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(71) Applicant: **TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED** [CN/CN]; Room 403, East Block 2, SEG Park, Zhenxing Road, Futian District, Shenzhen, Guangdong 518000 (CN).

(72) Inventor: **ZHOU, Daxin**; Room 403, East Block 2, SEG Park, Zhenxing Road, Futian District, Shenzhen, Guangdong 518000 (CN).

(74) Agent: **DEQI INTELLECTUAL PROPERTY LAW CORPORATION**; 7/F, Xueyuan International Tower, No.1 Zhichun Road, Haidian District, Beijing 100083 (CN).

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(54) Title: METHOD AND DEVICE FOR ACCESSING WEBSITES VIA KEYWORDS

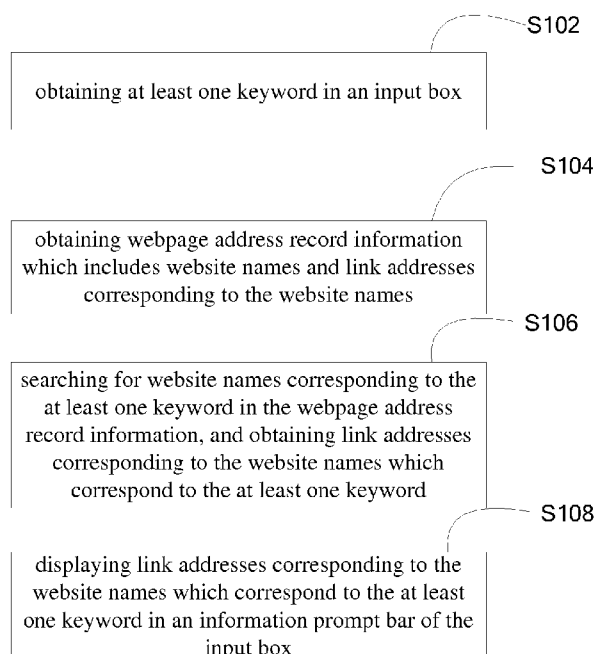


Fig. 1

(57) Abstract: A method for accessing websites via keywords is described. After obtaining at least one keyword in an input box, obtaining webpage address record information which includes website names and link addresses corresponding to the website names. Searching for website names corresponding to the at least one keyword in the webpage address record information, and obtaining link addresses corresponding to the website names which correspond to the at least one keyword. Displaying the link addresses corresponding to the website names which correspond to the at least one keyword in an information prompt bar of the input box. A device for accessing websites via keywords is also described. The above method and device for accessing websites via keywords can improve operating convenience.

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METHOD AND DEVICE FOR ACCESSING WEBSITES VIA KEYWORDS

This application claims the benefit of priority from Chinese Patent Application, No. 201210512646.9, filed on December 4, 2012, the entire contents of which are hereby
5 incorporated by reference.

Field of the Disclosure

The present disclosure relates to internet technology, and more particularly to a method and device for accessing websites via keywords.

Background

10 In the existing internet technology, domain names of websites all are English strings due to limitations of the domain name system (DNS). Even if a website is a Chinese website (i.e., the website has a Chinese website name, such as Tencent website, kaixin website and so on), users also need to input a corresponding English domain name in a browser's address bar so as to access the website.

15 In a typical technique, some browsers integrate search functions in their address bars. A user can obtain a corresponding search page by inputting keywords in an address bar. The search page displays webpage links corresponding to the input keywords, and the user can select one of the webpage links to access a corresponding website.

20 However, the above method for accessing websites via keywords requires the user first to input Chinese keywords and then to perform operations of selecting webpage links, which causes the user's operation efficiency low, thus, the above method for accessing websites via keywords lacks operating convenience.

Summary

25 One embodiment of the present disclosure provides a method for accessing websites via keywords, which can improve operating convenience.

A method for accessing websites via keywords includes:

obtaining at least one keyword in an input box;

obtaining webpage address record information which includes website names and link addresses corresponding to the website names;

5 searching for website names corresponding to the at least one keyword in the webpage address record information, and obtaining link addresses corresponding to the website names which correspond to the at least one keyword;

displaying the link addresses corresponding to the website names which correspond to the at least one keyword in an information prompt bar of the input box.

10 One embodiment of the present disclosure provides a device for accessing websites via keywords, which can improve operating convenience.

A device for accessing websites via keywords includes:

a keyword obtaining module configured to obtain at least one keyword in an input box;

15 a webpage address record obtaining module configured to obtain webpage address record information which includes website names and link addresses corresponding to the website names;

a link address obtaining module configured to search for website names corresponding to the at least one keyword in the webpage address record information, and obtaining link addresses corresponding to the website names which correspond to the at least one keyword;

20 a prompt module configured to display the link addresses corresponding to the website names which correspond to the at least one keyword in an information prompt bar of the input box.

One embodiment of the present disclosure provides a computing device comprising
25 a processor and a memory; wherein the processor and the memory are connected with each other via an internal bus; the memory stores a set of instructions for performing a method for accessing websites via keywords, the set of instructions to direct the processor to perform acts of:

30 obtaining at least one keyword in an input box, webpage address record information which includes Chinese website names, English website names, and link addresses

corresponding to the Chinese website names and the English website names, respectively;

searching for website names corresponding to the at least one keyword in the webpage address record information, and obtaining link addresses corresponding to the website names which correspond to the at least one keyword;

- 5 displaying the website names which correspond to the at least one keyword and the link addresses corresponding to the website names which correspond to the at least one keyword in an information prompt bar of the input box.

In the above method and device for accessing websites via keywords, by searching for website names corresponding to the at least one keyword as well as link addresses
10 corresponding to the website names which correspond to the at least one keyword in the webpage address record information, and displaying the link addresses corresponding to the website names which correspond to the at least one keyword in the information prompt bar of the input box, the user can obtain a link address of a website corresponding to at least one keyword immediately after the user inputs the at least one keyword; thus,
15 the user does not need to perform tedious work of browsing and searching in a search page, thereby improving operating convenience.

Meanwhile, since the website names corresponding to the at least one keyword are obtained from the webpage address record information, rather than obtained by using a search engine to crawl webpages, thus, the response speed can be greatly improved.

20 Brief Description of Drawings

Fig. 1 is a flowchart of a method for accessing websites via keywords according to one embodiment of the present disclosure;

Fig. 2 shows a displaying effect of an information prompt bar according to one embodiment of the present disclosure;

- 25 Fig. 3 shows a displaying effect of an information prompt bar according to another example of the present disclosure;

Fig. 4 is a schematic diagram of a device for accessing websites via keywords according to one embodiment of the present disclosure;

Fig. 5 is a schematic diagram of a device for accessing websites via keywords

according to another example of the present disclosure;

Fig. 6 is a schematic diagram of a computing device according to one example of the present disclosure.

Detailed Description

5 For simplicity and illustrative purposes, the present disclosure is described by referring mainly to examples thereof. In the following description, numerous specific 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
10 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 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.

15 As shown in Fig. 1, a method for accessing websites via keywords according to one embodiment of the present disclosure includes following steps:

Step S102: obtaining at least one keyword in an input box.

In one example, the input box can be an address bar of a browser. In another example, the input box can be a search bar of the browser. One user can input strings in
20 the input box to input the keyword. Here, the at least one keyword in the input box refers to all keywords in the input box, and the number of all keywords in the input box may be one or more than one.

Step S104: obtaining webpage address record information which includes website names and link addresses corresponding to the website names.

25 In one example, the webpage address record information includes at least one of a browser access record, a bookmark, a favorite and a webpage address whitelist.

The browser access record is a history access record left by a user after accessing webpages with a browser.

The bookmark is network address information displayed in a bookmark bar of the

browser. The favorite is network address information displayed in a favorite bar of the browser.

When the browser access record, the bookmark and the favorite store network links, they can extract contents of a <title> label in a webpage corresponding to each network
5 link, take the extracted contents as a website name and store the website name corresponding to the each network link.

The webpage address whitelist is a preconfigured webpage address list which stores website names and corresponding link addresses. The user can preconfigure a website name defined by the user and a link address in the webpage address whitelist.

10 It should be noted, the browser access record, the bookmark, the favorite and the webpage address whitelist all are information stored locally in the browser.

In this example, the step of getting webpage address record information specifically can be: obtaining webpage address record information according to an order of the browser access record, the bookmark and/or the favorite, and the webpage address
15 whitelist.

Step S106: searching for website names corresponding to the at least one keyword in the webpage address record information, and obtaining link addresses corresponding to the website names which correspond to the at least one keyword.

In this example, first searching for website names corresponding to the at least one
20 keyword in the browser access record; if no website name corresponding to the at least one keyword is found in the browser access record, continuing to search for website names corresponding to the at least one keyword in the bookmark and/or the favorite; if no website name corresponding to the at least one keyword is found in the bookmark and/or the favorite, continuing to search for website names corresponding to the at least
25 one keyword in the webpage address whitelist.

In one example, the step of searching for website names corresponding to the at least one keyword in the webpage address record information specifically can include:

searching for website names each containing the at least one keyword in the webpage address record information.

30 In this example, the Step S106 can specifically include: obtaining string information

corresponding to the at least one keyword and string information corresponding to a website name; judging whether the string information corresponding to the at least one keyword is a continuous substring of the string information corresponding to the website name. If the string information corresponding to the at least one keyword is a continuous
5 substring of the string information corresponding to the website name, the website name matches with the at least one keyword; then the Step S106 can further include: getting a link address corresponding to the website name.

For example, a string function indexOf function can be called for the string information corresponding to the website name. If the return is -1, the string information
10 corresponding to the at least one keyword is not a continuous substring of the string information corresponding to the website name, that is, the website name does not contain the at least one keyword; otherwise, the website name contains the at least one keyword.

Further, in this example, before the step of searching for website names corresponding to the at least one keyword in the webpage address record information, the
15 method can further include: judging whether the at least one keyword is Chinese; if the at least one keyword is Chinese, continuing to perform the step of searching for website names corresponding to the at least one keyword in the webpage address record information.

For example, the judging whether the at least one keyword is Chinese can include:
20 obtaining string information of the at least one keyword, obtaining encoding information corresponding to the string information and judging whether the at least one keyword is Chinese according to the encoding information.

In this example, if the at least one keyword is English, the Step S106 can specifically include: obtaining Pinyin information corresponding to a website name, obtaining string
25 information corresponding to the Pinyin information, and judging whether the string information corresponding to the Pinyin information contains the at least one keyword. If the string information corresponding to the Pinyin information contains the at least one keyword, the website name matches with the at least one keyword; then the Step S106 can further include: obtaining a link address corresponding to the website name.

30 Further, after the step of searching for website names containing the at least one keyword in the webpage address record information, the Step S106 can further include:

obtaining string lengths of the found website names containing the at least one keyword and obtaining a default number of website names by comparing the string lengths.

In this example, the default number of website names with smaller string lengths can be obtained. For example, if the default number is 2, the found website names
5 corresponding to the keywords “腾讯” (which is a Chinese term of “Tencent”) include “腾讯网” (which is a Chinese term of “Tencent network”), “腾讯网娱乐频道” (which is a Chinese term of “Tencent entertainment channel”), “腾讯网络电视” (which is a Chinese term of “Tencent network TV”) and “腾讯财经” (which is a Chinese term of “Tencent Finance”), website names with smaller string lengths obtained by comparing the
10 string lengths can include “腾讯网” (which is a Chinese term of “Tencent network”) and “腾讯财经” (which is a Chinese term of “Tencent Finance”).

Obtaining a default number of website names with smaller string lengths can filter the found website names. In the website names containing the at least one keyword and simultaneously having smaller string lengths, since information entropy included with the
15 at least one keyword occupies a larger proportion of each of the whole website names, thus, the website names containing the at least one keyword and simultaneously having smaller string lengths have stronger correlations with the at least one keyword. That is to say, there a high matching degree between the at least one keyword and the website names containing the at least one keyword and simultaneously having smaller string
20 lengths, as a result, there is a higher possibility that the website names containing the at least one keyword and simultaneously having smaller string lengths are websites which the user desires to access, thereby improving matching accuracy.

Step S108: displaying link addresses corresponding to the website names which correspond to the at least one keyword in an information prompt bar of the input box.

As shown in Fig. 2 and Fig. 3, the input box can be a browser component, and the information prompt bar of the input box can be a floating browser information display component which links up with an edge of the input box or a browser information display component adjacent to the edge of the input box. In this example, the obtained default number of link addresses can be displayed in the information prompt bar in form of a list.
30 The displayed content can include link addresses and corresponding website names. The user can move a cursor or click on a touch screen to select one of the link addresses for

access.

For example, in Fig. 2, if the input keywords are Chinese terms “腾讯”¹⁰ (“腾讯” is a Chinese term of “Tencent”), the link addresses displayed in the information prompt bar corresponds to “腾讯网”²⁰ (“腾讯网” is a Chinese term of “Tencent network”) and “天气频道_腾讯网”³⁰ (“天气频道_腾讯网” is a Chinese term of “weather channel_Tencent network”) which contain the string “腾讯”¹⁰. In Fig. 3, if the input keywords are Pinyin “qiche”, the link addresses displayed in the information prompt bar corresponds to “论坛精选频道_汽车之家”⁴⁰ (“论坛精选频道_汽车之家” is a Chinese expression of “Forum featured channels_auto home”) and “汽车之家_我的汽车网站,我的汽车之家”⁵⁰ (“汽车之家_我的汽车网站,我的汽车之家” is a Chinese expression of “auto home_my auto website, my auto home”) whose Pinyins include the string “qiche”.

In one example, before the step of obtaining at least one keyword in an input box, the method can further include: detecting whether there is a change in the at least one keyword in the input box; if there is a change in the at least one keyword in the input box, continuing to perform the step of obtaining the at least one keyword in the input box.

In this example, whether there is a change in the at least one keyword in the input box can be judged by detecting an onChange event of the input box. The input box is an input component of the browser. When the string information in the input box is changed (for example, when the string information is changed with the user’s inputting and deletion), the input box throws an onChange event. After one onChange event is detected, the step of obtaining the at least one keyword in the input box can be performed, thereby obtaining the updated keywords.

For example, if the user wants to access to “腾讯网” (which is a Chinese term of “Tencent network”), the user needs to sequentially input three characters “腾” “讯” “网” (which are three Chinese characters of “腾讯网” which is a Chinese term of “Tencent network”). When the user inputs the character “腾”, the input box throws an onChange event, the onChange event is captured and then it is obtained that the keyword is “腾”; then the step S104, the step S106 and the step S108 are sequentially performed. As a result, the information prompt bar of the input bar can display link addresses corresponding to the keyword “腾”.

If the candidate link addresses, which are displayed in the information prompt bar and corresponding to the keyword “腾”, include the link address corresponding to “腾讯网”, the user can move a cursor or click on a touch screen to select the link address for access. If the displayed candidate link addresses corresponding to the keyword “腾” does not include the link address corresponding to “腾讯网”, for example, the displayed candidate link addresses corresponding to the keyword “腾” includes “腾网” and “腾飞网” (“腾网” and “腾飞网” are exemplary Chinese website names which include the Chinese keyword “腾”), the user continues to input the character “讯”, the input box continues to throw an onChange event, the onChange event is captured and then it is obtained that the keyword is “腾讯”; then the step S104, the step S106 and the step S108 are sequentially performed. As a result, the information prompt bar of the input bar can display link addresses corresponding to the keywords “腾讯”.

By using the detected change of the keywords in the input box to trigger the step of obtaining the keywords in the input box, the link addresses in the information prompt bar can be updated in real time as the user inputs keywords. This can facilitate the user to select a suitable link address for access and thus improve operating convenience.

As shown in Fig. 4, a device for accessing websites via keywords according to one embodiment of the present disclosure includes a keyword obtaining module 102, a webpage address record obtaining module 104, a link address obtaining module 106 and a prompt module 108.

The keyword obtaining module 102 is configured to obtain at least one keyword in an input box.

In one example, the input box can be an address bar of a browser. In another example, the input box can be a search bar of the browser. One user can input strings in the input box to input the keyword.

The webpage address record obtaining module 104 is configured to obtain webpage address record information which includes website names and link addresses corresponding to the website names.

In one example, the webpage address record information includes at least one of a browser access record, a bookmark, a favorite and a webpage address whitelist.

The browser access record is a history access record left by a user after accessing webpages with a browser.

The bookmark is network address information displayed in a bookmark bar of the browser. The favorite is network address information displayed in a favorite bar of the
5 browser.

When the browser access record, the bookmark and the favorite store network links, they can extract contents of a <title> label in a webpage corresponding to each network link, take the extracted contents as a website name and store the website name corresponding to the each network link.

10 The webpage address whitelist is a preconfigured webpage address list which stores website names and corresponding link addresses. The user can preconfigure a website name defined by the user and a link address in the webpage address whitelist.

It should be noted, the browser access record, the bookmark, the favorite and the webpage address whitelist all are information stored locally in the browser.

15 In this example, the webpage address record obtaining module 104 can be configured to obtain webpage address record information according to an order of the browser access record, the bookmark and/or the favorite, and the webpage address whitelist.

The link address obtaining module 106 is configured to search for website names
20 corresponding to the at least one keyword in the webpage address record information, and obtain link addresses corresponding to the website names.

In this example, the link address obtaining module 106 can be configured to first search for website names corresponding to the at least one keyword in the browser access record; if no website name corresponding to the at least one keyword is found in the
25 browser access record, continue to searching for website names corresponding to the at least one keyword in the bookmark and/or the favorite; if no website name corresponding to the at least one keyword is found in the bookmark and/or the favorite, continue to searching for website names corresponding to the at least one keyword in the webpage address whitelist.

30 In one example, the link address obtaining module 106 can be configured to search

for website names each containing the at least one keyword in the webpage address record information.

In this example, the link address obtaining module 106 can be configured to obtain string information corresponding to the at least one keyword and string information
5 corresponding to a website name; judge whether the string information corresponding to the at least one keyword is a continuous substring of the string information corresponding to the website name. If the string information corresponding to the at least one keyword is a continuous substring of the string information corresponding to the website name, the website name matches with the at least one keyword; then the link address obtaining
10 module 106 can be configured to obtain a link address corresponding to the website name.

For example, the link address obtaining module 106 can be configured to call a string function indexOf function for the string information corresponding to the website name. If the return is -1, the string information corresponding to the at least one keyword
15 is not a continuous substring of the string information corresponding to the website name, that is, the website name does not contain the at least one keyword; otherwise, the website name contains the at least one keyword.

Further, in this example, the device for accessing websites via keywords further includes a Chinese-English judgment module (not shown in figures), which can be
20 configured to judge whether the at least one keyword is Chinese; if the at least one keyword is Chinese, call the link address obtaining module 106.

The Chinese-English judgment module can be further configured to obtain string information of the at least one keyword, obtain encoding information corresponding to the string information and judge whether the at least one keyword is Chinese according to
25 the encoding information.

In this example, if the at least one keyword is English, the link address obtaining module 106 can be further configured to obtain Pinyin information corresponding to a website name, obtain string information corresponding to the Pinyin information, and judge whether the string information corresponding to the Pinyin information contains the
30 at least one keyword. If the string information corresponding to the Pinyin information contains the at least one keyword, the website name matches with the at least one

keyword; then the link address obtaining module 106 can be further configured to obtain a link address corresponding to the website name.

Further, the link address obtaining module 106 can be further configured to obtain string lengths of the found website names containing the at least one keyword and obtain
5 a default number of website names by comparing the string lengths.

In this example, the link address obtaining module 106 can be further configured to obtain the default number of website names with smaller string lengths. For example, if the default number is 2, the found website names corresponding to the keywords “腾讯” (which is a Chinese term of “Tencent”) include “腾讯网” (which is a Chinese term of “Tencent network”), “腾讯网娱乐频道” (which is a Chinese term of “Tencent
10 entertainment channel”), “腾讯网络电视” (which is a Chinese term of “Tencent network TV”) and “腾讯财经” (which is a Chinese term of “Tencent Finance”), website names with smaller string lengths obtained by comparing the string lengths can include “腾讯网” (which is a Chinese term of “Tencent network”) and “腾讯财经” (which is a Chinese
15 term of “Tencent Finance”).

Obtaining a default number of website names with smaller string lengths can filter the found website names. In the website names containing the at least one keyword and simultaneously having smaller string lengths, since information entropy included with the at least one keyword occupies a larger proportion of each of the whole website names,
20 thus, the website names containing the at least one keyword and simultaneously having smaller string lengths have stronger correlations with the at least one keyword. That is to say, there a high matching degree between the at least one keyword and the website names containing the at least one keyword and simultaneously having smaller string lengths, as a result, there is a higher possibility that the website names containing the at
25 least one keyword and simultaneously having smaller string lengths are websites which the user desires to access, thereby improving matching accuracy.

The prompt module 108 can be configured to display link addresses in an information prompt bar of the input box.

As shown in Fig. 2 and Fig. 3, the input box can be a browser component, and the
30 information prompt bar of the input box can be a floating browser information display

component which links up with an edge of the input box or a browser information display component adjacent to the edge of the input box. In this example, the prompt module 108 can be configured to display the obtained default number of link addresses in the information prompt bar in form of a list. The displayed content can include link addresses and corresponding website names. The user can move a cursor or click on a touch screen to select one of the link addresses for access.

For example, in Fig. 2, if the input keywords are Chinese terms “腾讯”¹⁰ (“腾讯” is a Chinese term of “Tencent”), the link addresses displayed in the information prompt bar corresponds to “腾讯网”²⁰ (“腾讯网” is a Chinese term of “Tencent network”) and “腾讯财经”³⁰ (“腾讯财经” is a Chinese term of “Tencent Finance”) which contain the string “腾讯”¹⁰. In Fig. 3, if the input keywords are Pinyin “qiche”, the link addresses displayed in the information prompt bar corresponds to “论坛精选频道_汽车之家”⁴⁰ (“论坛精选频道_汽车之家” is a Chinese expression of “Forum featured channels_auto home”) and “汽车之家_我的汽车网站,我的汽车之家”⁵⁰ (“汽车之家_我的汽车网站,我的汽车之家” is a Chinese expression of “auto home_my auto website, my auto home”) whose Pinyins include the string “qiche”.

In one example, as shown in Fig. 5, the device for accessing websites via keywords further includes an input box detection module 110 which can be configured to detect whether there is a change in the at least one keyword in the input box. If there is a change in the at least one keyword in the input box, the input box detection module 110 can be further configured to call the keyword obtaining module 102.

In this example, the input box detection module 110 can be further configured to judge whether there is a change in the at least one keyword in the input box by detecting an onChange event of the input box. The input box is an input component of the browser. When the string information in the input box is changed (for example, when the string information is changed with the user's inputting and deletion), the input box throws an onChange event. After one onChange event is detected, the at least one keyword in the input box can be obtained, thereby obtaining the updated keywords.

For example, if the user wants to access to “腾讯网” (which is a Chinese term of “Tencent network”), the user needs to sequentially input three characters “腾” “讯” “网”

(which are three Chinese characters of “腾讯网” which is a Chinese term of “Tencent network”). When the user inputs the character “腾”, the input box throws an onChange event, the onChange event is captured and then it is obtained that the keyword is “腾”; then the step S104, the step S106 and the step S108 are sequentially performed. As a result, the information prompt bar of the input bar can display link addresses corresponding to the keyword “腾”.

If the candidate link addresses, which are displayed in the information prompt bar and corresponding to the keyword “腾”, include the link address corresponding to “腾讯网”, the user can move a cursor or click on a touch screen to select the link address for access. If the displayed candidate link addresses corresponding to the keyword “腾” does not include the link address corresponding to “腾讯网”, for example, the displayed candidate link addresses corresponding to the keyword “腾” includes “腾网” and “腾飞网” (“腾网” and “腾飞网” are exemplary Chinese website names which include the Chinese keyword “腾”), the user continues to input the character “讯”, the input box continues to throw an onChange event, the onChange event is captured and then it is obtained that the keyword is “腾讯”; then the step S104, the step S106 and the step S108 are sequentially performed. As a result, the information prompt bar of the input bar can display link addresses corresponding to the keywords “腾讯”.

By using the detected change of the keywords in the input box to trigger the step of obtaining the keywords in the input box, the link addresses in the information prompt bar can be updated in real time as the user inputs keywords. This can facilitate the user to select a suitable link address for access and thus improve operating convenience.

In the above method and device for accessing websites via keywords, by searching for website names corresponding to the at least one keyword as well as link addresses corresponding to the website names which correspond to the at least one keyword in the webpage address record information, and displaying the link addresses corresponding to the website names which correspond to the at least one keyword in the information prompt bar of the input box, the user can obtain a link address of a website corresponding to at least one keyword immediately after the user inputs the at least one keyword; thus, the user does not need to perform tedious work of browsing and searching in a search

page, thereby improving operating convenience.

Meanwhile, since the website names corresponding to the at least one keyword are obtained from the webpage address record information, rather than obtained by using a search engine to crawl webpages, thus, the response speed can be greatly improved.

5 The above device can run in a computing device shown in Fig. 6. As shown in Fig. 6, the computing device (such as a computer or other computing device) includes a processor 60 and a memory 70. The processor 60 and the memory 70 are connected with each other via an internal bus. The memory 70 may be a non-transitory computer-readable storage medium, and stores units of machine readable instructions executable by the
10 processor 60, including a keyword obtaining module 72, a webpage address record obtaining module 74, a link address obtaining module 76 and a prompt module 78. Functions of the keyword obtaining module 72, the webpage address record obtaining module 74, the link address obtaining module 76 and the prompt module 78 are similar with the functions of the keyword obtaining module 102, the webpage address record
15 obtaining module 104, the link address obtaining module 106 and the prompt module 108, respectively. The functions may be implemented with the assistance of other modules, and may involve cooperation of multiple modules, e.g., may utilize processing functions of the processor 60, may relay on the internal bus for data transmission, and etc.

 The methods, module, and device described herein may be implemented by
20 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, ROM or other proper storage device. Or, at least part of the machine-readable instructions may be
25 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 to store instructions to cause a machine to execute a process as described according to examples herein. Specifically, a system or apparatus having a storage medium that stores machine-readable program
30 codes for implementing functions of any of the above examples and that may cause the system or the apparatus (or processor such as 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 any one of the above examples, thus the program codes and the storage medium storing the program codes are part of the technical scheme.

5 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 and so on. The program code may be downloaded from a server computer via a communication network.

10 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 on the program codes to implement any of the above examples.

15 In addition, the program codes implemented from a storage medium are written in a storage in an extension board inserted in the computer or in a 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 program codes to implement any of the above examples.

20 Although described specifically throughout the entirety of the instant disclosure, representative examples of the present disclosure have utility over a wide range of applications, and the above discussion is not intended and should not be construed to be limiting, but is offered as an illustrative discussion of aspects of the disclosure.

25 What has been described and illustrated herein is an example along with some of its 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 within the spirit and scope of the subject matter, 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 method for accessing websites via keywords comprising:

obtaining at least one keyword in an input box;

obtaining webpage address record information which includes website names and

5 link addresses corresponding to the website names;

searching for website names corresponding to the at least one keyword in the webpage address record information, and obtaining link addresses corresponding to the website names which correspond to the at least one keyword;

10 displaying the link addresses corresponding to the website names which correspond to the at least one keyword in an information prompt bar of the input box.

2. The method of claim 1, wherein the webpage address record information comprises at least one of a browser access record, a bookmark, a favorite and a webpage address whitelist.

15 3. The method of claim 2, wherein the obtaining webpage address record information comprises:

obtaining the webpage address record information according to an order of the browser access record, the bookmark and/or the favorite, and the webpage address whitelist.

20 4. The method of claim 1, wherein the searching for website names corresponding to the at least one keyword in the webpage address record information comprises:

searching for website names each containing the at least one keyword in the webpage address record information.

25 5. The method of claim 4, wherein after the searching for website names each containing the at least one keyword in the webpage address record information, the method further comprises:

obtaining string lengths of found website names containing the at least one keyword;
and

obtaining a default number of website names containing the at least one keyword by

comparing the string lengths.

6. The method of claim 1, wherein before the obtaining at least one keyword in an input box, the method further comprises:

detecting whether there is a change in the at least one keyword in the input box; if
5 there is a change in the at least one keyword in the input box, continue to obtain at least one keyword in the input box.

7. The method of claim 1, wherein the webpage address record information includes Chinese website names, English website names, and link addresses corresponding to the Chinese website names and the English website names website names, respectively.

10 8. A device for accessing websites via keywords comprising:

a keyword obtaining module configured to obtain at least one keyword in an input box;

a webpage address record obtaining module configured to obtain webpage address record information which includes website names and link addresses corresponding to the
15 website names;

a link address obtaining module configured to search for website names corresponding to the at least one keyword in the webpage address record information, and obtaining link addresses corresponding to the website names which correspond to the at least one keyword;

20 a prompt module configured to display the link addresses corresponding to the website names which correspond to the at least one keyword in an information prompt bar of the input box.

9. The device of claim 8, wherein the webpage address record information comprises at least one of a browser access record, a bookmark, a favorite and a webpage address
25 whitelist.

10. The device of claim 9, wherein the webpage address record obtaining module is further configured to obtain the webpage address record information according to an order of the browser access record, the bookmark and/or the favorite, and the webpage address whitelist.

30 11. The device of claim 8, wherein the link address obtaining module is further

configured to search for website names each containing the at least one keyword in the webpage address record information.

12. The device of claim 11, wherein the link address obtaining module is further configured to obtain string lengths of found website names containing the at least one
5 keyword and obtain a default number of website names containing the at least one keyword by comparing the string lengths.

13. The device of claim 8, wherein the device further comprises:

an input box detection module which is configured to detect whether there is a change in the at least one keyword in the input box; if there is a change in the at least one
10 keyword in the input box, call the keyword obtaining module.

14. The device of claim 8, wherein the webpage address record information includes Chinese website names, English website names, and link addresses corresponding to the Chinese website names and the English website names website names, respectively.

15. A computing device comprising a processor and a memory; wherein the
15 processor and the memory are connected with each other via an internal bus; the memory stores a set of instructions for performing a method for accessing websites via keywords, the set of instructions to direct the processor to perform acts of:

obtaining at least one keyword in an input box, webpage address record information which includes Chinese website names, English website names, and link addresses
20 corresponding to the Chinese website names and the English website names, respectively;

searching for website names corresponding to the at least one keyword in the webpage address record information, and obtaining link addresses corresponding to the website names which correspond to the at least one keyword;

displaying the website names which correspond to the at least one keyword and the
25 link addresses corresponding to the website names which correspond to the at least one keyword in an information prompt bar of the input box.

1/3

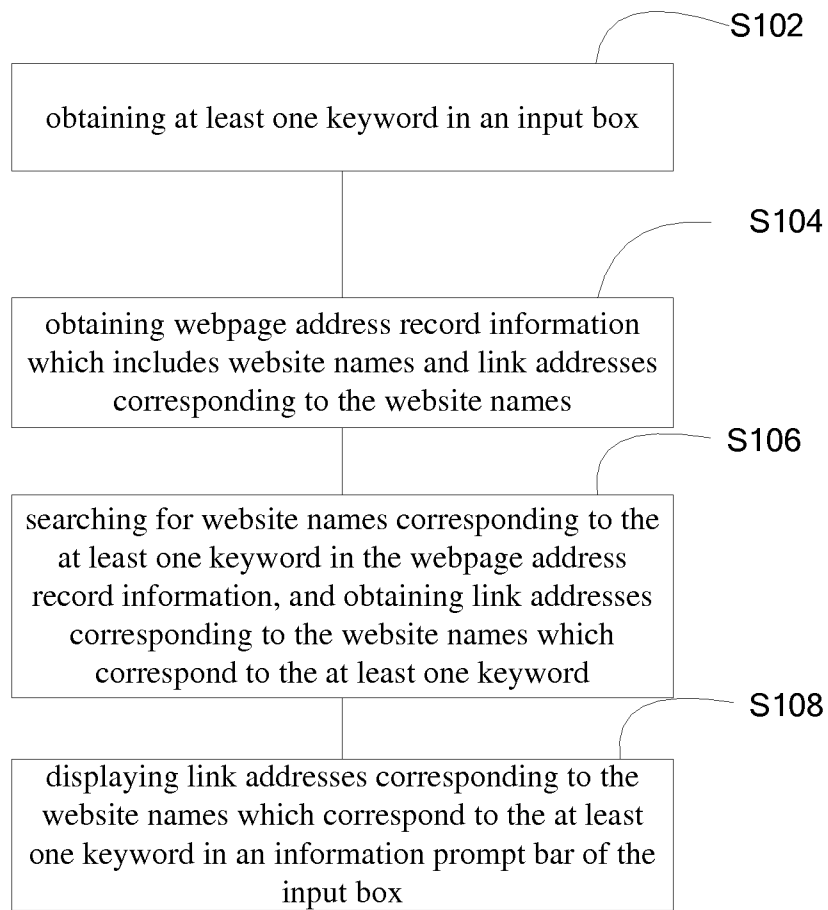


Fig. 1

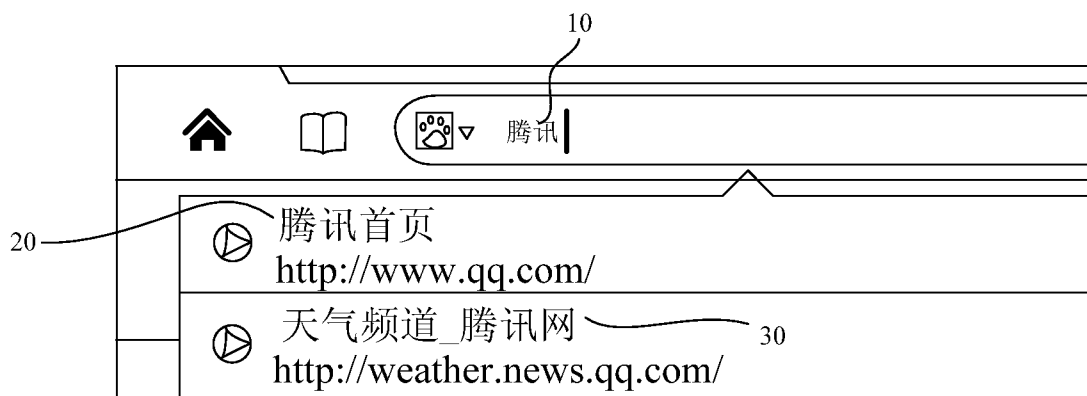


Fig. 2

2/3

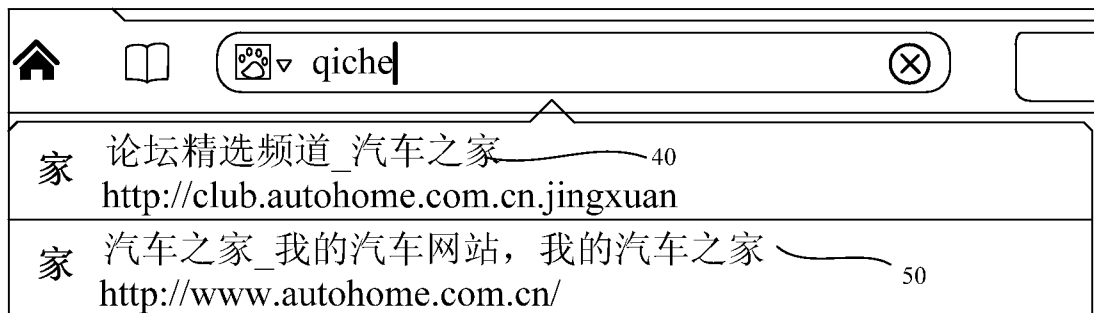


Fig. 3

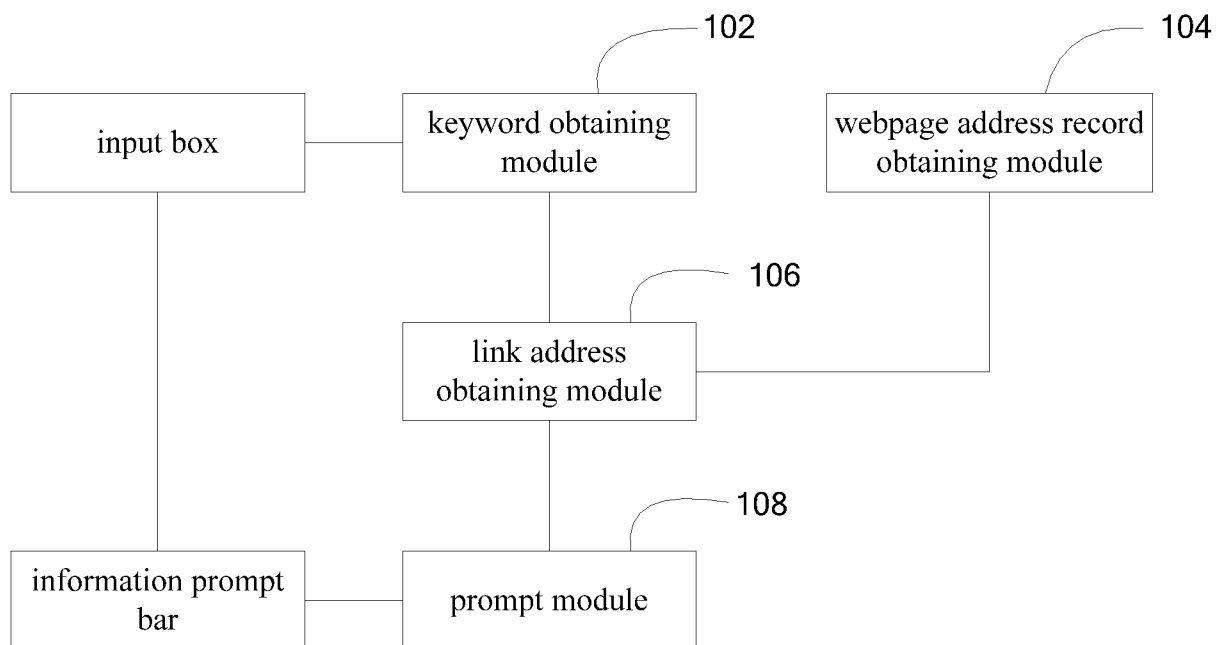


Fig. 4

3/3

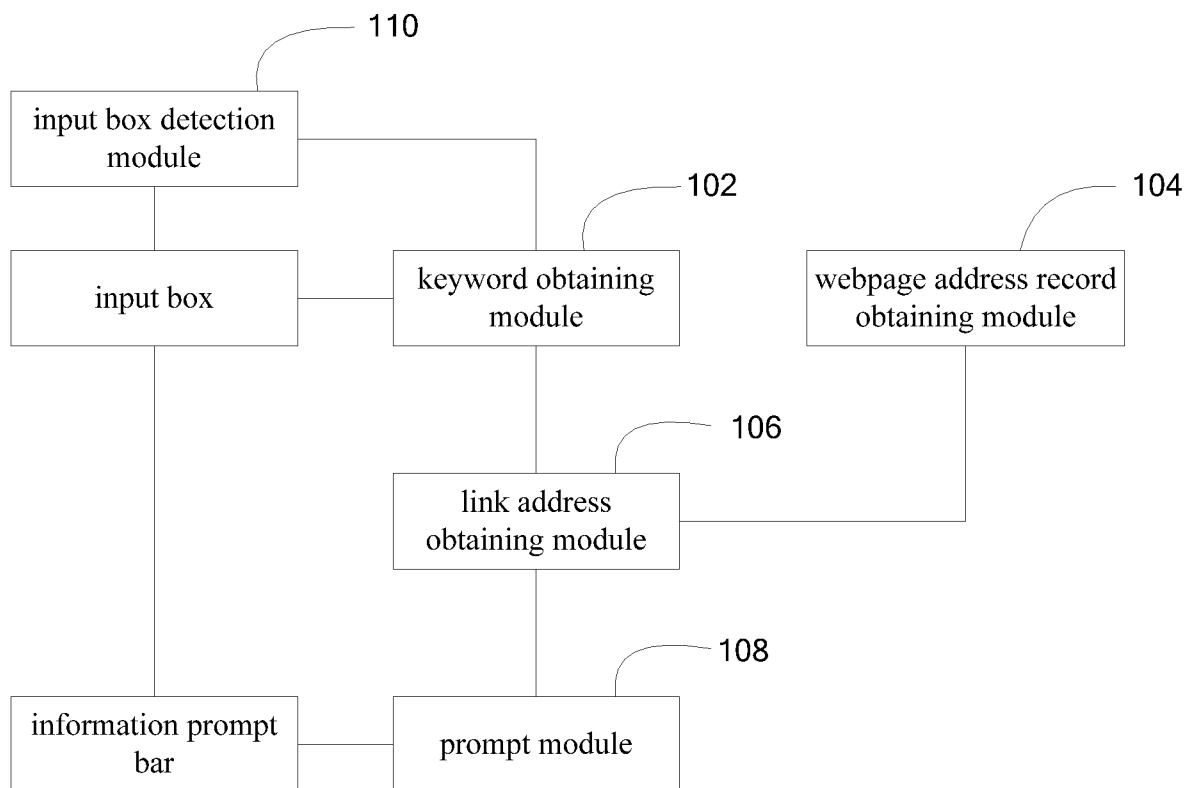


Fig. 5

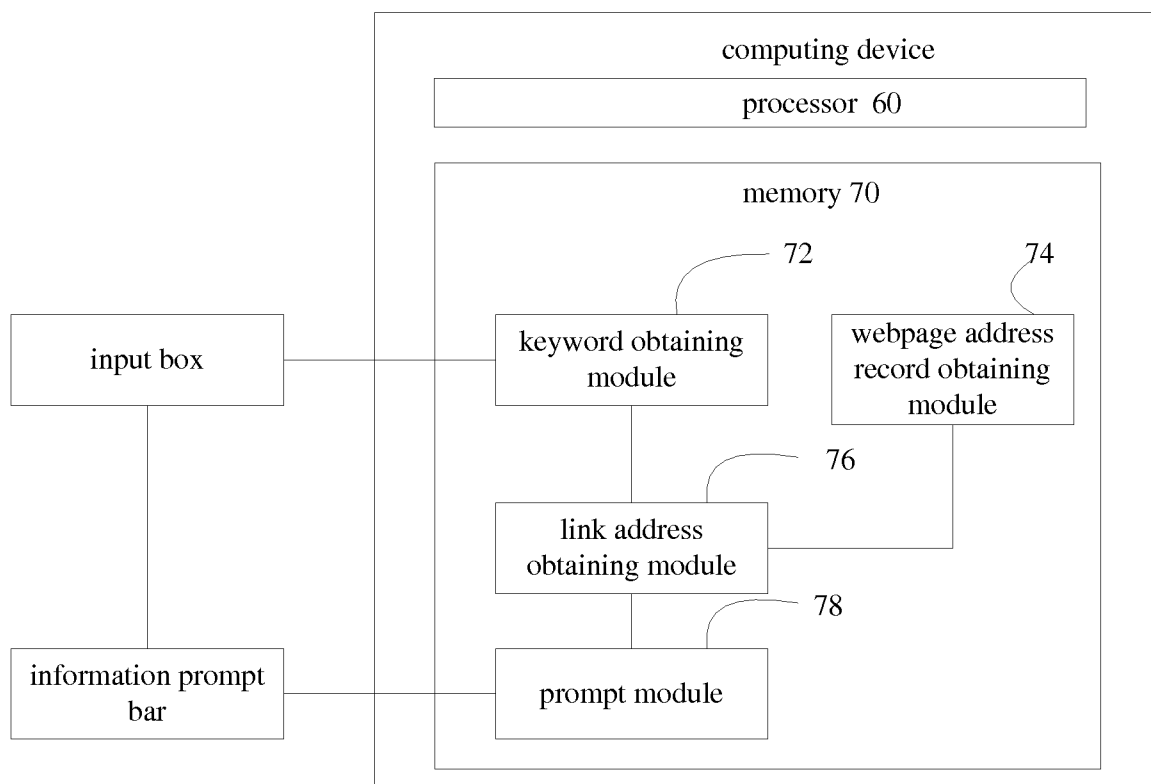


Fig. 6

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2013/088277

A. CLASSIFICATION OF SUBJECT MATTER

G06F 21/00 (2013.01) 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

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, CNPAT, WPI, EPODOC: Chinese, search, website, keyword, input, name, address, link, display, prompt

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 1804834 A (ZHAO RAN) 19 July 2006(19.07.2006) see claims 1-2, figure 1	1-15
A	CN 102375952 A (BEILONG KNET BEIJING TECHNOLOGY CO LTD) 14 March 2012(14.03.2012) see the whole document	1-15
A	US 2001054040 A1(LEE S S) 20 December 2001(20.12.2001) see the whole document	1-15

☐ 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
28 February 2014 (28.02.2014)

Date of mailing of the international search report
13 Mar. 2014 (13.03.2014)

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
HAN, Xianping
Telephone No. (86-10)62411841

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/CN2013/088277

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 1804834 A	19.07.2006	None	
CN 102375952 A	14.03.2012	None	
US 2001054040 A1	20.12.2001	WO 0198944 A1	27.12.2001
		AU 5683701 A	02.01.2002
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		KR 100420530 B	02.03.2004