

Language document of the received message defines, if the type of the received message includes a Synchronized Multimedia Integration Language document.

[0022] Preferably, the method for presenting a multimedia message further includes: checking whether the received message has an enclosure file when the layout is completely made; and if the received message has an enclosure file, making a third layout according to the rule in the controller and inserting the third layout into the formed layout.

[0023] Additional advantages, objects, and features of the invention will be set forth in part in the description which follows and in part will become apparent to those having ordinary skill in the art upon examination of the following or may be learned from practice of the invention. The objects and advantages of the invention may be realized and attained as particularly pointed out in the appended claims.

BRIEF DESCRIPTION OF THE DRAWINGS

[0024] The invention will be described in detail with reference to the following drawings in which like reference numerals refer to like elements wherein:

[0025] **FIG. 1** illustrates a method for presenting a Multipart.related type message in accordance with a related art;

[0026] **FIG. 2** is a flow chart illustrating processes of an exemplary method for presenting a multimedia message in accordance with the present invention;

[0027] **FIG. 3** illustrates an exemplary presentation of a Multipart.related type message in accordance with the present invention; and

[0028] **FIG. 4** illustrates an exemplary presentation of an enclosure file in accordance with the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0029] The preferred embodiment of the present invention will now be described with reference to the accompanying drawings.

[0030] A communications terminal (e.g., mobile communications terminal) in accordance with the present invention includes a controller (not shown) for receiving a multimedia message (e.g., Multipart.related type message) and making a layout of the received multimedia message according to what an SMIL document of the received message defines, checks whether the received message has an enclosure file, making a layout of the enclosure file according to its rules if the received message has the enclosure file, inserting the layout of the enclosure file into the layout of the received multimedia message, and presenting contents of the message and the enclosure file according to the two formed layout.

[0031] Preferably, if the received message does not include the SMIL document (e.g., a Multipart.mixed type), the controller makes a layout of the received message according to the rules set in the controller and presents the contents of the message according to the formed layout.

[0032] **FIG. 2** is a flow chart illustrating the processes of an exemplary method for presenting a multimedia message in accordance with the present invention.

[0033] As shown in **FIG. 2**, when a mobile communications terminal receives a multimedia message, a controller of the terminal discriminates a method according to which the received message has been encoded, namely, determines what type of multimedia message it is (steps S10 and S20). And then, the controller makes a layout according to a specific method depending on the discriminated message type (steps S30-S70).

[0034] If the received multimedia message includes a SMIL document like a Multipart.related type message, the controller makes a layout (referred to, hereinafter, as a 'first layout') with respect to contents (media objects such as images, video, text, audio, and the like) of the received message according to what the SMIL documents defines (step S30). After completing the first layout, the controller checks whether the received multimedia message has an enclosure (attachment) file (step S40).

[0035] If the received multimedia message does not have an enclosure (attachment) file, the controller performs a presentation to allow the contents of the received message to be displayed in a slide form ("slide show") according to the formed first layout (step S70). If, however, the received multimedia message has an enclosure file, the controller makes a layout (referred to, hereinafter, as a 'second layout') connecting respective media items (objects) of the enclosure file by applying a default layout to the enclosure file (step S50).

[0036] The default layout is applied in making the layout (second layout) of the multimedia message, which does not include the SMIL document or the enclosure file, and is made according to the following rules.

[0037] As stated above, for presentation, the controller generates at least one or more slides, each having a maximum two regions. If the generated slide has two regions, one is for text and the other is for images or video.

[0038] In order to make the layout of the message received without the SMIL document, first, the controller extracts image files from the multimedia message (or enclosure file), generates slides corresponding to the number of extracted image files, and inserts each image file to each corresponding slide. In this case, the slide includes two regions (image or video region and a text region). If video files exist in the multimedia message (or enclosure file), the controller additionally generates slides corresponding to the number of video files and inserts each video file to each corresponding slide.

[0039] Next, the controller extracts text files from the multimedia message (or enclosure file), and then, sequentially (or according to the rule set in the controller) inserts the text files into each text region of the generated slides (Slide #1, Slide #2, . . . , Slide #n). If a slide (Slide #1, Slide #2, . . . , Slide #n) includes a slide of the video file, the extracted text file is preferentially inserted into the slide of the image file and then inserted into the slide of the video file.

[0040] If there are more extracted text files than the image files (including video files), the controller additionally generates a slide having only the text region and inserts the extracted text file therein.

[0041] When insertion of the text file is completed, the controller checks whether an audio file exists in the multi-