

display the downloaded document, thereby achieving the purpose and effect of rapidly downloading documents via multimedia messaging.

[0014] Referring again to FIG. 1, after the response of the wireless communication device 13 is received by the network server 12, the network server 12 will calculate the fees to be charged for using the network in accordance with the information, such as the type and the size of the downloaded document, contained in the response.

[0015] Referring to FIG. 1 and FIG. 2, the circuit of the wireless communication device 13 includes a receiving module 131, an analyzing module 132, a storage module 133, a display module 134, a sending module 135, and a multimedia message conversion module 136. The receiving module 131 receives the MMS sent from the network server 12. The analyzing module 132 comprises a recognizer (not shown) which enables the analyzing module 132 to recognize the MMS sent from the network server 12. The storage module 133 comprises a memory (such as flash memory, not shown) which enables the storage module 133 to store the downloaded document. The display module 134 comprises a screen (such as Liquid Crystal Display not shown) which enables the display module 134 to display the downloaded document for users to browse the document. The sending module 135 can send the downloaded document to other wireless communication devices 13. The multimedia message conversion module 136 can also convert the document in the wireless communication device 13 into MMS that contains downloaded information. The sending module 135 can then send the message to other wireless communication devices 13.

[0016] Referring to FIG. 1 and FIG. 3, the wireless communication device 13 performs the following steps when the MMS sent from the network server 12 is received by the wireless communication device 13:

[0017] First at all in step 301, the recognizer recognizes the SMIL in the MMS.

[0018] Step 302, determines whether the MMS is a downloaded document according to the recognized information. If yes, continue to go to step 303, otherwise, go to step 306.

[0019] Step 303, determines whether a store command is received from the user. If yes, continue to go to step 304, otherwise, go to step 305.

[0020] Step 304, stores the downloaded document into the memory, and then stop.

[0021] Step 305, the downloaded document is displayed on the display module 134 for users to browse the document, and then stop.

[0022] Step 306, displays the multimedia message, and then stop.

[0023] Referring to FIG. 1 and FIG. 4, when the MMS is sent out to the Internet via the personal computer 11, the personal computer 11 performs the following steps:

[0024] First, in step 401, a multimedia message is generated according to the input information or command.

[0025] Step 402 determines whether the multimedia message contains a downloaded document. If yes, continue to go to step 403, otherwise, go to step 405.

[0026] In step 403, the MMS is represented as a downloaded document by using the SMIL.

[0027] In step 404, the MMS is sent to the designated receiver, and then stop.

[0028] In step 405, the MMS is sent to the designated receiver, and then stop. According to one particular embodiment of the present invention, the SMIL comprises a label of “<!-- -->”. Such a label is employed to give comments to the multimedia message, thereby commenting that the MMS is a downloaded document, adding “download” into the label. For example, the label “<!--LACN_MMS MPG DOWNLOAD-->” denotes that this is an MMS containing downloaded contents. Furthermore, one can use the label “<!--LACN_MMS_FIEL_OEBsrc=“sample.oeb-->” to tell the recognizer of the wireless communication device 13 that this document contains a document “sample.oeb”, which is to be downloaded. While the invention has been described by means of specific embodiments, numerous modifications and variations could be made thereto by those skilled in the art without departing from the scope and spirit of the invention set forth in the claims.

What is claimed is:

1. A method for downloading documents by using multimedia messaging of a wireless communication device, the method employs a personal computer to connect with Internet and to send and receive multimedia messages, wherein the multimedia messages to be sent and received are represented as downloaded documents by using the simultaneous media integration language, and are transmitted to a designated wireless communication device via a network server;

whereby a recognizer pre-configured in the wireless communication device recognizes that the multimedia message is the downloaded document after the multimedia message is received in the wireless communication device, and sends out a response to the network server, thereby storing the downloaded document in the wireless communication device or displaying the downloaded document on the wireless communication device.

2. The method of claim 1 wherein the network server calculates the network usage fee based on the content and size of the document recorded in the response, after the network server receives the response from the wireless communication device.

3. The method of claim 1, wherein the circuit of the wireless communication device comprises a receiving module, an analyzing module, a storage module, a display module, a sending module and a multimedia message conversion module, wherein the receiving module receives the multimedia messages sent from the network server, the analyzing module comprises the recognizer that recognizes the multimedia messages sent from the network server, the storage module comprises a memory which stores the downloaded document, the display module displays the downloaded document for users to browse the document, the sending module sends the downloaded document to other wireless communication devices, the multimedia message conversion module converts the document in the wireless communication device into multimedia messages that con-