

SYSTEM AND METHOD FOR TRANSMISSION TEXT ART

BACKGROUND OF THE INVENTION

The present invention relates to text art transmission method using Short Message
5 Service (SMS) that facilitates text art transmission together with a text message based on a menu selection manner of a terminal.

The Personal Communication Service (PCS) among the mobile communication
services offer a portable terminal to a user and facilitates voice data communication and
low speed data communication using portable subminiature and light weighted terminal
10 irrespective of time and location.

Members of the wireless mobile communication service can communicate with
each other freely, whenever they want to call or wherever they want to call. In addition,
they can be provided with the function that is offering data in text. For example, the
wireless mobile communication service provider have provided the members with news
15 information, weather information, sports information, stock information, exchange
information, traffic information, etc. using the SMS which facilitates simple message
transmission.

The SMS is two-way text transmission service facilitates short message
transmission without regard to a call between one terminal and the other terminal. This
20 service enables one member to be received message via public phone network, data
transmission network or Internet, when the other member sends 105 byte's rate short text.
For using the SMS, users should have a mobile communication terminal. Also, users can
receive a message during a call. When members cannot receive messages because the
power of a terminal is turned off, the message is saved for checking the message at the

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same time the power of a terminal is turned on.

There are various services using the SMS as news information, weather information, sports information, exchange information, traffic information, game, e-mail transmission, bullets services, fan club service, etc.

5 In addition, the SMS is called enterprise type short message service or group report service. Besides for general users, the SMS facilitates enterprises' services for example, sending various kinds Direct Mail (DM) advertising, charge accounts at the same time, in large quantities for users, The mobile communication service provider can increase benefits by means of securing enterprisers having large quantities of message transmission, 10 as members of mobile communication service.

Heretofore, there has been one inconvenience that the member of wireless mobile communication service should input text or special text on the screen of a mobile communication terminal by adapting the row and the column of the terminal in order to a text art, which is composed of plural general letters and special letters to form a special 15 figure.

Also, there has been another inconvenience that when the member receives a call during inputting a message including text art using general letters and special letters on the mobile communication terminal, the member should input the message again because of impossibility of the message recovery.

20 In addition, there have been other inconveniences that after that the member transmitted one message including some text art, the member should input again another message including different text art for transmitting another message including different text art and a transmitted message including some text art should be inputted again for transmitting the message once more because the message has not stored.

25 In addition, it takes members a long time to inputting a text message including some text art.

Further more, there has been another inconvenience that someone transmits a text message including text art via Internet. Namely, when someone wants to transmit a text message including text art, he or she should input text art in a message with entirely consideration of the number of inputting letters in a row and a represented form in a column. Because a form of text message inputting window in a computer screen is different from a form of a mobile communication terminal's screen.

SUMMARY OF THE INVENTION

An object of the invention is to provide a system and a method for selecting specific text arts from a text art storage device and transmitting a message including the text arts to members of mobile communication services using the SMS, which transmits the message to the text indicator of the mobile communication terminal of a recipient when a sender among wireless mobile communication service members requests transmission of a text message including text arts using the menu selection manner of a mobile communication terminal or Internet.

A text art transmission system for transmitting SMS including the text art to a recipient in accordance with one preferred embodiment in accordance with one aspect of the present invention comprises a terminal for displaying a text art service menu and transmitting a text art request message that includes a selection information relevant to the text art selected in the text art service menu, a text art storage device for storing the text arts, a retrieval device for retrieving the text arts corresponding to the text art request message from said text art storage device, and a transmission device for transmitting the retrieved text arts to a recipient, wherein the text arts is composed of a plurality of general letters and special letters to form a special figure. It is possible that the transmission of the text arts is performed by said terminal and said transmission device via a wireless communication network or a computer communication network.

A method for transmitting a text art to a plurality of mobile communication terminals that are connected to a text arts transmission system including at least one SMSC through a communication network in accordance with one preferred embodiment in accordance with another aspect of the present invention comprises the first step, receiving
5 a transmission request for text art from a sender's mobile communication terminal, in response to the transmission request, retrieving the text arts in accordance with a recipient's mobile communication terminal and the transmission request from a text art database, and transmitting the retrieved text arts to the recipient's mobile communication terminal, wherein the text arts is a SMS that is composed of a plurality of general letters
10 and special letters to form a special figure. Also, the text art transmission method further comprises the fourth step, receiving a transmission request for text message from the sender's mobile communication terminal.

A text art transmission method in accordance with another preferred embodiment in accordance with another aspect of the present invention comprises the first step, in a
15 sender's mobile communication terminal, receiving a menu data for displaying a text art service menu including at least one selected from a group consisting of a birthday celebration, a love letter, a success celebration, an inquiry, a character, a friendship, a promise, transmitting a selection information relevant to a text art, which the sender selects in the text art service menu, to a mobile communication service provider, in a recipient's
20 mobile communication terminal, receiving the text art relevant to the selection information from the mobile communication service provider, and displaying the text art on a display of the recipient's mobile communication terminal, wherein the text arts is a SMS that is composed of a plurality of general letters and special letters to form a special figure.

Also, a text art transmission method in accordance with still another preferred embodiment
25 in accordance with another aspect of the present invention comprises the first step, in a

sender's mobile communication terminal, transmitting a text art request message that includes a selection information relevant to a text art selected in a plurality of a text art service menu including at least one among a birthday celebration, a love letter, a success celebration, an inquiry, a character, a friendship, a promise, in a text art service provider, receiving the text art request message and a recipient's telephone number, in the text art service provider, retrieving the text art relevant to the selection information from a text art storage device, in the text art service provider, transmitting the retrieved text art to a recipient's terminal, and in a recipient's mobile communication terminal, displaying the text art, wherein the text arts is a SMS that is composed of a plurality of general letters and special letters to form a special figure. In addition, the text art service menu is displayed in the form of a tree-type structure.

A method transmitting a text art to a recipient's mobile communication terminal that is connected to a text arts transmission system including at least one SMSC through a communication network in accordance with still another preferred embodiment in accordance with another aspect of the present invention comprises the first step, in a sender's mobile communication terminal, transmitting a text art request message including a selection information relevant to a text art that is selected in a plurality of a text art service menu including at least one among a birthday celebration, a love letter, a success celebration, an inquiry, a character, a friendship, a promise, in the SMSC, receiving the text art request message and a recipient's telephone number, in the SMSC, retrieving the text art relevant to the selection information from a text art storage device that stores a plurality of text arts, in the SMSC, reconstructing the form of the retrieved text art suitable for being transmitted to the recipient's terminal, in the SMSC, transmitting the reconstructed text art to the recipient's mobile communication terminal, and in the recipient's mobile communication terminal, displaying the text art on a display, wherein the text arts is a SMS that is composed of a plurality of general letters and special letters to form a special figure. In addition, the text art service menu is displayed in the form of a tree-type structure.

A method for transmitting a text art to a recipient's mobile communication terminal using Internet in accordance with still another preferred embodiment in accordance with another aspect of the present invention

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comprises the steps of displaying a screen that is composed to transmit SMS on a display, selecting one from an icon, a hyperlink and a menu on the display, wherein all of them represent the text art service menu including at least one selected from a group consisting a birthday celebration, a love letter, a success celebration, an inquiry, a character, a friendship and a promise, transmitting a text art request message for the selected text art, connecting to SMSC through IWF, receiving the text art request message and the recipient's telephone number in SMSC, retrieving the selected text art from a text art storage device which stores a plurality of text arts, reconstructing the form of the retrieved text art suitable for being transmitted to the recipient's mobile communication terminal, transmitting the selected text art to the recipient's mobile communication terminal, and displaying the text art which is received by the recipient's mobile communication terminal on the display, wherein the text arts is a SMS that is composed of a plurality of general letters and special letters to form a special figure.

A text art transmission method for storing a text art that a user produces in a text art service provider's database in accordance with still another embodiment in accordance with another aspect of the present invention comprises in the user's mobile communication terminal, selecting one of the text art service menus including at least one among a birthday celebration, a love letter, a success celebration, an inquiry, a character, a friendship, a promise, inputting the text art in accordance with the selected menu, transmitting the inputted text art to the text art service provider, in the text art service provider, receiving the transmitted text art, storing the text art in the text art service provider's database, transmitting a result of storing the text art to the user's mobile communication terminal, and in the user's mobile communication terminal, displaying the result transmitted by the text art service provider, wherein the text arts is a SMS that is composed of a plurality of general letters and special letters to form a special figure.

A method for transmitting a text art between a sender's mobile communication terminal and a recipient's mobile communication terminal using a special text row in SMS in accordance with still another embodiment in accordance with another aspect of the present invention comprises in the sender's mobile communication terminal, inputting a text message, transmitting the inputted text message to SMSC, in SMSC, receiving the text message and the recipient's telephone number, retrieving a special text row in the received text message, retrieving the text art in accordance with the retrieved special text from a text art storage device which stores a plurality of text arts, reconstructing the form of the retrieved text art suitable for being transmitted to the recipient's mobile communication terminal, transmitting the reconstructed text art to the recipient's mobile communication terminal, and the recipient's mobile communication terminal, displaying the received text art, wherein the text arts is a SMS that is composed of a plurality of general letters and special letters to form a special figure. The first method is retrieving by deciding whether there is a fixed number in a special portion of the text message or not, the second method is retrieving by deciding whether there is a fixed text row in a special portion of the text message, the third method is retrieving a special text row by the whole text message.

BRIEF DESCRIPTION OF THE DRAWINGS

These also other features, aspects, and advantages of the present invention will become better understood with regard to the following description, appended claims, and accompanying drawings where:

Fig. 1 is a graph illustrating the text art transmission system using the SMS by a

mobile communication terminal in accordance with one preferred embodiment of the present invention;

Fig. 2 is a graph illustrating a text art transmission system using the SMS by a personal computer in accordance with one preferred embodiment of the present invention;

5 Fig. 3 is a graph illustrating a flow of text art information data between a mobile communication terminal and a text message processing system in a text art transmission method in accordance with one preferred embodiment of the present invention;

Fig. 4 is a graph illustrating a flow of text art information data between a personal computer and a text message processing system in a text art transmission method in
10 accordance with one preferred embodiment of the present invention;

Fig. 5 is a graph illustrating a picture displayed on a display as being received and menu forms on a display of mobile communication for selecting in order to include a text art in a text message of a terminal in accordance with one preferred embodiment of the present invention;

15 Fig. 6 is a graph illustrating a picture displayed on a display as being received and menu forms on a display of mobile communication for selecting in order to include a text art in a text message of a terminal in accordance with another preferred embodiment of the present invention;

Fig. 7 is a graph illustrating a received picture, a transmitting picture and a menu
20 form in a case of a special text row retrieving in a text message in accordance with still another preferred embodiment of the present invention; and

Fig. 8 is a graph illustrating a displaying picture and a menu form when each member of a mobile communication service stores his or her text art in a text art storage device in accordance with still another preferred embodiment of the present invention.

Detailed Description of the Invention

Fig. 1 is a graph illustrating the text art transmission system using the SMS by a mobile communication terminal in accordance with one preferred embodiment of the present invention.

5 The text art transmission system comprises a plurality of mobile communication terminal 110a, 110b, ... , 110n (hereinafter referred to 110), a Base Transceiver Station (BTS) 120, a Base Station Controller (BSC) 130, a Mobile Switching Center (MSC) 140, a Visitor Location Register (VLR) 150, a Home Location Register (HLR) 155, a Short Message Service Center (SMSC) 160 and a Value Added System (VAS) 170.

10 When a member of mobile communication selects one menu among text art menus on a menu picture, the mobile communication terminal 110 transmits the selected text art information to the BTS 120 and receives the result in accordance with the text art request information from the BTS 120.

15 The BTS 120/the BSC 130 receive the text art information from the mobile communication terminal 110, then transmit the text art information to the MSC 140, the VLR 150 and the HLR 155. Thereafter, the BTS 120/the BSC 130 receive the text art data in accordance with the requested text art information from the MSC 140 and the VLR 150.

20 Also, the BTS 120 executes the control of the receipt and sending a call of a mobile communication terminal, the management of wireless channel in a cell according with the BTS 120.

 In addition, the BSC 130 controls more than 8 BTSs 120 and compresses a voice PCM signal of 64 Kbps into 8 or fewer Kbps using the IS-96 voice compression algorithm when members communicate by mobile communication terminals.

The MSC 140, the VLR 150 and the HLR 155 receive the text art request information from the BSC 130 then transmit the text art request information to the SMSC 160. In this case, the VLR 150 and the HLR 155 secure a sender's telephone number, a recipient's telephone number of the mobile communication terminals 110 etc. and add the
 5 telephone numbers to the text art request message, then transmit the text art request message added telephones to the SMSC 160.

The MSC 140 is connected to the BTS 120 and is charge of a signal processing, a relay function etc. for members of a mobile communication service.

The VLR 150 provides a service from its assigned district to another district. The
 10 HLR 155 keeps information records of a member who stays within member residence domain of the mobile communication service.

The SMSC 160 receives the text art request message, the sender's telephone number and recipient's telephone number and retrieves a text art in accordance with the text art request message in the VAS 140 then abstracts the text art. Also, the SMSC 160
 15 transmits the received information and the abstracted text art to the MSC 140.

The VAS 170 has been stored all transmittable text arts besides the requested text art.

The VAS 170 can be constructed using a database for service provided using the existing SMS, for example, news information, weather information, sports information,
 20 stock information, exchange information, traffic information, game, e-mail transmission, bullets service, fan club, etc.

Fig. 2 is a graph illustrating a text art transmission system using the SMS by a personal computer in accordance with one preferred embodiment of the present invention.

The text art transmission system comprises mobile communication terminals 210, a

Base Transceiver Station (BTS) 220, a Base Station Controller (BSC) 230, a Mobile Switching Center (MSC) 240, a Visitor Location Register (VLR) 250, a Home Location Register (HLR) 255, a Short Message Service Center (SMSC) 260, a Value Added System (VAS) 270, a Inter-Working Function (IWF) 280, Internet 290 and a computer 295.

5 As referring to Fig. 1, duplicating description will be omitted.

The IWF 280 facilitates that a wireless data communication using a mobile communication terminal transmits and receives data only with a mobile communication terminal without an additional wireless modem because the IWF 280 has a modem and the function of the PPP server and facilitates that a mobile communication terminal is coupled
10 to the Inter and a PC communication network. Consequently, the IWF 280 facilitates transmitting the transmitting request data of the text message to the SMSC 260 through the computer 295.

The Internet 290 is the largest communication network that facilitates free communication between computers lying scattered in the world.

15 The computer 295 is a user apparatus for sender's connecting the Internet 290.

Fig. 3 is a graph illustrating a flow of text art information data between a mobile communication terminal and a text message processing system in a text art transmission method in accordance with one preferred embodiment of the present invention.

The recipient's telephone number, the text message, the text art request message
20 and the sender's telephone number inputted in the mobile communication terminal are transmitted to the MSC 140, 240, the VLR 150, 250, the HLR 155, 255 via the BTS 120, 220 and the BSC 130, 230. Then, the text art request message 330 added the terminal information of the sender's telephone number, the recipient's telephone number, etc. is transmitted from the VLR 150, 250 and the HLR 155, 255 to the SMSC 160, 260.

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The SMSC 160, 260 retrieves and abstracts the relevant text art from the VAS 170, 270 referring to the terminal information. Then, the abstracted text art data and text message art transmitted to the recipient's terminal 110, 210 via the MSC 140, 240, the VLR 150, 250, the HLR 155, 255, the BSC 130, 230 and the BTS 120, 220.

5 In the one preferred embodiment of the present invention, when storage list in the VAS 170, 270 is amended, the storage list information is storing in the terminal of the member of the mobile communication service. Then, the information in the terminal of the member of the mobile communication service is renewed whenever the storage list is amended.

10 Also, in the other preferred embodiment of the present invention, a step is further comprised, wherein the step is requesting and receiving the list of the text art addable to the text message of the sender.

Fig. 4 is a graph illustrating a flow of text art information data between a personal computer and a text message processing system in a text art transmission method in accordance with one preferred embodiment of the present invention.

15 A user is able to connect to the Internet 290 using a cable communication network, wireless communication network, etc. connected to the computer 295, and is able to connect a site or a homepage which makes the SMS possible. The recipient's telephone number, the text message, the text art request message and the sender's telephone number
20 inputted on the screen which displays the SMS picture, are transmitted to the SMSC 160, 260 via the IWF 280.

The SMSC 160, 260 retrieves and abstracts the relevant text art from the VAS 170, 270 referring to the received terminal information and the received text art request message.

In the one preferred embodiment of the present invention, the text art information

addable to the text message is already expressed on the picture and the icons and the like are amended and displayed when the storage list in the storage device is amended.

Also, in the other preferred embodiment of the present invention, the list of the text art addable to the sender's text message is requested and is displayed on the picture newly.

5 Afterward steps will be omitted because the description of the steps is equal to that of the steps referring to Fig. 3.

Fig. 5 is a graph illustrating a picture displayed on a display as being received and menu forms on a display of mobile communication for selecting in order to include a text art in a text message of a terminal in accordance with one preferred embodiment of the
10 present invention.

As referring to Fig. 5, the text message menu display 510 comprises a recipient menu 512, a sending message menu 514, a sender menu 516 and a text art menu 518.

When the sending message menu 514 is selected, a picture 520 is displayed for inputting the text message. For example, as referring to Fig. 5, a message under the style of
15 'I'm a monster!' is inputted 522.

The text art menu display 510 displayed on the display of the mobile communication by selecting the text art menu 518 comprises a birthday celebration menu 532, a love letter menu 533, a success celebration menu 534, an inquiry menu 535 and a character menu 536.

20 The character menu display 540 displayed on the display of the mobile communication terminal by selecting the character menu 536 comprises a monster menu 542, a tigger menu 544, a Mickey Mouse menu 546, a Donald Duck menu 548.

When the monster menu 542 among the menus is selected and transmitted to the recipient, the picture 550 is displayed on the display of the recipient's mobile

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communication terminal.

Fig. 6 is a graph illustrating a picture displayed on a display as being received and menu forms on a display of mobile communication for selecting in order to include a text art in a text message of a terminal in accordance with another preferred embodiment of the present invention

As referring to Fig. 5, duplicating description will be omitted.

As referring to Fig. 5 again, when the character menu 536 is selected, the picture 640 is displayed on the display of the mobile communication terminal.

The text art that the sender wishes to transmit, is able to be selected by selecting the number of the picture menu displayed. For example, when the text art in accordance with the 'monster' is needed to be added to the text message and be transmitted, the digit '1' should be selected.

Fig. 7 is a graph illustrating a received picture, a transmitting picture and a menu form in a case of a special text row retrieving in a text message in accordance with still another preferred embodiment of the present invention.

As referring to Fig. 5, duplicating description will be omitted.

As referring to Fig. 7, the text message menu display 710 comprises a recipient menu 712, a sending message menu 714 and a sender menu 716.

When the sending menu 714 is selected, the picture 716 is displayed for inputting the text message.

For example, as referring to Fig. 7, a message under the style of '[monster] I'm a monster!' is inputted 720. The previous portion of the example, the text row of the '[monster]' means that the text art in accordance with the '[monster]' should be transmitted to the recipient. Also, the latter portion of the example, the text row of the 'I'm a monster!'

is the contents of the text message that the sender wishes to transmit to the recipient. When making of the text message is completed, the validation button 722 is selected then the steps are finished. Otherwise, the cancellation button 724 is selected for making the text message newly.

5 When the text message is transmitted as described above, the picture 550 is displayed on the display of the recipient's mobile communication terminal.

Fig. 8 is a graph illustrating a displaying picture and a menu form when each member of a mobile communication service stores his or her text art in a text art storage device in accordance with still another preferred embodiment of the present invention.

10 As referring to Fig. 8, the text message menu display 810 comprises a recipient menu 812, a sending message menu 813, a sender menu 814, a text art menu 815 and a text art storage menu 816.

 When the text art menu 816 is selected, the picture 820 is displayed on the display of the mobile communication terminal. The picture 820 comprises a making text art menu
15 822, a storage list menu 824.

Also, the text message display menu 810 further comprises a transmission menu for transmitting the made text art of the member of the mobile communication service.

 When a making text art menu 822 is selected, the picture 830 comprising a text art inputting space, a storing text art menu 832 and a canceling text art menu 834 is displayed
20 on the display of the mobile communication terminal. When the member of the mobile communication service inputs a specific text art in the text art inputting space and selects the storing text art menu 832, the inputted text art is transmitted to the text art storage device and is stored in the text art storage device by the steps referring to Fig. 3. Also, when the member selects the canceling text art menu 834, the inputted text art is deleted.

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Fig. 8 illustrates, for example a case that [monster] text art is inputted.

When the member inputs the text art and selects the storing text art menu 832, as the picture 840, a message under the style of 'storing text art completed' is displayed on the mobile communication terminal by the steps referring to Fig. 3

5 When the member selects the storage list menu 824, the text art that the member has inputted and stored is displayed. For example, in the case of the member who has inputted the 'monster' in the text art storage device, when the storing list menu 824 is selected, the picture 852 is displayed on the display of the member's mobile communication terminal.

10 Fig. 5 to Fig. 8 are only illustrations the text art transmission method using the SMS, so modification within the spirit of the invention will be apparent to those skilled in the art.

As according with another embodiment of the present invention, the text art transmission method is embodied, after retrieving a fixed number (for example, 101, 235, 15 392, etc.), by being added the text art in accordance with the fixed number (for example, a monster, a Mickey Mouse, etc. respectively) to the specific portion (for example, the beginning of the text message, the end of the text message, etc.) of the text message.

In addition, as according with another embodiment of the present invention, whether the text art is added or not is able to be determined by whether the specific text 20 row is retrieved or not being retrieved the whole text message. For example, when a sender has transmitted a text message under the style of "Today ... congratulate ... birthday ... ", the specific text row, for example "birthday", "congratulate" in the text message is retrieved, then the text message added the text art in accordance with the specific text row is transmitted.

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Although the present invention has been described in terms of various embodiments, it is not intended that the invention be limited to these embodiments. Modification within the spirit of the invention will be apparent to those skilled in the art.

The advantage of the text art transmission system and method is that a text message
5 added a text art is transmitted using the SMS.

Another advantage of the text art transmission system and method is that the time required for inputting a text art is reduced using the SMS.

Also, another advantage of the text art transmission system and method is that a sender is able to talk over a terminal without a burden though there is a call request from
10 another member of a mobile communication service while the sender makes the text message, using the SMS.

In addition, another advantage of the text art transmission system and method is that text messages is transmitted to a plurality of member of the mobile communication services using the SMS, wherein each text message is added to different text art.

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What is claimed is;

1. A text arts transmission system for transmitting SMS including the text art to a recipient, comprising;

5 a terminal for displaying a text art service menu and transmitting a text art request message that includes a selection information relevant to the text art selected in the text art service menu;

 a text art storage device for storing the text arts;

 a retrieval device for retrieving the text arts corresponding to the text art request message from said text art storage device; and

10 a transmission device for transmitting the retrieved text arts to a recipient, wherein the text arts is composed of a plurality of general letters and special letters to form a special figure.

15 2. The system of claim 1, wherein the transmission of the text arts is performed by said terminal and said transmission device via a wireless communication network.

 3. The system of claim 1, wherein the transmission of the text arts is performed by said terminal and said transmission device via a computer communication network.

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4. A method for transmitting a text art to a plurality of mobile communication terminals that are connected to a text arts transmission system including at least one SMSC through a communication network, said method comprising the steps of;

 receiving a transmission request for text art from a sender's mobile communication terminal;

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in response to the transmission request, retrieving the text arts in accordance with a recipient's mobile communication terminal and the transmission request from a text art database; and

transmitting the retrieved text arts to the recipient's mobile communication terminal,

wherein the text arts is a SMS that is composed of a plurality of general letters and special letters to form a special figure.

5. The method of claim 4 further comprising the step of receiving a transmission request for text message from the sender's mobile communication terminal.

6. A text arts transmission method comprising the steps of;

in a sender's mobile communication terminal, receiving a menu data for displaying a text art service menu including at least one selected from a group consisting of a birthday celebration, a love letter, a success celebration, an inquiry, a character, a friendship, a promise;

transmitting a selection information relevant to a text art, which the sender selects in the text art service menu, to a mobile communication service provider;

in a recipient's mobile communication terminal, receiving the text art relevant to the selection information from the mobile communication service provider; and

displaying the text art on a display of the recipient's mobile communication terminal,

wherein the text arts is a SMS that is composed of a plurality of general letters

and special letters to form a special figure.

7. A text art transmission method comprising the steps of;

5 in a sender's mobile communication terminal, transmitting a text art request message that includes a selection information relevant to a text art selected in a plurality of a text art service menu including at least one among a birthday celebration, a love letter, a success celebration, an inquiry, a character, a friendship, a promise;

10 in a text art service provider, receiving the text art request message and a recipient's telephone number;

in the text art service provider, retrieving the text art relevant to the selection information from a text art storage device;

in the text art service provider, transmitting the retrieved text art to a recipient's terminal; and

15 in a recipient's mobile communication terminal, displaying the text art, wherein the text arts is a SMS that is composed of a plurality of general letters and special letters to form a special figure.

20 8. The method of claim 7, wherein the text art service menu is displayed in the form of a tree-type structure.

9. A method transmitting a text art to a recipient's mobile communication terminal that is connected to a text arts transmission system including at least one SMSC through a communication network, said method comprising the steps of;

25 in a sender's mobile communication terminal, transmitting a text art request

message including a selection information relevant to a text art that is selected in a plurality of a text art service menu including at least one among a birthday celebration, a love letter, a success celebration, an inquiry, a character, a friendship, a promise;

5 in the SMSC, receiving the text art request message and a recipient's telephone number;

in the SMSC, retrieving the text art relevant to the selection information from a text art storage device that stores a plurality of text arts;

10 in the SMSC, reconstructing the form of the retrieved text art suitable for being transmitted to the recipient's terminal;

in the SMSC, transmitting the reconstructed text art to the recipient's mobile communication terminal; and

in the recipient's mobile communication terminal, displaying the text art on a display,

15 wherein the text arts is a SMS that is composed of a plurality of general letters and special letters to form a special figure.

10. The method of claim 9, wherein the text art service menu is displayed in the form of a tree-type structure.

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11. A method for transmitting a text art to a recipient's mobile communication terminal using Internet, comprising the steps of;

displaying a screen that is composed to transmit SMS on a display;

selecting one from an icon, a hyperlink and a menu on the display, wherein all

25 of them represent the text art service menu including at least one selected from

a group consisting a birthday celebration, a love letter, a success celebration,
an inquiry, a character, a friendship and a promise;
transmitting a text art request message for the selected text art;
connecting to SMSC through IWF;
5 receiving the text art request message and the recipient's telephone number in
SMSC;
retrieving the selected text art from a text art storage device which stores a
plurality of text arts;
reconstructing the form of the retrieved text art suitable for being transmitted
10 to the recipient's mobile communication terminal;
transmitting the selected text art to the recipient's mobile communication
terminal; and
displaying the text art which is received by the recipient's mobile
communication terminal on the display,
15 wherein the text arts is a SMS that is composed of a plurality of general letters
and special letters to form a special figure.

12. A text art transmission method for storing a text art that a user produces in a text art
20 service provider's database, said method comprising the steps of;
in the user's mobile communication terminal, selecting one of the text art
service menus including at least one among a birthday celebration, a love letter,
a success celebration, an inquiry, a character, a friendship, a promise;
inputting the text art in accordance with the selected menu;
25 transmitting the inputted text art to the text art service provider;

in the text art service provider, receiving the transmitted text art;
storing the text art in the text art service provider's database;
transmitting a result of storing the text art to the user's mobile communication
terminal; and
5 in the user's mobile communication terminal, displaying the result transmitted
by the text art service provider,
wherein the text arts is a SMS that is composed of a plurality of general letters
and special letters to form a special figure.

- 10 13. A method for transmitting a text art between a sender's mobile communication
terminal and a recipient's mobile communication terminal using a special text row in SMS,
said method comprising the steps of;
in the sender's mobile communication terminal, inputting a text message;
transmitting the inputted text message to SMSC;
15 in SMSC, receiving the text message and the recipient's telephone number;
retrieving a special text row in the received text message;
retrieving the text art in accordance with the retrieved special text from a text
art storage device which stores a plurality of text arts;
reconstructing the form of the retrieved text art suitable for being transmitted
20 to the recipient's mobile communication terminal;
transmitting the reconstructed text art to the recipient's mobile communication
terminal; and
the recipient's mobile communication terminal, displaying the received text art,
wherein the text arts is a SMS that is composed of a plurality of general letters
25 and special letters to form a special figure.

14. The method of claim 13, wherein the step of retrieving a special text comprises at least one among the following three methods;

5 wherein the first method is retrieving by deciding whether there is a fixed number in a specific portion of the text message or not;

wherein the second method is retrieving by deciding whether there is a fixed text row in a specific portion of the text message;

wherein the third method is retrieving a specific text row by the whole text message.

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