unit connected to the computer. In this example, a CPU in the extension board or the extension unit executes at least part of the operations according to the instructions based on the
15 program codes to realize a technical scheme of any of the above examples.

The foregoing is only preferred examples of the present disclosure and is not used to limit the protection scope of the present disclosure. Any modification, equivalent substitution and improvement without departing from the spirit and principle of the present disclosure are within the protection scope of the present disclosure.

Claims

1. A method for uploading information, comprising:

receiving a request for browsing a web page from a user via a browser of a mobile terminal;

5 determining whether the web page comprises an input widget;

determining whether the input widget is triggered if the web page comprises the input widget;

obtaining input information of the user when the input widget is triggered;

processing the input information by calling a processing interface corresponding to a

10 type of the input widget; and

uploading processed input information.

2. The method of claim 1, wherein determining whether the web page comprises the input widget; and determining whether the input widget is triggered if the web page comprises the input widget, comprises:

15 parsing web page data obtained after receiving the request for browsing the web page;

determining whether the web page data comprises the input widget; and

determining whether the input widget is triggered if the web page data comprises the input widget.

20 3. The method of claim 2, wherein the input widget comprises a picture input widget; and

obtaining the input information of the user when the input widget is triggered; processing the input information by calling a processing interface corresponding to the type of the input widget; and uploading the processed input information, comprises:

25 opening a picture selector when the picture input widget is triggered;

receiving a picture selecting instruction from the user;

obtaining a picture file corresponding to the picture selecting instruction;

performing picture processing for the picture file by calling a picture processing interface, and

30 uploading processed picture file.

4. The method of claim 3, wherein the picture processing comprises at least one of

image cropping, image format conversion, image compression, and image filter.

5. The method of claim 2, wherein the input widget comprises a text input widget; and

obtaining the input information of the user when the input widget is triggered;
5 processing the input information by calling a processing interface corresponding to the type of the input widget; and uploading the processed input information, comprises:

obtaining text information input by the user when the text input widget is triggered;
processing the text information by calling a text processing interface, and
uploading processed text information.

10 6. The method of claim 2, wherein the input widget comprises an audio-video input widget; and

obtaining the input information of the user when the input widget is triggered;
processing the input information by calling a processing interface corresponding to the type of the input widget; and uploading the processed input information, comprises:

15 opening an audio-video selector when the audio-video input widget is triggered;
receiving an audio-video selecting instruction from the user;
obtaining an audio-video file corresponding to the audio-video selecting instruction;
processing the audio-video file by calling an audio-video processing interface; and
uploading processed audio-video file.

20 7. The method of any of claims 1 to 6, wherein processing the input information by calling the processing interface corresponding to the type of the input widget, comprises:

determining whether there is an information processing interface corresponding to the type of the input widget;

if there is no information processing interface corresponding to the type of the input
25 widget, downloading and installing information processing plug-in automatically, and processing the input information by calling the information processing plug-in;

if there is the information processing interface corresponding to the type of the input widget, processing the input information by calling the information processing interface corresponding to the type of the input widget.

30 8. An apparatus for uploading information, comprising:

a widget monitoring module, to receive a request for browsing a web page from a user, determine whether the web page comprise an input widget, and determining whether the input widget is triggered if the web page comprise the input widget; and

an information processing module, to obtain input information of the user when the input widget is triggered, process the input information by calling a processing interface corresponding to a type of the input widget, and upload processed input information.

9. The apparatus of claim 8, wherein

5 the widget monitoring module is to receive the request for browsing the web page from the user, obtain web page data of the web page; parse the web page data; determine whether the web page data comprises the input widget; and determine whether the input widget is triggered if the web page data comprise the input widget.

10 10. The apparatus of claim 9, wherein the input widget comprises at least one of a picture input widget, a text input widget, and an audio-video input widget.

11. The apparatus of any of claims 8 to 10, wherein

the information processing module is further to

determine whether there is an information processing interface corresponding to the type of the input widget;

15 if there is no information processing interface corresponding to the type of the input widget, download and install information processing plug-in automatically; and process the input information by calling the information processing plug-in;

if there is the information processing interface corresponding to the type of the input widget, process the input information by calling the information processing interface
20 corresponding to the type of the input widget.

12. The apparatus of any of claims 8 to 10, wherein the apparatus is located in a browser of a mobile terminal or located in a server.

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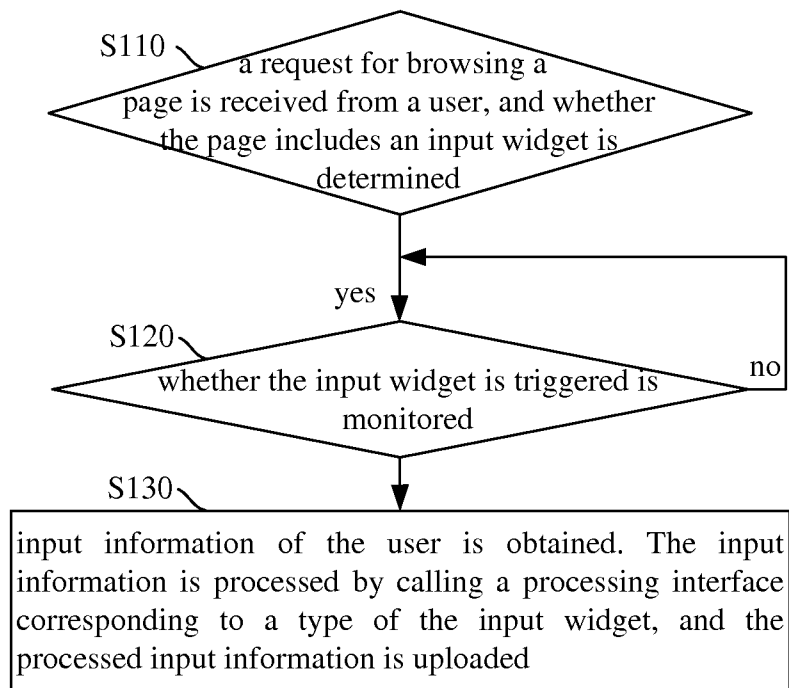


Fig. 1

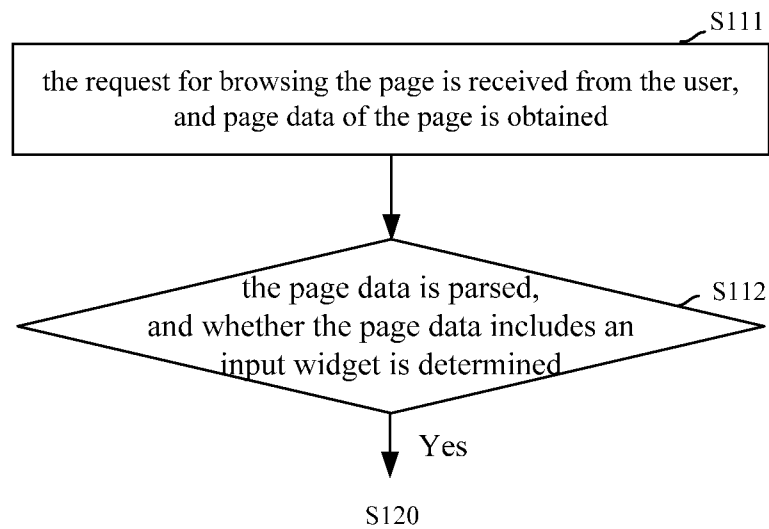


Fig. 2

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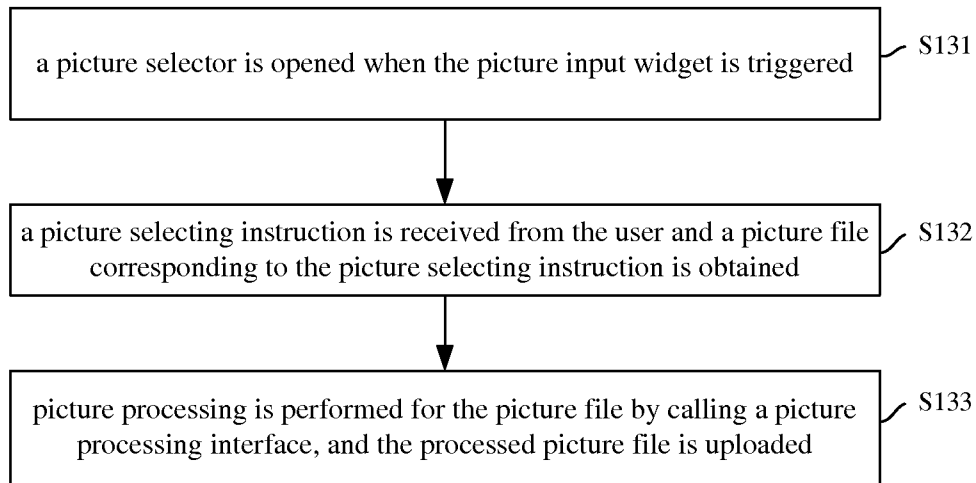


Fig. 3

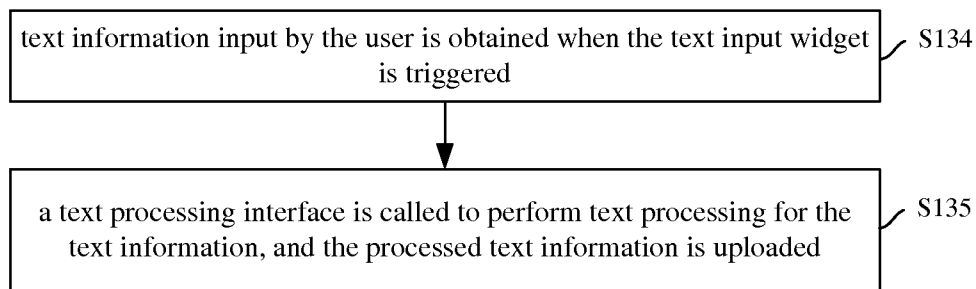


Fig. 4

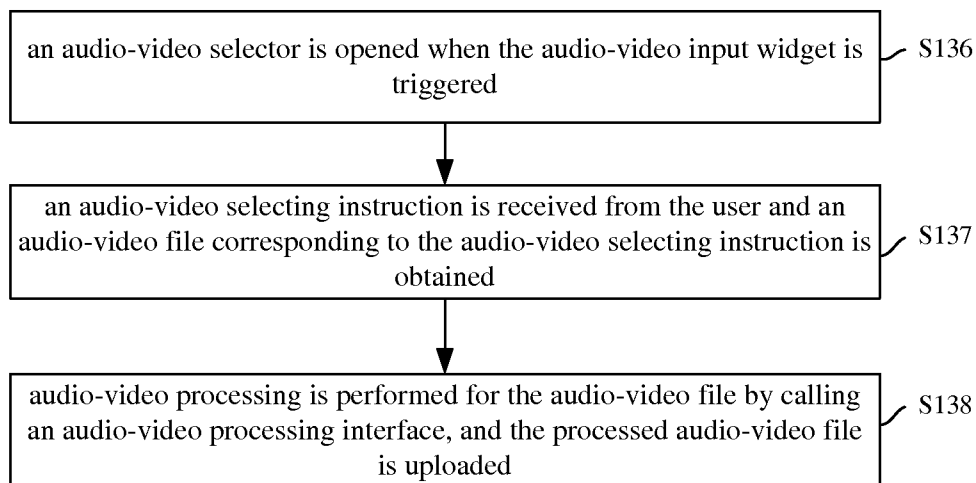


Fig. 5

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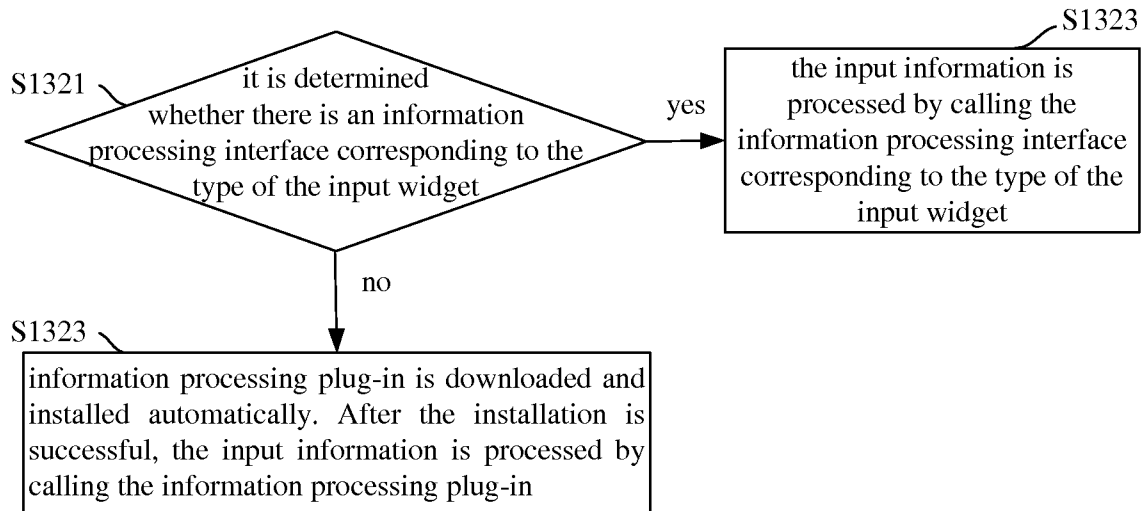


Fig. 6

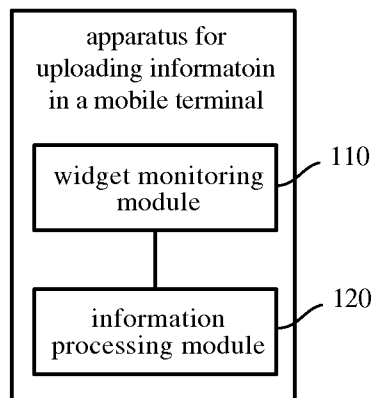


Fig. 7

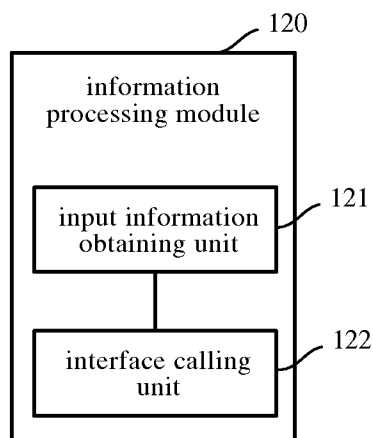


Fig. 8

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2013/087289

A. CLASSIFICATION OF SUBJECT MATTER

G06F 9/45 (2006.01) i

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 9/-

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)

CNKI, CNABS, VEN: mobile, terminal?, phone?, PAD, browser, widget, information, input, upload+

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2012260158 A1 (STEELBERG Ryan) 11 October 2012 (11.10.2012) description paragraphs [0002], [0125]-[0156], figures 13-21	1-12
Y	CN 102685213 A (GUANGZHOU DONGJING COMPUTER TECHNOLOGY) 19 September 2012 (19.09.2012) description paragraphs [0034], [0042], fig. 2	1-12

☐ 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 14 Feb.2014 (14.02.2014)	Date of mailing of the international search report 27 Feb. 2014 (27.02.2014)
Name and mailing address of the ISA/CN The State Intellectual Property Office, the P.R.China 6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China 100088 Facsimile No. 86-10-62019451	Authorized officer MA, Yafan Telephone No. (86-10)62089420

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