data is the typesetting protocol data applicable to the mobile terminal.

step 106, the contents to be typeset are typeset according to the screen information and the typesetting protocol data, and the typeset contents are fed back to the mobile terminal.

The server may determine a typesetting area according to the screen information at first, and then typeset the contents to be typeset according to the found typesetting protocol data. It is assumed that Chinese characters are throughout the contents to be typeset, the typesetting protocol data may include font size information, font style information, font height information and width information of a single character during typesetting. In a specific example as shown in Fig. 1B, the contents to be typeset are " I love you, China, wish motherland be prosperity and strength forever. ", and the server may divide the typesetting area 11 into a plurality of strip areas 12 having height equal to or slightly larger than the font height information according to the font height information and then typeset each character in the contents to be typeset in the strip areas 12 according to the width information of a single character in turn from left to right and from top to bottom so as to obtain the typeset content. During typesetting, when the character width accumulated value of all the characters in one strip area 12 exceeds the length of the strip area, the current to-be-typeset character is typeset in the strip area 12 in the next row.

After acquiring the typeset content, the server may issue the typeset content to the mobile terminal over a mobile network. The mobile terminal may render and display the typeset content issued by the server.

In conclusion, by completing a typesetting process via a server and then issuing a typeset text area to a mobile terminal, the typesetting method provided by Embodiment 1 of the application solves the problems of a low typesetting speed or poor typesetting effect of the mobile terminal caused by the poor typesetting capability provided by the mobile terminal, and achieves the effect that the mobile terminal can rapidly and accurately complete the typesetting process by means of the server, and can still rapidly and accurately display related characters to a user even if contents to be typeset contains special multi-language characters.

Embodiment 2

Referring to Fig. 2, a flow diagram of a typesetting method provided by Embodiment 2 of the application is shown. The typesetting method may be applied to

WE CLAIM:

1. A typesetting method, wherein the method comprises:

receiving (S102), by an information receiving module (342), unique identification information, contents to be typeset and screen information which are uploaded by a mobile terminal;

searching (S104), by a protocol searching module (344) for typesetting protocol data corresponding to the mobile terminal according to the unique identification information;

typesetting (S106), by a content typesetting module (346) the contents to be typeset according to the screen information and the typesetting protocol data; and

feeding back the typeset contents to the mobile terminal.

2. The typesetting method according to claim 1, wherein before receiving the unique identification information, the contents to be typeset and the screen information which are uploaded by the mobile terminal, the method further comprises:

receiving (S203), by a pre-receiving module (520), the unique identification information uploaded by the mobile terminal;

judging (S204), by a protocol judging module (540), whether the typesetting protocol data corresponding to the unique identification information has been stored; and

feeding back (S205), by a protocol receiving module (560), an uploading determination instruction to the mobile terminal if the typesetting protocol data corresponding to the unique identification information has not been stored, so as to receive and store the typesetting protocol data uploaded by the mobile terminal.

3. The typesetting method according to claim 1 or 2, wherein the typesetting protocol data comprises header information, common character typesetting information and special character typesetting information;

the header information comprises font size information, font style information and font height information during typesetting;

the common character typesetting information comprises width information of a single character; and

the special character typesetting information comprises supported type information of the special character, typesetting type information of the special character, and character data corresponding to the typesetting type information of the special character.

4. The typesetting method according to claim 3, wherein typesetting the contents to be typeset according to the screen information and the typesetting protocol data specifically comprises:

determining (S207), by an area determining unit (346a), a typesetting area according to the screen information;

judging (S208), by a character judging module (346b), in turn whether each character contained in the contents to be typeset is a special character;

typesetting (S209), by a common typesetting unit (346c), the character to the typesetting area according to the common character typesetting information if the character contained in the contents to be typeset is not a special character; and

typesetting (S210), by a special typesetting unit (346d), the character to the typesetting area according to the special character typesetting information if the character contained in the characters to be typeset is a special character.

5. The typesetting method according to claim 4, wherein typesetting the character to the typesetting area according to the special character typesetting information specifically comprises:

judging by a typesetting judging subunit (702), according to the supported type information of the special character, whether the typesetting of the current special character is supported; and

typesetting, by a special typesetting subunit (704), the current special character to the typesetting area according to the typesetting type information of the special character and the character data corresponding to the typesetting type information of the special character if the typesetting of the current special character is supported.

6. The typesetting method according to any of claims 1, 2, 4 and 5, wherein receiving the unique identification information, the contents to be typeset and the screen information which are uploaded by the mobile terminal specifically comprises:

receiving, by an address receiving unit (342a), a webpage address uploaded by the mobile terminal;

acquiring, by a data acquiring unit (342b), webpage data according to the webpage address; and

using the acquired webpage data as the contents to be typeset.

7. A typesetting method, wherein the method comprises:

uploading, by an information uploading module (322), unique identification information, contents to be typeset and screen information to a server, the unique identification information

corresponds to typesetting protocol data required by typesetting; and

receiving, by a typesetting receiving module (324), the typeset content fed back by the server, the typeset contents are contents which are acquired by the server after typesetting the contents to be typeset according to the typesetting protocol data and the screen information.

8. The typesetting method according to claim 7, wherein before uploading the unique identification information, the contents to be typeset and the screen information to the server, the method comprises:

generating, by an information generation module (321a), the unique identification information according to the typesetting protocol data to be uploaded;

uploading, by a pre-uploading module (321b), the unique identification information to the server so that the server judges whether it is required to upload the typesetting protocol data; and

uploading, by a data uploading module (321c), the typesetting protocol data to the server after receiving an uploading determination instruction fed back by the server.

9. A server, wherein the server comprises:

an information receiving module (342) configured to receive unique identification information, contents to be typeset and screen information which are uploaded by a mobile terminal;

a protocol searching module (344) configured to search for typesetting protocol data corresponding to the mobile terminal according to the unique identification information; and

a content typesetting module (346) configured to typeset the contents to be typeset according to the screen information and the typesetting protocol data and feed back the typeset contents to the mobile terminal.

10. The server according to claim 9, wherein the server further comprises:

a pre-receiving module (520) configured to receive the unique identification information uploaded by the mobile terminal;

a protocol judging module (540) configured to judge whether the typesetting protocol data corresponding to the unique identification information has been stored; and

a protocol receiving module (560) configured to feed back an uploading determination instruction to the mobile terminal if the typesetting protocol data corresponding to the unique identification information has not been stored, so as to receive and store the typesetting protocol data uploaded by the mobile terminal.

11. The server according to claim 9 or 10, wherein the typesetting protocol data comprises

header information, common character typesetting information and special character typesetting information; wherein

the header information comprises font size information, font style information and font height information during typesetting;

the common character typesetting information comprises width information of a single character; and

the special character typesetting information comprises the supported type information of the special character, typesetting type information of the special character, and character data corresponding to the typesetting type information of the special character.

12. The server according to claim 11, wherein the content typesetting module specifically comprises:

an area determining unit (346a) configured to determine a typesetting area according to the screen information;

a character judging module (346b) configured to judge in turn whether each character contained in the contents to be typeset is a special character;

a common typesetting unit (346c) configured to typeset the character to the typesetting area according to the common character typesetting information if a character contained in the contents to be typeset is not a special character; and

a special typesetting unit (346d) configured to typeset the character to the typesetting area according to the special character typesetting information if a character contained in the characters to be typeset is a special character.

13. The server according to claim 12, wherein the special typesetting unit specifically comprises:

a typesetting judging subunit (702) configured to judge, according to the supported type information of the special character, whether the typesetting of the current special character is supported; and

a special typesetting subunit (704) configured to typeset the current special character to the typesetting area according to the typesetting type information of the special character and the character data corresponding to the typesetting type information of the special character if the typesetting judging subunit judges that the typesetting of the current special character is supported.

14. The server according to any of claims 1, 2, 4 and 5, wherein the information receiving

module specifically comprises:

an address receiving unit (342a) configured to receive a webpage address uploaded by the mobile terminal; and

a data acquiring unit (342b) configured to acquire webpage data according to the webpage address, and use the acquired webpage data as the contents to be typeset.

15. A mobile terminal, wherein the mobile terminal comprises:

an information uploading module (322) configured to upload unique identification information, contents to be typeset and screen information to a server, the unique identification information corresponds to typesetting protocol data required by typesetting; and

a typesetting receiving module (324) configured to receive the typeset contents fed back by the server, the typeset contents are contents which are acquired by the server after typesetting the contents to be typeset according to the typesetting protocol data and the screen information.

16. The mobile terminal according to claim 15, wherein the mobile terminal further comprises:

an information generation module (321a) configured to generate the unique identification information according to the typesetting protocol data to be uploaded;

a pre-uploading module (321b) configured to upload the unique identification information to the server so that the server judges whether it is required to upload the typesetting protocol data; and

a data uploading module (321c) configured to upload the typesetting protocol data to the server after receiving an uploading determination instruction fed back by the server.

17. A typesetting system, wherein the typesetting system comprises the server according to any of claims 9-14 and the mobile terminal according to any of claim 15 or 16.

Dated this 13th day of January, 2015

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