

Claims

What is claimed is:

1. A webpage browsing method, comprising:

~~switching a browser into a first working state, and~~ accessing, by the a browser of a mobile terminal device, a server through Internet in ~~the a~~ first working state;

downloading data of a current page and data of predefined N pages subsequent to the current page orderly from the server, caching the downloaded data and displaying the current page, wherein N is a natural number;

updating a link address of each page on the server into a cache address corresponding to data of the page;

disconnecting the Internet after the data of the current page and the data of the N pages subsequent to the current page have been cached; and

switching the browser to a second working state, selecting one page of the cached current page and the N pages subsequent to the current page, reading the data of the selected page from a cache memory according to a cache address corresponding to data of the selected page, and displaying the selected page.

2. The method of claim 1, after selecting one page of the cached current page and the N pages subsequent to the current page, further comprising:

determining whether the data of the selected page has been cached and has a cache address; if the selected page been cached and has the cache address, reading the data of the selected page from the cache memory according to the cache address corresponding to the data of the selected page, and displaying the selected page; ~~if the selected page has not been cached or has no cache address, reconnecting the browser to the Internet.~~

3. The method of claim 1 or 2, after the browser accesses the server through the Internet in the first working state, further comprising:

determining whether an state of Internet environment is satisfied; if the state of Internet environment is satisfied, downloading the data of the current page and the data of the predefined N pages subsequent to the current page orderly from the server, and caching the downloaded data, wherein the state of Internet environment being satisfied comprises at least on of that tariff of access point is cheap, network speed is fast and a channel has not been occupied.

4. The method of claim 1, wherein the first working state is an offline downloading mode and the second working state is an offline reading state.

45. A webpage browsing device, comprising:

a downloading module, configured to download data of a current page and data of predefined N pages subsequent to the current page orderly from a server when a browsing module is in a first working state, wherein N is a natural number;

a caching module, configured to receive the data downloaded by the downloading module, assign a cache address to data of each page and cache the downloaded data;

the browsing module, configured to access the server through Internet in the first working state, read data of a selected page from the caching module in a second working state according to a cache address corresponding to the data of the selected page, output the read data and disconnect the Internet after the data of the current page and the data of the N pages subsequent to the current page have been cached;

an updating module, configured to update, according to the cache address assigned to the data of each page by the caching module, a link address of the page on the server into the cache address;

a state switching module, configured to switch the browsing module from the first working state to the second working state, or switch the browsing module from the second working state to the first working state; and

a displaying module, configured to receive the data outputted by the browsing module, and display the selected page.

56. The device of claim 45, further comprising an Internet environment detecting module, configured to detect whether Internet environment is satisfied, and send a detection result to the state switching module, wherein the Internet environment being satisfied comprises at least one case of that tariff of access point is cheap, network speed is fast and a channel has not been occupied.

7. The device of claim 5, wherein the first working state is an offline downloading mode and the second working state is an offline reading state.

Claims

What is claimed is:

1. A webpage browsing method, comprising:

accessing, by a browser of a mobile terminal device, a server through Internet in a first working state;

downloading data of a current page and data of predefined N pages subsequent to the current page orderly from the server, caching the downloaded data and displaying the current page, wherein N is a natural number;

updating a link address of each page on the server into a cache address corresponding to data of the page;

disconnecting the Internet after the data of the current page and the data of the N pages subsequent to the current page have been cached; and

switching the browser to a second working state, selecting one page of the cached current page and the N pages subsequent to the current page, reading the data of the selected page from a cache memory according to a cache address corresponding to data of the selected page, and displaying the selected page.

2. The method of claim 1, after selecting one page of the cached current page and the N pages subsequent to the current page, further comprising:

determining whether the data of the selected page has been cached and has a cache address; if the selected page been cached and has the cache address, reading the data of the selected page from the cache memory according to the cache address corresponding to the data of the selected page, and displaying the selected page.

3. The method of claim 1 or 2, after the browser accesses the server through the Internet in the first working state, further comprising:

determining whether an state of Internet environment is satisfied; if the state of Internet environment is satisfied, downloading the data of the current page and the data of the predefined N pages subsequent to the current page orderly from the server, and caching the downloaded data, wherein the state of Internet environment being satisfied comprises at least on of that tariff of access point is cheap, network speed is fast and a channel has not been occupied.

4. The method of claim 1, wherein the first working state is an offline downloading mode and the second working state is an offline reading state.

5. A webpage browsing device, comprising:

a downloading module, configured to download data of a current page and data of predefined N pages subsequent to the current page orderly from a server when a browsing module is in a first working state, wherein N is a natural number;

a caching module, configured to receive the data downloaded by the downloading module, assign a cache address to data of each page and cache the downloaded data;

the browsing module, configured to access the server through Internet in the first working state, read data of a selected page from the caching module in a second working state according to a cache address corresponding to the data of the selected page, output the read data and disconnect the Internet after the data of the current page and the data of the N pages subsequent to the current page have been cached;

an updating module, configured to update, according to the cache address assigned to the data of each page by the caching module, a link address of the page on the server into the cache address;

a state switching module, configured to switch the browsing module from the first working state to the second working state, or switch the browsing module from the second working state to the first working state; and

a displaying module, configured to receive the data outputted by the browsing module, and display the selected page.

6. The device of claim 5, further comprising an Internet environment detecting module, configured to detect whether Internet environment is satisfied, and send a detection result to the state switching module, wherein the Internet environment being satisfied comprises at least one case of that tariff of access point is cheap, network speed is fast and a channel has not been occupied.

7. The device of claim 5, wherein the first working state is an offline downloading mode and the second working state is an offline reading state.