

Electronic Patent Application Fee Transmittal

Application Number:				
Filing Date:				
Title of Invention:	Addressing Voice SMS Messages			
First Named Inventor/Applicant Name:	Ewald C. Anderl			
Filer:	Ashok Tankha			
Attorney Docket Number:	KIRU-02-US			
Filed as Small Entity				
Utility Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	75	75
Utility Search Fee	2111	1	255	255
Utility Examination Fee	2311	1	105	105
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				435

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

KIRU-02-US

First Inventor

Ewald C. Anderl

Title

Addressing Voice SMS Messages

Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☐ **Fee Transmittal Form** (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ **Applicant claims small entity status.**
See 37 CFR 1.27.
3. ☒ **Specification** [Total Pages 22]
Both the claims and abstract must start on a new page
(For information on the preferred arrangement, see MPEP 608.01(a))
4. ☒ **Drawing(s)** (35 U.S.C. 113) [Total Sheets 9]
5. **Oath or Declaration** [Total Sheets 3]
a. ☒ Newly executed (original or copy)
b. ☐ A copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
name in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
6. ☒ **Application Data Sheet.** See 37 CFR 1.76
7. ☐ **CD-ROM or CD-R** in duplicate, large table or
Computer Program (Appendix)
☐ Landscape Table on CD
8. **Nucleotide and/or Amino Acid Sequence Submission**
(if applicable, items a. – c. are required)
a. ☐ Computer Readable Form (CRF)
b. ☐ Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies); or
ii. ☐ Paper
c. ☐ Statements verifying identity of above copies

ADDRESS TO:

Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

ACCOMPANYING APPLICATION PARTS

9. ☒ **Assignment Papers** (cover sheet & document(s))
Name of Assignee Kirusa Inc.
10. ☒ **37 CFR 3.73(b) Statement** (when there is an assignee) ☒ **Power of Attorney**
11. ☐ **English Translation Document** (if applicable)
12. ☐ **Information Disclosure Statement** (PTO/SB/08 or PTO-1449)
☐ Copies of citations attached
13. ☐ **Preliminary Amendment**
14. ☒ **Return Receipt Postcard** (MPEP 503)
(Should be specifically itemized)
15. ☐ **Certified Copy of Priority Document(s)**
(if foreign priority is claimed)
16. ☐ **Nonpublication Request** under 35 U.S.C. 122(b)(2)(B)(i).
Applicant must attach form PTO/SB/35 or equivalent.
17. ☒ Other: Certified copy of prior Indian application
with no. 871/CHE/2007 will be mailed to the USPTO

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation☐ Divisional☐ Continuation-in-part (CIP)

of prior application No.:

Prior application information:

Examiner:

Art Unit:

19. CORRESPONDENCE ADDRESS

☐ The address associated with Customer Number: OR ☒ Correspondence address below

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Signature

Date

27 March 2008

Name
(Print/Type)

Ashok Tankha

Registration No.
(Attorney/Agent)

33802

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Electronic Acknowledgement Receipt	
EFS ID:	3058828
Application Number:	12056300
International Application Number:	
Confirmation Number:	9331
Title of Invention:	Addressing Voice SMS Messages
First Named Inventor/Applicant Name:	Ewald C. Anderl
Correspondence Address:	Ashok Tankha - 36 Greenleigh Drive - Sewell NJ 08080 US 856-266-5145 ash@ipprocure.com
Filer:	Ashok Tankha
Filer Authorized By:	
Attorney Docket Number:	KIRU-02-US
Receipt Date:	27-MAR-2008
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Time Stamp:	04:12:19
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Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
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RAM confirmation Number		13785			
Deposit Account		503291			
Authorized User		TANKHA,ASHOK			
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)					
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1		KIRU-02-US_Specification.pdf	92881 39956aa9bd18110524d22dd291a0f4fe0721b852	yes	22
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	17	
	Claims		18	21	
	Abstract		22	22	
Warnings:					
Information:					
2	Drawings-only black and white line drawings	KIRU-02-US_drawing.pdf	259707 10c2031a934d4c03ab4e5358932f079d6fedbab6	no	9
Warnings:					
Information:					
3	Power of Attorney	KIRU-02-US_POA.pdf	909752 89c686d0bb81e223822178ffa31f43080d94670e	no	1
Warnings:					
Information:					
4	Oath or Declaration filed	KIRU-02-US_Declaration.pdf	2528378 e0aa45357ea112dc37ced7284c75fede53163ea6	no	3
Warnings:					
Information:					
5	Transmittal of New Application	KIRU-02-US_Transmittal_SB05.pdf	416515 d0d69d63c74c5b97fc4c22cb7d1bab45d0a9e4f9	no	1
Warnings:					
Information:					

6	Assignee showing of ownership per 37 CFR 3.73(b).	KIRU-02-US_Statement37C FR.pdf	839160	no	1
			6d3c23575936d7c2542f4137387d8aod 8b36a9d6		
Warnings:					
Information:					
7	Fee Worksheet (PTO-06)	fee-info.pdf	8347	no	2
			44ba965d3fd13ac08d44ab268219f3be 64b657a4		
Warnings:					
Information:					
Total Files Size (in bytes):			5054740		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

ABSTRACT

Disclosed herein is a method and system for allowing voice short message service (SMS) messaging using methods of recipient addressing as used by text SMS messaging.

- 5 A user creates a text SMS message and addresses the message to a recipient. The address of the recipient may be obtained from the address book stored locally on the user's mobile device. A client application intercepts the text SMS message and prompts whether the user wants to include a voice SMS message. If the user wants to include the voice SMS message, the user's voice message is recorded on a server. The text message along
- 10 with a notification of the voice message is transmitted to the recipient. The recipient may use the information in the voice message notification to access and listen to the user's recorded voice message.

ADDRESSING VOICE SMS MESSAGES

CROSS REFERENCE TO RELATED APPLICATIONS

5 The following patents are incorporated herein as references:

1. This application claims the benefit of the provisional patent application titled
“Method and System for Voice SMS Messaging”, bearing the application number
871/CHE/2007, and filed on April, 25, 2007 at the Indian Patent Office.

10

2. Non-provisional Indian patent application titled “Method and System for Voice
SMS Messaging”, bearing the application number 871/CHE/2007, and filed on
Jan, 24, 2008 at the Indian Patent Office.

15

3. Patent application with patent number US 7,184,786 titled “Techniques for
combining Voice with Text Short Message Services” assigned to Kirusa, Inc., NJ,
USA.

20

4. Indian patent application with patent number 2775/CHENP/2006 titled
“Techniques for combining Voice with Wireless Text Short Message Services”
assigned to Kirusa, Inc., NJ, USA

25

5. Indian patent application with patent number 3495/CHENP/2005 titled “A
Method and System for Communicating a Data File over a Network and
Teleconferencing Over a Telephony Network” assigned to Kirusa, Inc., NJ, USA.

30

6. Indian patent application with patent number 4503/CHENP/2006 titled “Methods
for Identifying Messages and Communicating with Users of a Multimodal
Message Service” assigned to Kirusa, Inc., NJ, USA.

BACKGROUND

This invention, in general, relates to sending and receiving short messages
5 between wireless telephony users. More particularly, this invention relates to voice short message service (SMS) messaging using standard methods of recipient addressing as used by text SMS messaging.

In addition to the usual wireless telephony that cellular telephones provide, such
10 devices are also widely used for sending short message service (SMS) messages between wireless users.

More recently new devices and supporting network services are being introduced that allow a more general class of messages to be sent between the wireless devices,
15 where the messages include voice, still images, and even moving images. One of the prevalent services used today, besides text SMS messaging, is voice SMS messaging.

The existing methods of voice SMS messaging employ a mobile station integrated services digital network (MSISDN) number of the recipient's mobile device to send voice
20 SMS messages. These methods require a sender to input the recipient's address through a user input interface. The current methods of text SMS messaging may use the addresses stored on the user's mobile device or the addresses manually entered by the user for addressing the text messages. The recipient address may be stored in the mobile device's native address book or on the subscriber identity module (SIM) card in the mobile device.
25 However, the existing methods for voice SMS messaging do not allow the sender to practically use addresses stored in a local address book in the mobile device for selecting the recipients.

In view of the foregoing discussion, there is a need for a method and system for sending
30 voice SMS messages to recipients, using recipients' addresses stored in an address book.

The method and system must overcome the limitation of a user input requirement for addressing the recipients of the voice SMS messages.

SUMMARY OF THE INVENTION

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The method and system disclosed herein, allows voice short message service (SMS) messaging using standard methods of recipient addressing as used by text SMS messaging. Exemplarily, recipient addressing comprises use of a call history stored in the user's mobile device, to address the voice SMS message.

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A user creates a text SMS message and addresses the text message to a recipient, using the recipient's address that may be stored in a local address book, in the mobile device call history, or manually entered by the user on the mobile device. A client application provisioned on the user's mobile device intercepts the addressed text SMS
15 message and prompts whether the user wants to include voice content in the text SMS message. If the user chooses to include voice content, the user's voice message is recorded on a server. The text message along with a notification of the voice message is transmitted to the addressed recipient. The recipient may use the voice message notification to access and listen to the user's recorded voice message.

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The method and system disclosed herein can be implemented using standard wireless telephone devices capable of sending and receiving text SMS messages. Further, the disclosure herein is not limited to wireless phones but will also work with wired line phones with SMS capabilities and services over such wireline devices.

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BRIEF DESCRIPTION OF DRAWINGS

The foregoing summary, as well as the following detailed description of the embodiments, is better understood when read in conjunction with the appended drawings.

30 For the purpose of illustrating the invention, exemplary constructions of the invention are

shown in the drawings. However, the invention is not limited to the specific methods and instrumentalities disclosed herein.

5 **FIGURE 1** illustrates a method for integrating voice content with text content in a wireless text messaging service.

FIGURE 2A illustrates a method for addressing a voice short message service (SMS) message with the methods of single recipient addressing as used by text SMS messaging.

10 **FIGURE 2B** illustrates a method for addressing a voice SMS message with the methods of multiple recipient addressing as used by text SMS messaging.

FIGURE 3A exemplarily illustrates a system for voice short message service messaging.

15 **FIGURE 3B** illustrates a system for addressing a voice SMS message with the methods of addressing as used by text SMS messaging.

20 **FIGURE 4** illustrates a first embodiment of the method for sending a voice SMS message to a single recipient using a client application.

FIGURE 5 illustrates a second embodiment of the method for sending a voice SMS message to a single recipient using a client application.

25 **FIGURE 6** illustrates a third embodiment of the method for sending a voice SMS message to a plurality of recipients using a client application.

FIGURE 7 illustrates a fourth embodiment of the method for sending a voice SMS message to a plurality of recipients, using a client application.

30 **DETAILED DESCRIPTION OF THE INVENTION**

FIGURE 1 illustrates the method for integrating voice content with text content in a wireless text messaging service. In the disclosed method, voice short message service (SMS) messaging is combined with the standard methods of recipient addressing as employed in text SMS messaging.

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A client application **201a** is provided **101** on a user's mobile device **201**. In one embodiment, the client application **201a** resides in a native application environment **304** present on the mobile device **201**. The native application environment **304** is specific to the internal operating system used in the mobile device **201**. The native application is
10 provided to enable access to the internal operating system and to the device functionalities of the mobile device **201**. Examples of internal operating systems used in mobile devices include Symbian of Symbian Ltd., Windows[®] of Microsoft Inc., Linux, Mac OS from Apple Inc., etc., that may support a high level language interface such as Java[™] of Sun Microsystems Inc. The client application **201a** intercepts normal text SMS
15 messaging operations such as addressing, composing the text message, sending the text message, etc.

In another embodiment, the client application **201a** resides on the subscriber identity module (SIM) card of the mobile device **201**. The client application **201a** is
20 deployed on to the mobile device **201** via one of a mobile network, a general packet radio service (GPRS) technology, an SMS, or preloaded on to the SIM of the mobile device **201**.

The user **202** creates **102** a text SMS message employing the user interface **201c**
25 provided on the mobile device **201**. The user **202** then addresses **103** the text message to specific recipients using the standard methods for addressing text SMS message. A recipient's address may be a mobile station integrated services digital network (MSISDN) number or a telephone number. In one embodiment, the recipient's address may be stored in a native address book on the mobile device **201**. In another embodiment,
30 the recipient's address may be stored on the SIM of the mobile device **201**. The user **202**

may also address the text message by manually entering the recipient's address, for example the MSISDN number, on the mobile device **201**.

In order to integrate **104** the text SMS message with voice content, the client application **201a** intercepts **104a** the addressed text SMS message. The client application **201a** then prompts **104b** the user **202** as to whether a voice SMS message needs to be included. If the user **202** prefers not include a voice SMS message, the client application **201a** sends the intercepted text SMS message to the recipient. If the user **202** prefers to additionally add a voice SMS message, the client application **201a** connects the mobile device **201** to a server **314**. The user's voice message is recorded and stored on the server **314**.

A voice message notification is attached to the text SMS message and transmitted **105** to the addressed recipients. The recipients on receiving the text SMS message may use the information in the voice message notification to access and listen to the user's voice message stored on the server **314**.

FIGURE 2A illustrates the method for addressing a voice SMS message with the methods of single recipient addressing as used by text SMS messaging. In order to send an SMS message **203** to a particular recipient, the user **202** may use the recipient address stored in a native address book. The native address book may be stored in a memory storage means **201b** of the mobile device **201** or on the SIM of the mobile device **201**. The native address book stores multiple addresses from which the user **202** may select the recipient's address. Once the text SMS message is addressed to a recipient using a built-in text SMS application **301**, the text SMS message is intercepted **204** by a client application **201a**. The user **202** is then prompted by the client application **201a** to add a voice SMS message **205**. In order to create a voice SMS message; the client application **201a** connects the user's mobile device **201** to a server **314** for recording the user's voice message. The server **314** is further provided with information about the recipient to whom a voice message notification has to be sent. The user's voice message is recorded on the server **314** and a voice message notification is attached to the text SMS message.

The text SMS message along with the voice message notification is then sent to the addressed recipient **206**. In one embodiment, if the text message body is blank, the recipient's information may be sent to the server **314** by transmitting the dial string '*MSISDN' to the server **314** as part of the connection process. If the message body is not blank, it is advantageous to send the recipient information before or as a part of the connection process to the server **314**. For example, the address information could be sent via out-of-band signaling unstructured supplementary service data (USSD) or as a background text SMS message containing the address and text information.

The method of addressing a voice SMS message to a single recipient described above, additionally allows the user **202** to address voice SMS messages by using the recipient's address from the user's call history stored on the mobile device. During voice SMS messaging, the methods of addressing, message creation, message sending, etc., ensures that the user experience remains unchanged from that of text SMS messaging.

FIGURE 2B illustrates a method for addressing a voice SMS message with the methods of multiple recipient addressing as used by text SMS messaging. The client application **201a** may allow the user **202** to send a common voice SMS message to a plurality of recipients. The plurality of recipients may be addressed by common group messages enhanced with voice SMS messaging capability. When the text SMS message is addressed **207** to a plurality of recipients using a built-in text SMS application **301**, the text SMS message is intercepted **208** by a client application **201a**. The user **202** is then prompted to add a voice SMS message **209**. Upon the user's confirmation of including a voice SMS message in the intercepted text SMS message, the user's mobile device **201** is connected to a server **314**. The user's voice message is then recorded on to the server **314** and a voice message notification is attached to the text SMS message. The text SMS message along with the voice message notification is sent to the plurality of recipients **210**. In one embodiment of the disclosed method, a reply option may be provided to each of the plurality of recipients. Upon receiving a voice SMS message, each of the recipients may use voice SMS messaging to reply back to the user. Each recipient may further reply to the user's voice SMS message using a group reply option. In another embodiment, a

reply-all option may be employed in group messages. Using the reply-all option a particular recipient may send a voice SMS message to all the other recipients including the user **202**.

5 The following application scenario expands on the method of addressing a voice SMS message to multiple recipients.

Alice creates a text SMS message and addresses the message to Bob and Mary. Alice uses the addresses of Bob and Mary stored in an address book. The address book
10 may be stored on Alice's mobile device.

The addressed text SMS message is intercepted by the client application **201a** on Alice's mobile device. The client application **201a** prompts Alice on her mobile device display, 'Do you want to add a voice message?' Alice selects the 'Yes' option, using the
15 user interface **201c** on her mobile device. The client application **201a** connects the mobile device to a server **314** through a wireless network interface. Alice speaks on her mobile device, and her voice is recorded at the server **314**. In addition, the addressed text message is sent to the server **314**.

20 The server **314** adds a voice message notification, 'You have received a new Voice message' in the addressed text message and sends the message to Bob and Mary. Bob and Mary, upon receiving the text SMS message may click on a 'Listen to Voice message' link included in the voice message notification. On clicking the link, Bob and Mary may directly listen to Alice's voice message. Alternatively, the recipients may dial
25 the number in the voice message notification. The number may be a short code, such as *0*, providing access to all new messages.

When a voice SMS message is delivered to a plurality of recipients, the recipients may hear one or more of the following: an optional text to speech conversion (TTS) of
30 the text SMS message, for example: "Restaurant Choice may change"; or any additional audio recorded with the message.

FIGURE 3A exemplarily illustrates a system for voice short message service messaging. The system disclosed herein comprises a mobile device **201** and the server **314** connected via a network **313**. The mobile device **201** comprises a client application **201a**, a user interface **201c**, and a memory storage means **201b**. The client application **201a** integrates voice content to a text message created by a user **202** using methods of recipient addressing as used by text short message service messaging. The client application **201a** may be implemented in the application layer, or in the hardware and firmware layer of the mobile device **201** as illustrated in **FIGURE 3B**. The user **202** accesses a list of addresses of recipients stored in the memory storage means **201b** of the mobile device **201**. The user **202** inputs voice messages and text messages through the user interface **201c** on the mobile device **201**. The server **314** stores the voice messages of the user and transmits a voice message notification with a text message to addressed recipients. In an embodiment, the server **314** may comprise one or more servers or hardware devices, each performing one or more functionalities. For example, the server **314** may comprise a first server **314a** and a second server **314b**. The first server **314a** may store the voice SMS messages of the user. The second server **314b** may transmit text SMS messages along with the attached voice message notification to the addressed recipients.

FIGURE 3B illustrates a system for addressing a voice SMS message with the methods of addressing as used by text SMS messaging. The system disclosed comprises three layers. The first layer **312** is an application layer comprising a built-in text SMS application **301**, a Java sandbox **302** and a native application environment **304**. The second layer **307** is an operating system layer. The operating system may be one of Symbian, Windows, Linux, etc. The third layer **308** is a hardware and firmware layer comprising a SIM toolkit environment **310** and a network interface **309**.

A client application **201a** is used for creating and sending a voice SMS message. The client application **201a** may be implemented in the first layer **312**, i.e. the application layer, or in the third layer **308**, i.e. the hardware and firmware layer of the mobile device

201. The client application **201a** implemented on the first layer **312** is specific to the operating system of the mobile device **201**. The internal operating system may support a high level language interface such as Java. The high level language Java client **303** is executed on a Java sandbox **302**. The client application **201a** in the first layer **312** may be one of, but not restricted to, a binary runtime environment for wireless (BREW) client **306**, a Java client **303** or a Symbian client **305** residing in the native application environment **304**. The client application **201a** in the third layer **308** is a SIM toolkit application **311** residing on a SIM toolkit environment **310**. The user **202** creates and addresses a text SMS message using a built-in text SMS application **301** such as an SMS client. The network interface **309** of the mobile device **201** transmits and receives text messages, voice messages, voice calls, etc., over the wireless network **313**. The network interface **309** includes interfaces such as the data interfaces to short message services center and the telephony interfaces for voice connections.

The system disclosed herein uses a server **314** for recording the user's voice message and transmitting the recorded voice message to addressed recipients. The server **314** may comprise a first server **314a** and a second server **314b** as illustrated in **FIGURE 3A**. The first server **314a** stores voice SMS message inputted by the user. The second server **314b** transmits a text SMS message along with an attached voice message notification to the addressed recipients.

FIGURE 4 illustrates a first embodiment of a method for sending a voice SMS message to a single recipient using a client application **201a**. In the example shown in **FIGURE 4**, the operating system is Symbian and the client application **201a** is a native Symbian client **305**. A user **202** addresses a text SMS message **401** using a built-in text SMS application **301** on the mobile device **201**. The text SMS message is addressed to a single recipient using the recipient's address stored in the native address book or other integrated source of address such as the user's call history. The user **202** may also address the text SMS message by manually inputting the recipient's address on the mobile device **201**.

The native Symbian client application **305** intercepts **402** the addressed text SMS message. The user **202** is prompted whether a voice SMS message needs to be included or not, and accordingly makes a call to the server **314** or sends the addressed text SMS message **404**. If the user **202** chooses to include **403** a voice SMS message, the user **202** is connected to a server **314** through the network interface **309** provided as a part of the mobile device's hardware. In order to record the voice message, the user **202** may be connected to the server **314** to record the voice message on the server **314** or the message may be recorded locally by the client and later transmitted to the server **314** in the network **313**. After the recording is complete, a voice message notification is added in the text SMS message and transmitted to the addressed recipient **405a**. The voice message notification may be added to the text SMS message by forwarding the addressed text SMS message to the server **314** via a data transport such as SMS, USSD, or Hypertext Transfer Protocol (HTTP). The voice notification is added to the addressed text SMS message in the server **314**. In another embodiment, the voice message notification may be added to the addressed text SMS message by the client application **201a**. The client application **201a** communicates with the server **314** and receives the information required for the construction of the voice message notification from the server **314**. The client application **201a** based on the received information may add the voice message notification to the text SMS message. Information required to construct the voice message notification optionally includes the notification template (SMS text) and information as discussed in Indian patent application number 4503/CHENP/2006 titled "Methods for Identifying Messages and Communicating with Users of a Multimodal Message Service". The recipient may access the recorded voice message on the server **314** through the information included in the voice message notification. If the user **202** chooses to send a text message without including a voice message, the message is sent to the recipient as a normal text message **405b**.

FIGURE 5 illustrates a second embodiment of the method for sending a voice SMS message to a single recipient, using a client application **201a**. The second embodiment of the disclosed system is functionally similar as that of the first embodiment. However, the client application **201a** is implemented as a SIM toolkit

application **311** in a SIM toolkit environment **310**. A user addresses **401** a text SMS message using a built-in text SMS application **301** on the user's mobile device **201**. The text SMS message is addressed to a single recipient using the recipient's address stored in the native address book. The SIM toolkit application **311** intercepts **402** the addressed text SMS message. The user **202** is prompted whether to include a voice SMS message or not, and accordingly makes a call to the server **314** or sends the addressed text SMS message **404**. If the user **202** chooses to include **403** a voice SMS message, the user **202** is connected to a server **314** through the network interfaces **309** provided as a part of the mobile device's hardware/firmware **308**. The user **202** records the voice message on the server **314**. On completion of recording of the voice message, a voice message notification is added to the text SMS message and transmitted to a recipient **405a**.

The voice message notification may be added to the text SMS message by forwarding the addressed text SMS message to the server **314** via a data transport such as SMS, USSD or HTTP. The voice notification is added to the addressed text SMS message in the server **314**. In another embodiment, the voice message notification may be added to the addressed text SMS message by the client application **201a**. The client application **201a** communicates with the server **314** and receives the information required for the construction of the voice message notification from the server **314**. The client application **201a** based on the received information may add the voice message notification to the text SMS message. The recipient may access the recorded voice message on the server **314** through the information included in the voice message notification. If the user **202** chooses to send a text message without including a voice message, a text message is sent to the recipient as a normal text message **405b**. The recipient is provided with an option of replying to the received voice SMS message.

FIGURE 6 illustrates a third embodiment of the method for sending a voice SMS message to a plurality of recipients, using a client application **201a**. Exemplarily, the client application **201a** is the native Symbian application residing in the native application environment **304**. A text message is sent **401** by the user **202** and addressed to a plurality of recipients using a built-in text SMS application **301** residing on the user's

mobile device **201**. The user **202** addresses the text SMS message to the plurality of recipients by selecting the recipients' addresses from the native address book stored on the mobile device **201** or on the SIM of the mobile device **201**, and other integrated source of addresses such as the user's call history.

5

The addressed text message is intercepted **402** by the Symbian application residing on the native application environment **304**. The user **202** is prompted whether a voice SMS message needs to be included or not, and accordingly makes a call to the server **314** or sends the addressed text SMS message **404**. If the user **202** chooses not to include the voice message, the text SMS is sent to each of the plurality of recipients. If the user **202** chooses to add **403** a voice SMS message, the user **202** is connected to a server **314** through the network interfaces **309** provided as a part of the mobile device's hardware. In one embodiment the user **202** records the voice message on to a server **314** through a direct access (DA) link **405c** or by using a direct access number to connect to the server **314**. DA links / numbers are provisioned to the client application **201a** over the air (OTA), for example via SMS, during initialization phase. Over the Air (OTA) provisioning allows the delivery of the DA links/numbers that the client application **201a** will use when communicating message sequence information to the server **314**. In another embodiment an unstructured supplementary service data (USSD) channel may be employed to activate a DA link to record the voice message. The DA and USSD are used to communicate message sequence information to associate the voice call with the corresponding recorded voice message. The message sequence information could take the form of a unique number generated by the client application **201a**. The generated unique number is communicated to the server **314** in the network **313** to enable the network server **314** to associate an incoming call for messages being sent at nearly identical times and/or to accommodate delay and altered order in the arrival of SMS text messages at the server **314** in the network **313**. After the user's voice message is recorded, a voice message notification is added to the text SMS message. The text SMS message along with the voice message notification is sent to each of the plurality of recipients.

30

Upon receiving a voice SMS message, each of the recipients may use voice SMS messaging to reply back to the user **202**. In another embodiment, a reply-all option may be employed in group messages. Using the reply-all option a particular recipient may send a voice SMS message to all the other recipients including the user **202**.

5

FIGURE 7 illustrates a fourth embodiment of the method for sending a voice SMS message to a plurality of recipients, using a client application **201a**. In the fourth embodiment, the client application **201a** is the SIM toolkit application **311** residing in the SIM toolkit environment **310**. A user **202** addresses **401** a text SMS message to a plurality of recipients, using a built-in text SMS application **301** residing on the user's mobile device **201**. The user **202** addresses the text SMS message to the plurality of recipients by selecting the recipients' addresses from the native address book of the mobile device **201**, from the SIM present on the mobile device **201**, or from other integrated sources of addresses such as call history.

10

15

The addressed text SMS message is intercepted **402** by the SIM toolkit application **311**. The user **202** is prompted whether a voice SMS message needs to be included or not, and accordingly makes a call to the server **314** or sends the addressed text SMS message **404**. If the user **202** chooses not to include the voice message, the text SMS message is directly sent to each of the plurality of recipients. If the user **202** chooses to add **403** a voice SMS message, the user **202** is connected to a server **314** through the network interfaces **309** provided as a part of the mobile device's hardware. In one embodiment the user **202** records the voice message on to the server **314** through a direct access (DA) link **405c** or by using a direct access number to connect to the server **314**. DA links / numbers are provisioned to the client application **201a** over the air (OTA), for example via SMS, during initialization phase. Over the Air (OTA) provisioning allows the delivery of the DA links/numbers that the client application **201a** will use when communicating message sequence information to the server **314**. In another embodiment an unstructured supplementary service data (USSD) channel may be employed to activate a DA link to record the voice message. The DA and USSD are used to communicate message sequence information to associate the voice call with the corresponding recorded

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voice message. The addressed text SMS message is attached with a voice message notification. The recipients may use the voice message notification to access the voice message recorded on the server **314**. The text SMS message along with the notification is sent to each of the plurality of recipients.

5

It will be readily apparent to those skilled in the art that the various methods and algorithms described herein may be implemented in a computer readable medium, e.g., appropriately programmed for general purpose computers and computing devices. Typically a processor, for e.g., one or more microprocessors will receive instructions from a memory or like device, and execute those instructions, thereby performing one or more processes defined by those instructions. Further, programs that implement such methods and algorithms may be stored and transmitted using a variety of media, for e.g., computer readable media in a number of manners. In one embodiment, hard-wired circuitry or custom hardware may be used in place of, or in combination with, software instructions for implementation of the processes of various embodiments. Thus, embodiments are not limited to any specific combination of hardware and software. A "processor" means any one or more microprocessors, Central Processing Unit (CPU) devices, computing devices, microcontrollers, digital signal processors, or like devices. The term "computer-readable medium" refers to any medium that participates in providing data, for example instructions that may be read by a computer, a processor or a like device. Such a medium may take many forms, including but not limited to, non-volatile media, volatile media, and transmission media. Non-volatile media include, for example, optical or magnetic disks and other persistent memory volatile media include Dynamic Random Access Memory (DRAM), which typically constitutes the main memory. Transmission media include coaxial cables, copper wire and fiber optics, including the wires that comprise a system bus coupled to the processor. Transmission media may include or convey acoustic waves, light waves and electromagnetic emissions, such as those generated during Radio Frequency (RF) and Infrared (IR) data communications. Common forms of computer-readable media include, for example, a floppy disk, a flexible disk, hard disk, magnetic tape, any other magnetic medium, a Compact Disc-Read Only Memory (CD-ROM), Digital Versatile Disc (DVD), any other

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optical medium, punch cards, paper tape, any other physical medium with patterns of holes, a Random Access Memory (RAM), a Programmable Read Only Memory (PROM), an Erasable Programmable Read Only Memory (EPROM), an Electrically Erasable Programmable Read Only Memory (EEPROM), a flash memory, any other memory chip or cartridge, a carrier wave as described hereinafter, or any other medium from which a computer can read. In general, the computer-readable programs may be implemented in any programming language. Some examples of languages that can be used include C, C++, C#, or JAVA. The software programs may be stored on or in one or more mediums as an object code. A computer program product, comprising computer executable instructions embodied in a computer-readable medium, comprises computer parsable codes for the implementation of the processes of various embodiments.

The present invention can be configured to work in a network environment including a computer that is in communication, via a communications network, with one or more devices. The computer may communicate with the devices directly or indirectly, via a wired or wireless medium such as the Internet, Local Area Network (LAN), Wide Area Network (WAN) or Ethernet, Token Ring, or via any appropriate communications means or combination of communications means. Each of the devices may comprise computers, such as those based on the Intel[®] processors, AMD[®] processors, UltraSPARC[®] processors, etc. that are adapted to communicate with the computer. Any number and type of machines may be in communication with the computer.

The foregoing examples have been provided merely for the purpose of explanation and are in no way to be construed as limiting of the present method and system disclosed herein. While the invention has been described with reference to various embodiments, it is understood that the words, which have been used herein, are words of description and illustration, rather than words of limitations. Further, although the invention has been described herein with reference to particular means, materials and embodiments, the invention is not intended to be limited to the particulars disclosed herein; rather, the invention extends to all functionally equivalent structures, methods and uses, such as are within the scope of the appended claims. Those skilled in the art, having

the benefit of the teachings of this specification, may effect numerous modifications thereto and changes may be made without departing from the scope and spirit of the invention in its aspects.

1 **CLAIMS**

2
3 I claim:

4
5 1. A method for voice short message service messaging, comprising the steps of:

6
7 providing a client application on a mobile device;

8
9 creating a text message by a user on said mobile device;

10
11 addressing said text message to a recipient;

12
13 integrating voice content to the text message using methods of recipient
14 addressing as used by text short message service messaging, comprising the steps
15 of:

16
17 intercepting said addressed text message by said client application;

18
19 prompting said user to include a voice message with the addressed text
20 message; and

21
22 transmitting a voice message notification with the addressed text message to said
23 recipient.

24
25 2. The method of claim 1, wherein said step of addressing comprises obtaining an address
26 of the recipient from an address book stored on the mobile device.

27
28 3. The method of claim 2, wherein said address is stored in a memory storage means of
29 the mobile device.

1 4. The method of claim 2, wherein said address is stored in a subscriber identity module
2 of the mobile device.

3
4 5. The method of claim 1, wherein said step of addressing comprises obtaining addresses
5 of recipients from a call history stored on the mobile device.

6
7 6. The method of claim 1, wherein said step of transmitting said voice message
8 notification further comprises the steps of:

9
10 forwarding the addressed text message to a server;

11
12 attaching the voice message notification to the addressed text message in said
13 server; and

14
15 sending the addressed text message with said attached voice message notification
16 to the recipient.

17
18 7. The method of claim 1, wherein said step of transmitting said voice message
19 notification further comprises the steps of:

20
21 receiving notification construction information by the client application from a
22 server;

23
24 attaching the voice message notification to the addressed text message in the
25 client application using said notification construction information; and

26
27 sending the addressed text message with said attached voice message notification
28 to the recipient.

29
30 8. The method of claim 1, wherein said step of integrating voice content to the text
31 message further comprises a step of recording said voice message on a server.

1
2 9. The method of claim 1, wherein said voice message notification is transmitted to a
3 plurality of recipients.
4

5 10. The method of claim 9, wherein said plurality of recipients are provided with a group
6 reply option to each of the plurality of recipients upon receiving the voice message
7 notification and the text message.
8

9 11. A system for voice short message service messaging, comprising:
10

11 a client application on a mobile device, wherein said client application integrates
12 voice content to a text message created by a user using methods of recipient
13 addressing as used by text short message service messaging;
14

15 a memory storage means on said mobile device for storing a list of addresses of
16 recipients;
17

18 a user interface on the mobile device for said user to input voice messages and
19 text messages; and
20

21 a server for remotely storing said voice messages of the user and for transmitting
22 a voice message notification with an addressed text message to said recipients.
23

24 12. The system of claim 11, wherein said server comprises a first server for storing the
25 voice messages of the user.
26

27 13. The system of claim 11, wherein said server comprises a second server for
28 transmitting said voice message notification with said addressed text message to the
29 recipients.
30

1 14. The system of claim 11, wherein the client application transmits one of a text
2 message, a voice message, and a combination thereof.

3
4 15. The system of claim 11, wherein the client application is provided on an operating
5 system of the mobile device.

6
7 16. The system of claim 11, wherein the client application is provided on a subscriber
8 identity module of the mobile device.

9
10 17. A computer program product comprising computer executable instructions embodied
11 in a computer-readable medium, said computer program product including:

12
13 a first computer parsable program code for creating a text message by a user on a
14 mobile device;

15
16 a second computer parsable program code for addressing said text message to a
17 recipient using an address stored on said mobile device;

18
19 a third computer parsable program code for integrating voice content to the text
20 message using methods of recipient addressing as used by text short message
21 service messaging, further comprising:

22
23 a fourth computer parsable program code for intercepting said addressed
24 text message;

25
26 a fifth computer parsable program code for prompting said user to include
27 a voice message with the addressed text message; and

28
29 a sixth computer parsable program code for transmitting a voice message
30 notification with the addressed text message to said recipient.

Filing Date: 03/27/08

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number

12/056,300**APPLICATION AS FILED – PART I**

(Column 1) (Column 2)

FOR	NUMBER FILED	NUMBER EXTRA
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A
TOTAL CLAIMS (37 CFR 1.16(i))	17	minus 20 = *
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3	minus 3 = *
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR	
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))		

* If the difference in column 1 is less than zero, enter "0" in column 2.

SMALL ENTITY

RATE (\$)	FEE (\$)
N/A	75
N/A	255
N/A	105
X 25=	
X 105=	
N/A	
TOTAL	435

OTHER THAN SMALL ENTITY

RATE (\$)	FEE (\$)
N/A	
N/A	
N/A	
X 50=	
X 210=	
N/A	
TOTAL	

APPLICATION AS AMENDED – PART II

(Column 1) (Column 2) (Column 3)

AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.16(i))	*	Minus **	=
Independent (37 CFR 1.16(h))	*	Minus ***	=
Application Size Fee (37 CFR 1.16(s))			
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))			

SMALL ENTITY

RATE (\$)	ADDITIONAL FEE (\$)
X =	
X =	
N/A	
TOTAL	
ADD'T FEE	

OTHER THAN SMALL ENTITY

RATE (\$)	ADDITIONAL FEE (\$)
X =	
X =	
N/A	
TOTAL	
ADD'T FEE	

(Column 1) (Column 2) (Column 3)

AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total (37 CFR 1.16(i))	*	Minus **	=
Independent (37 CFR 1.16(h))	*	Minus ***	=
Application Size Fee (37 CFR 1.16(s))			
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))			

RATE (\$)	ADDITIONAL FEE (\$)
X =	
X =	
N/A	
TOTAL	
ADD'T FEE	

RATE (\$)	ADDITIONAL FEE (\$)
X =	
X =	
N/A	
TOTAL	
ADD'T FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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1, 11, 17.

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: _____

Application No./Patent No.: _____ Filed/Issue Date: _____

Entitled: Addressing Voice SMS Messages

Kirusa, Inc. _____, a Incorporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
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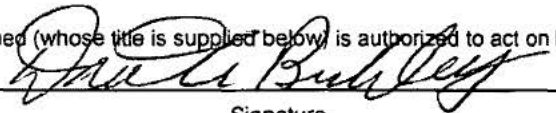
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.



Signature

June 4, 2007

Date

David A Berkley

Printed or Typed Name

Telephone Number

Chief Scientist, Kirusa Inc.

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☒ Declaration Submitted With Initial Filing **OR** ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	KIRU-02-US
First Named Inventor	Ewald C. Andari
<i>COMPLETE IF KNOWN</i>	
Application Number	
Filing Date	
Art Unit	
Examiner Name	

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Addressing Voice SMS Messages

(Title of the Invention)

the specification of which

☐ is attached hereto**OR**☒ was filed on (MM/DD/YYYY) as United States Application Number or PCT InternationalApplication Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
871/CHE/2007 (Provisional Application)	INDIA	04/25/2007	☐	☐	☒
871/CHE/2007 (Non-provisional application)	INDIA	01/24/2008	☐	☐	☒
			☐	☐	☐
			☐	☐	☐

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

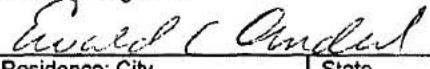
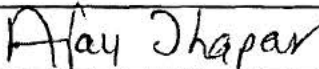
[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☐ The address associated with Customer Number: 		OR ☒ Correspondence address below	
Name Ashok Tankha, Esq.			
Address 36 Greenleigh Drive			
City Sewell		State NJ	ZIP 08080
Country USA	Telephone 856-266-5145	Fax 856-374-0246	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
NAME OF SOLE OR FIRST INVENTOR:		☐ A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Ewald C.		Family Name or Surname Anderl	
Inventor's Signature 			Date JUNE 4, 2007
Residence: City Middletown	State NJ	Country USA	Citizenship USA
Mailing Address 44 Fox Hill Road, Middletown, NJ 07748, USA			
City Middletown	State NJ	Zip 07748	Country USA
NAME OF SECOND INVENTOR:		☐ A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Ajay Kumar		Family Name or Surname Thapar	
Inventor's Signature 			Date 21 st JUNE 2007
Residence: City Bangalore	State Karnataka	Country India	Citizenship India
Mailing Address #35, Mirage Point, Above Fab Mall, 80 Feet Road, Koramangala, 1st Block, Bangalore - 560 095.			
City Bangalore	State Karnataka	Zip 560095	Country India
☒ Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.			

DECLARATION**ADDITIONAL INVENTOR(S)**

Supplemental Sheet

Page 1 of 1

Name of Additional Joint Inventor, if any:		☐ A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Chinna Marudhu Pandian		Chockalingam	
Inventor's Signature <i>C. Chedpat</i>		Date <i>24th June 2007</i>	
Bangalore Residence: City	Karnataka State	India Country	India Citizenship
#35, Mirage Point, Above Fab Mall, 80 Feet Road, Koramangala, 1st Block, Bangalore - 560 095.			
Mailing Address			
Bangalore City	Karnataka State	560071 Zip	India Country
Name of Additional Joint Inventor, if any:		☐ A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
City	State	Zip	Country
Name of Additional Joint Inventor, if any:		☐ A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
City	State	Zip	Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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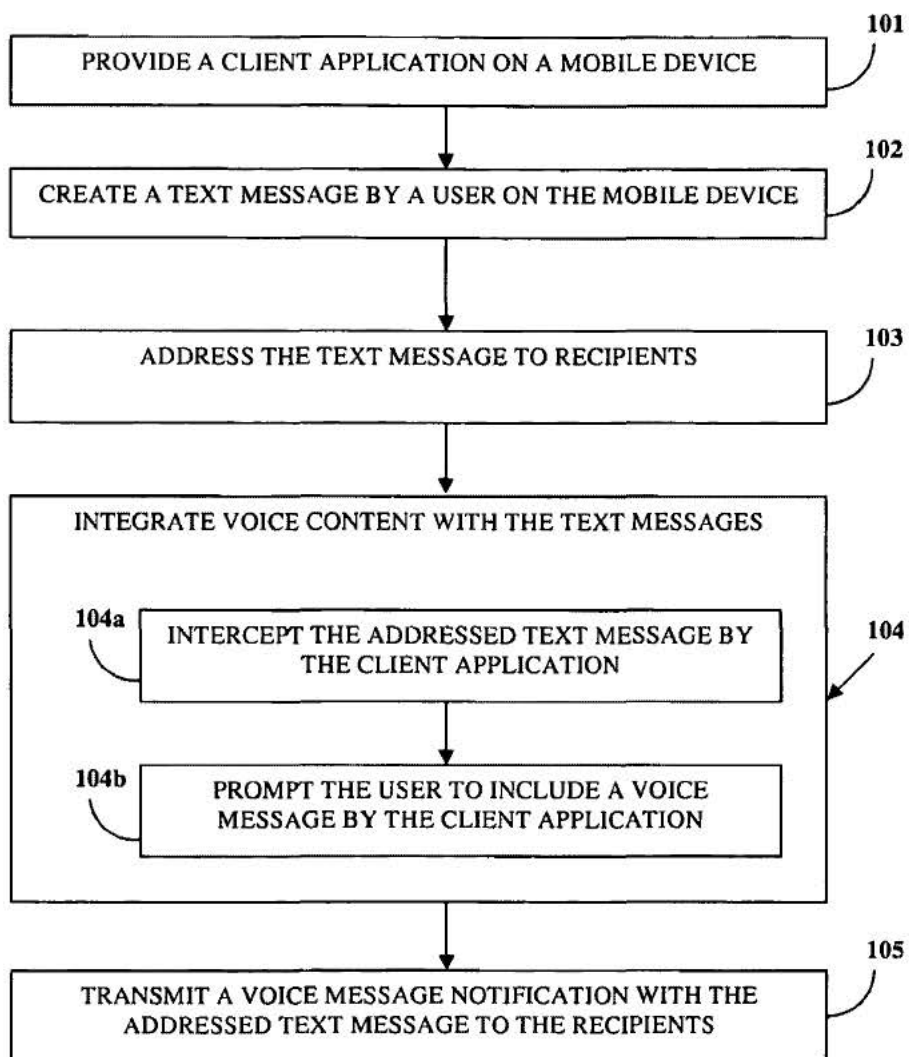


FIGURE 1

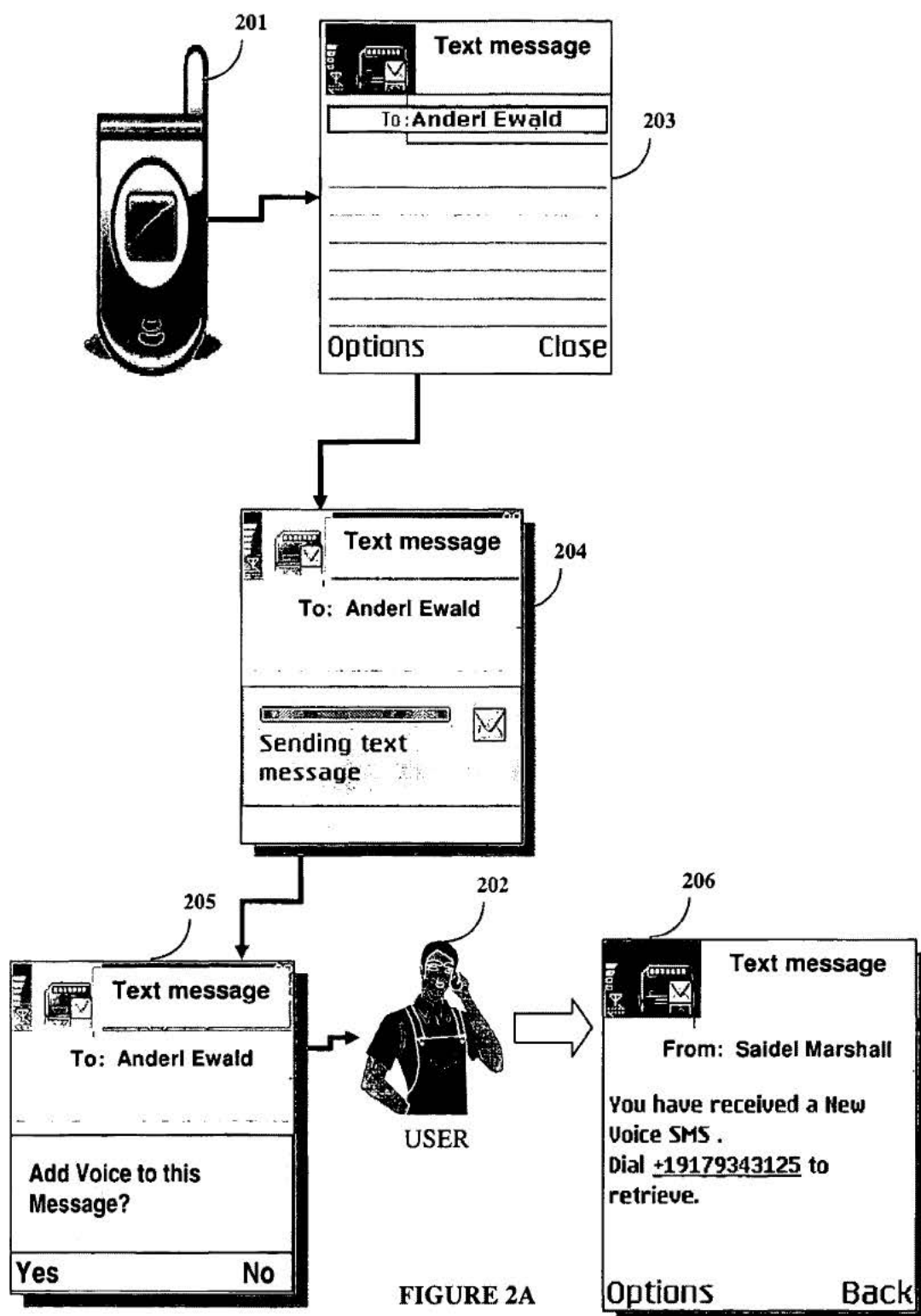


FIGURE 2A

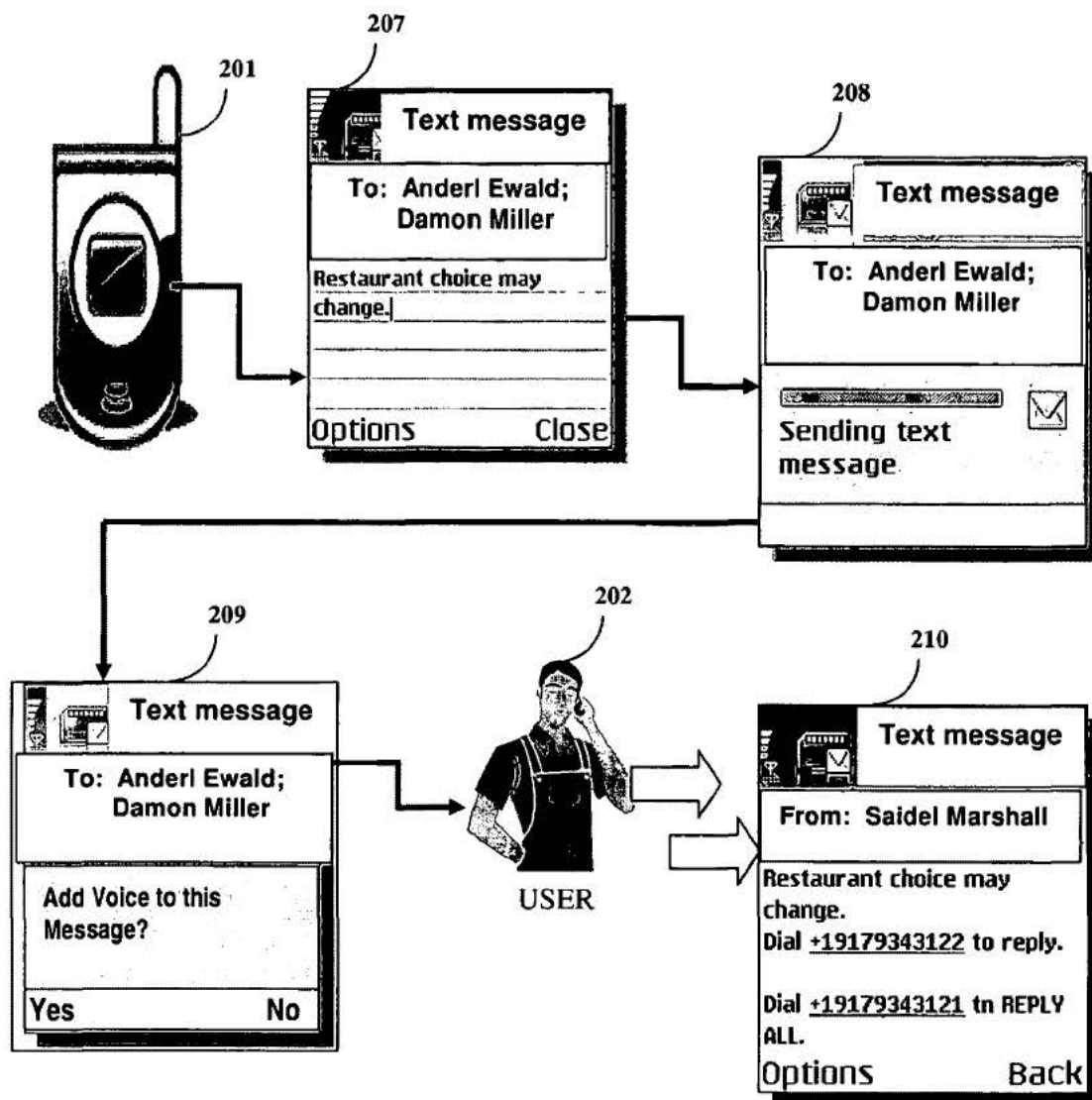


FIGURE 2B

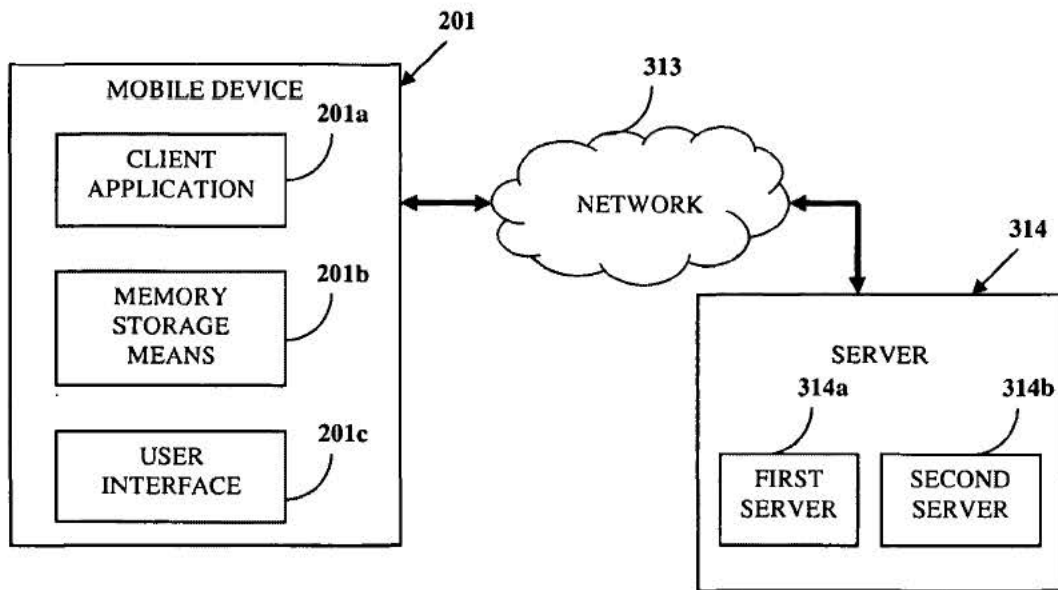


FIGURE 3A

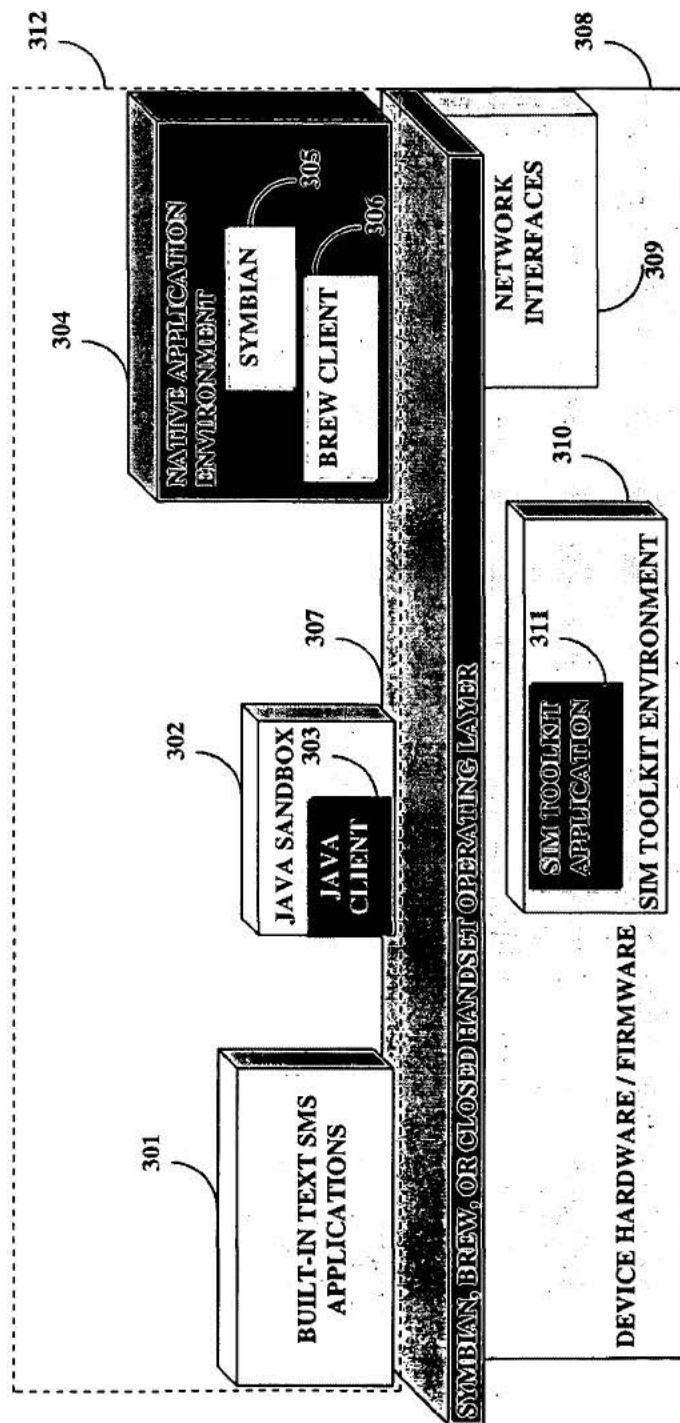


FIGURE 3B

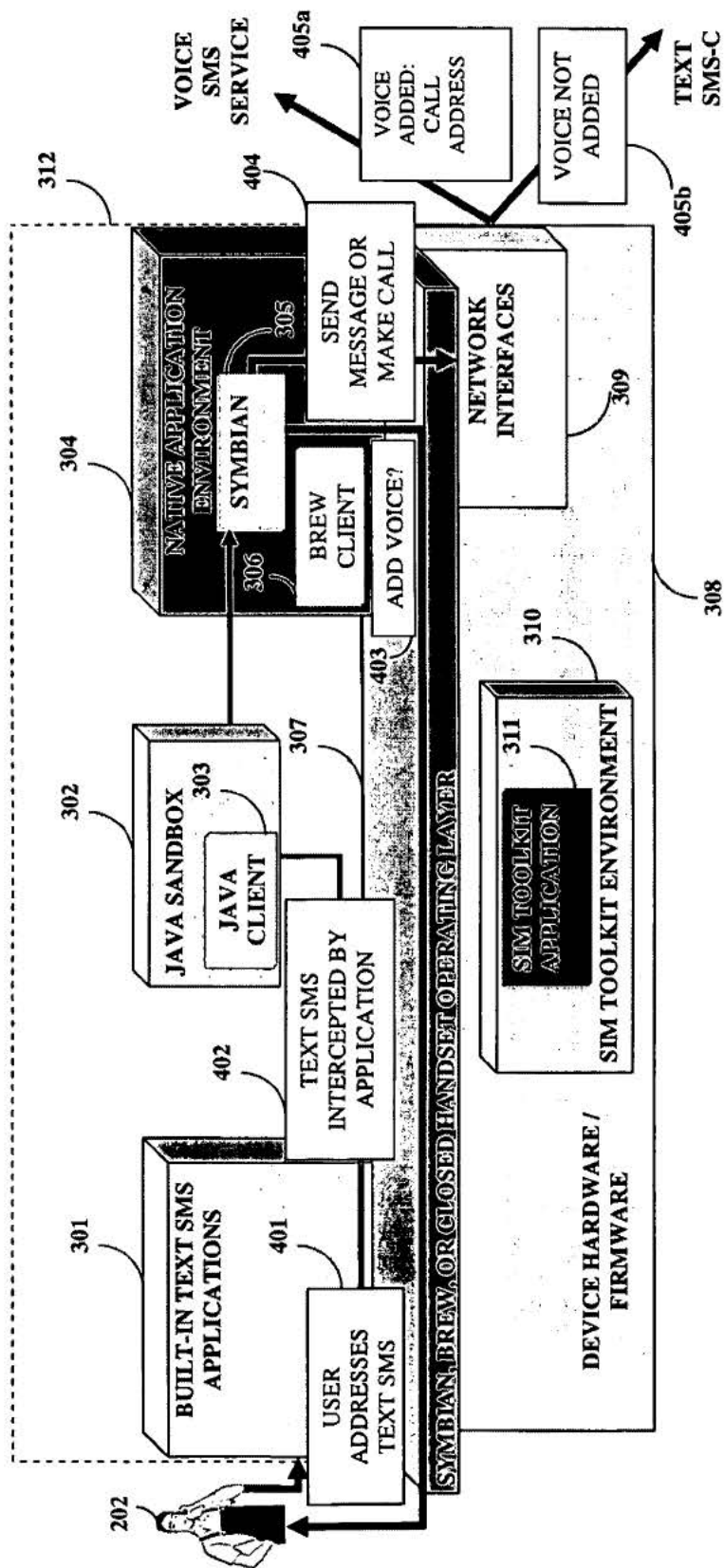


FIGURE 4

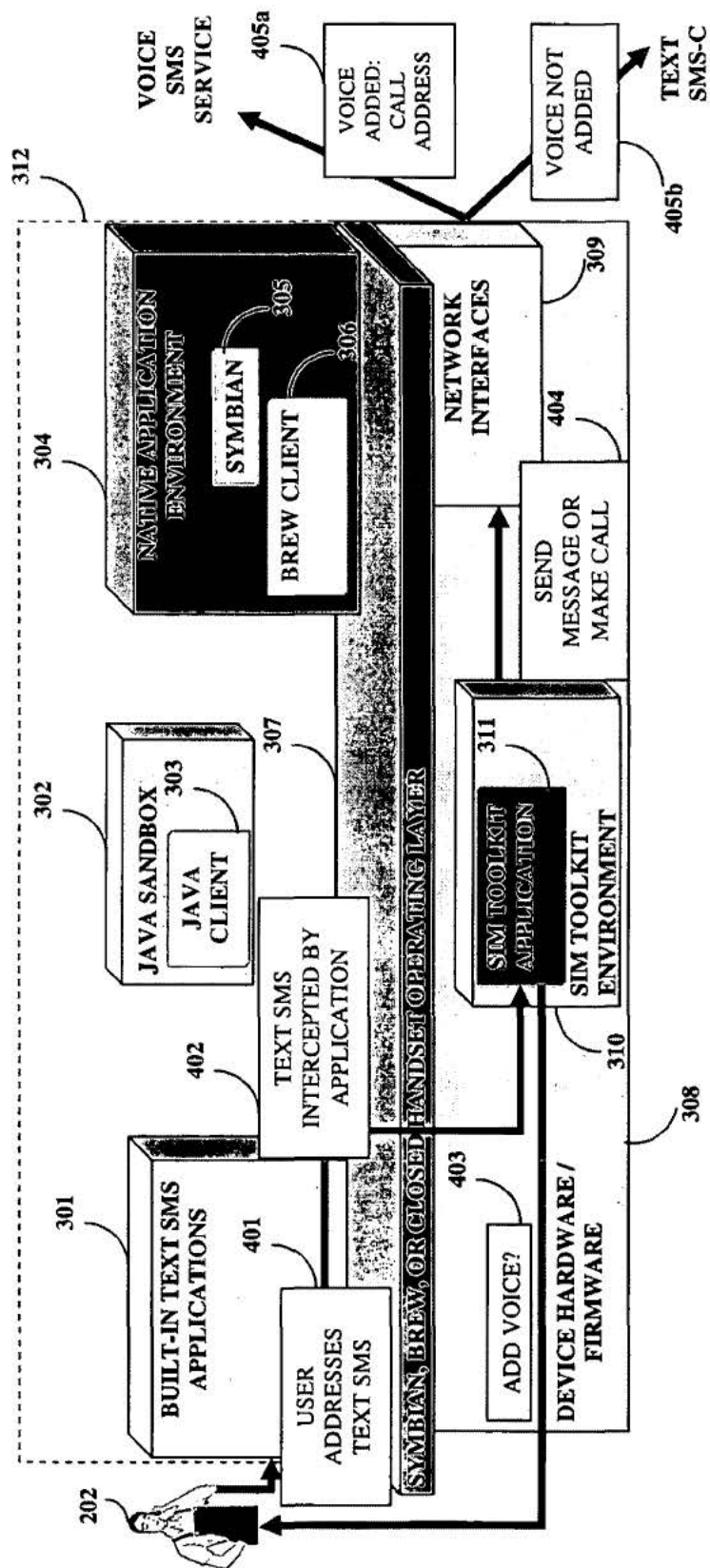


FIGURE 5

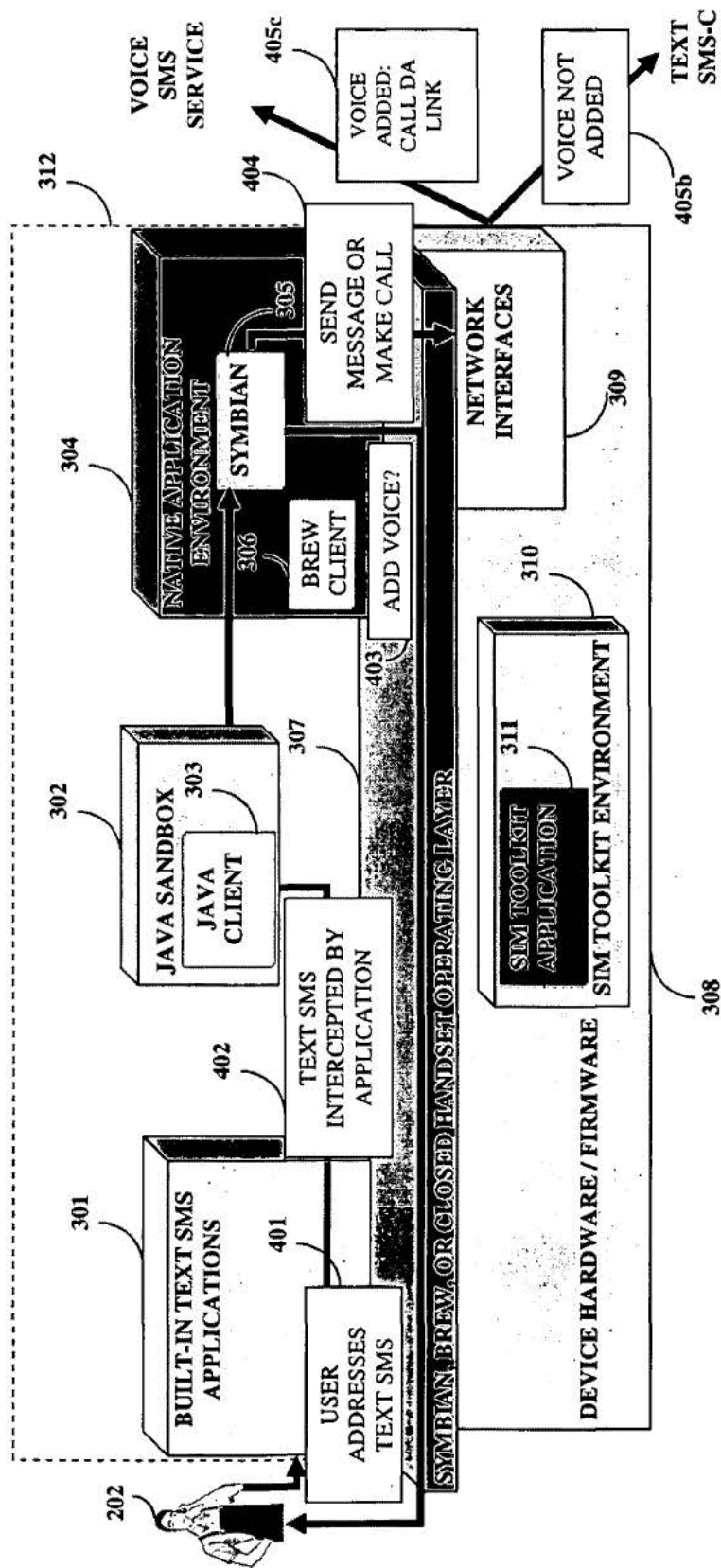


FIGURE 6

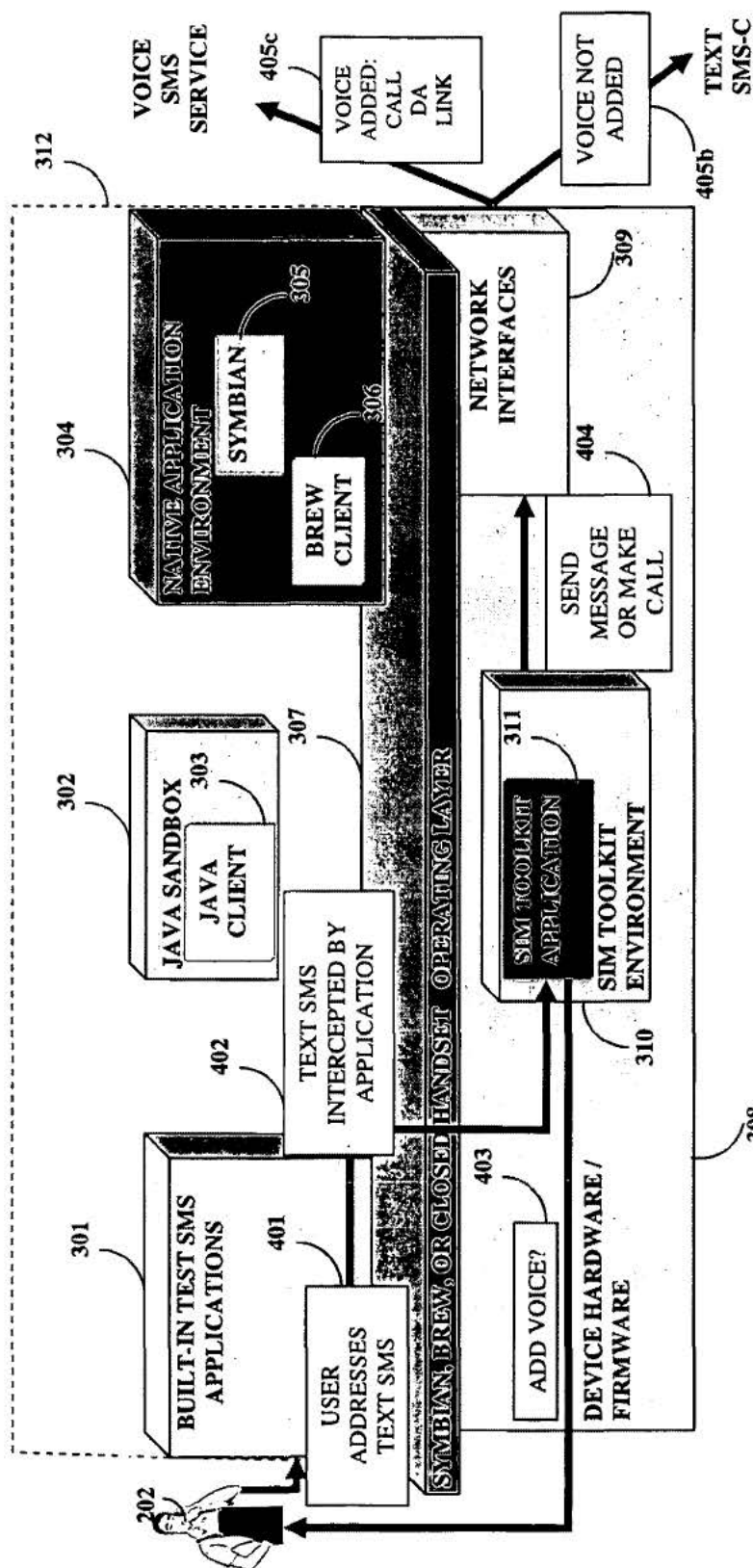


FIGURE 7

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POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM

Application Number	
Filing Date	
First Named Inventor	Ewald C. Anderl
Title	Addressing Voice SMS Messages
Art Unit	
Examiner Name	
Attorney Docket Number	KIRU-02-US

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☐ Practitioners associated with the Customer Number:

OR

☒ Practitioner(s) named below:

Name	Registration Number
Ashok Tankha	33802

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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☒ Firm or Individual Name	Ashok Tankha, Esq.				
Address	36 Greenleigh Drive				
City	Sewell	State	NJ	Zip	08080
Country	USA				
Telephone	856-266-5145	Fax	856-374-0246		

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Signature		Date	June 4, 2007
Name	David A Berkley	Telephone	
Title and Company	Chief Scientist, Kirusa Inc.		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ *Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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APPLICATION NUMBER	FILING OF 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY DOCKET NO	TOT CLAIMS	IND CLAIMS
12/056,300	03/27/2008	2617	435	KIRU-02-US	17	3

CONFIRMATION NO. 9331

FILING RECEIPT



0000000029353387

Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

Date Mailed: 04/11/2008

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Applicant(s)

Ewald C. Anderl, Middletown, NJ;
Ajay Kumar Thapar, Bangalore, INDIA;
Chinna Marudhu Pandian Chockalingam, Bangalore, INDIA;

Assignment For Published Patent Application

Kirusa Inc.

Power of Attorney:

Ashok Tankha--33802

Domestic Priority data as claimed by applicant

Foreign Applications

INDIA 871/CHE/2007 04/25/2007

If Required, Foreign Filing License Granted: 04/10/2008

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 12/056,300**

Projected Publication Date: To Be Determined - pending completion of Corrected Papers

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

Addressing Voice SMS Messages

Preliminary Class

455

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Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

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Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

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The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/056,300	03/27/2008	Ewald C. Anderl	KIRU-02-US

CONFIRMATION NO. 9331

FORMALITIES LETTER



0C00000029353388

Date Mailed: 04/11/2008

Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Filing Date Granted

An application number and filing date have been accorded to this application. The application is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given TWO MONTHS from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121(d) are required. The drawings submitted are not acceptable because:
 - The drawings submitted to the Office are not electronically reproducible because portions of figures 5-9 are missing and/or blurry.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

Replies should be mailed to:

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Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

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<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

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/mduong/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:
Application No.: 12/056,300
Applicant: Ewald C.Anderl
Filed: 03/27/2008
Title: Addressing Voice SMS Messages

Examiner:
Art Unit:
Atty. Docket No: KIRU-02-US

Response To Notice To File Corrected Application Papers

Sir:

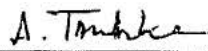
In response to the Notice To File Corrected Application Papers dated 04/11/2008, Confirmation No. 9331, attached please find the replacement drawings for figures 5-9.

Attachments:

1. Replacement drawings for figures 5-9.

Respectfully submitted,

Date: June 11, 2008



Ashok Tankha, Esq.
Attorney For Applicant
Reg. No. 33,802
Phone: 856-266-5145

Correspondence Address
36 Greenleigh Drive
Sewell, NJ 08080
Fax: 856-374-0246

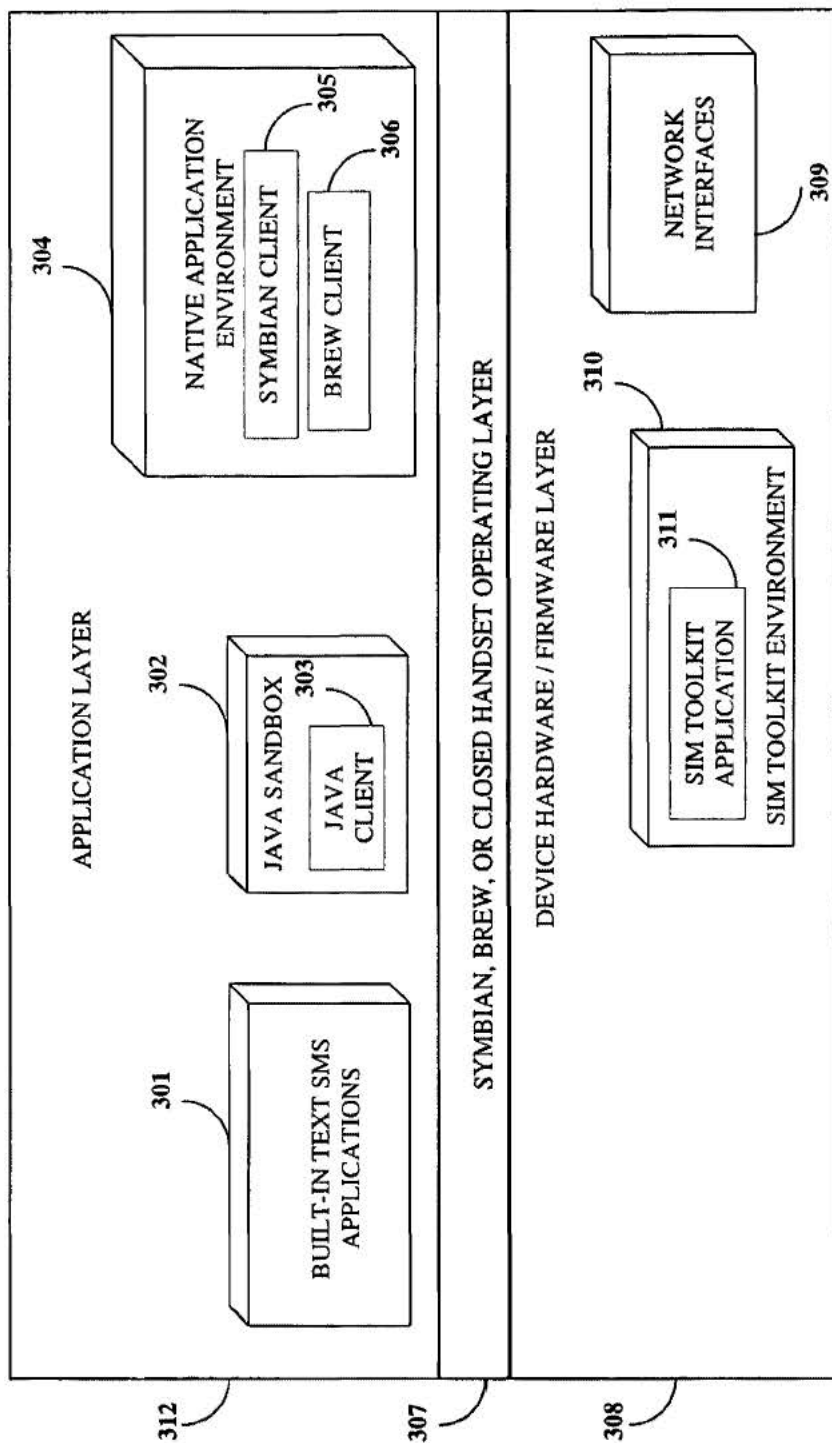


FIGURE 3B

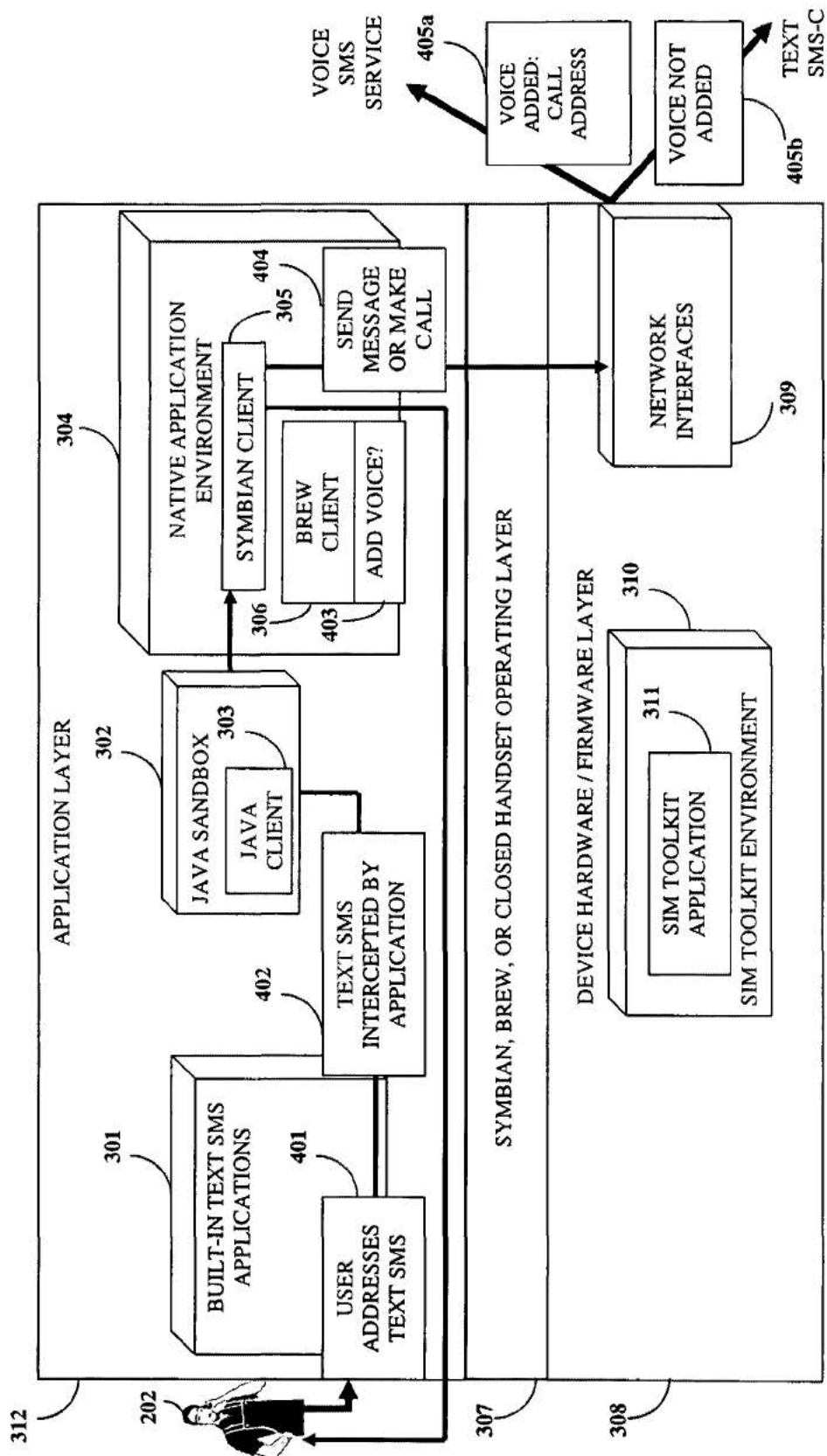


FIGURE 4

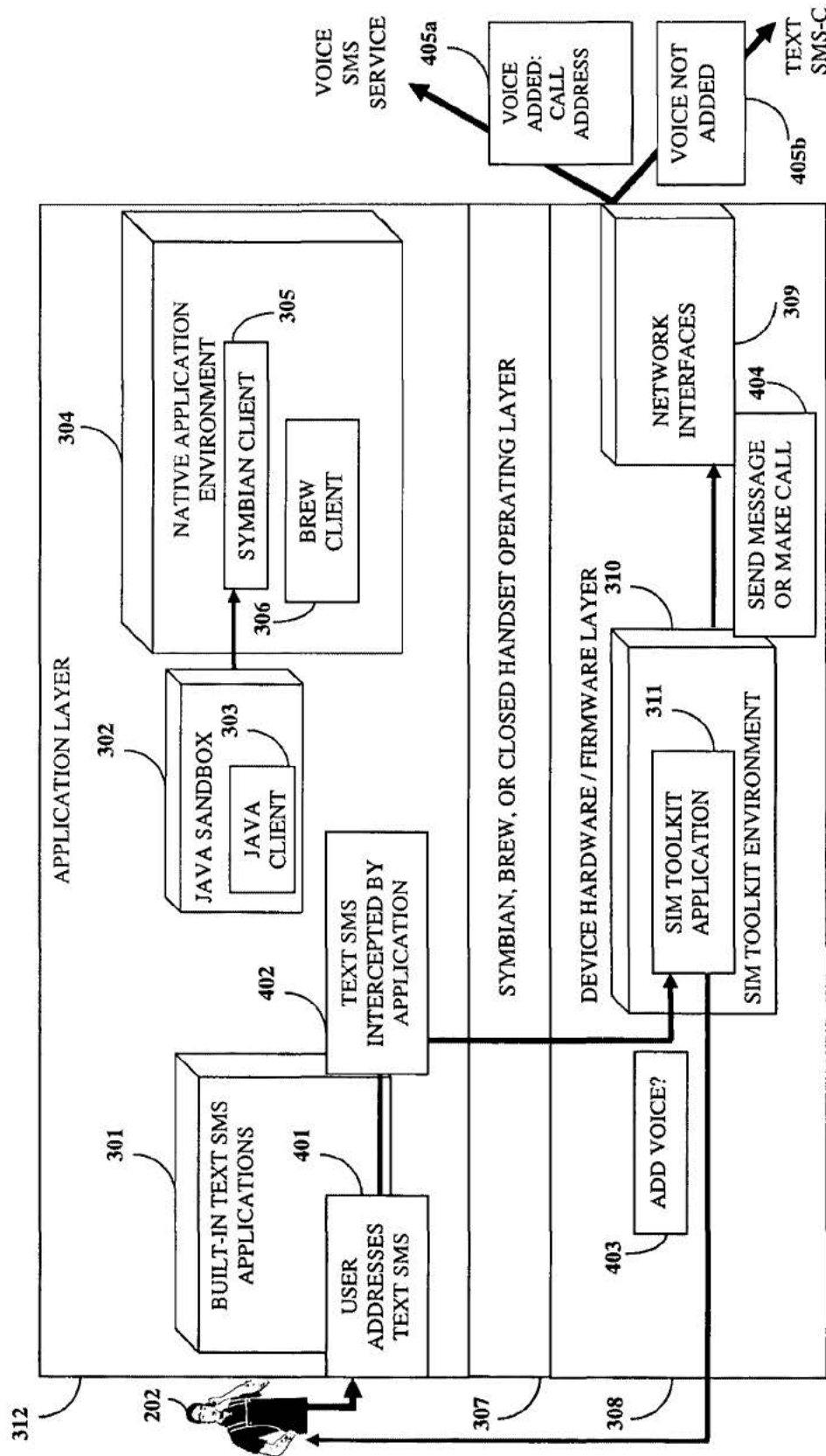


FIGURE 5

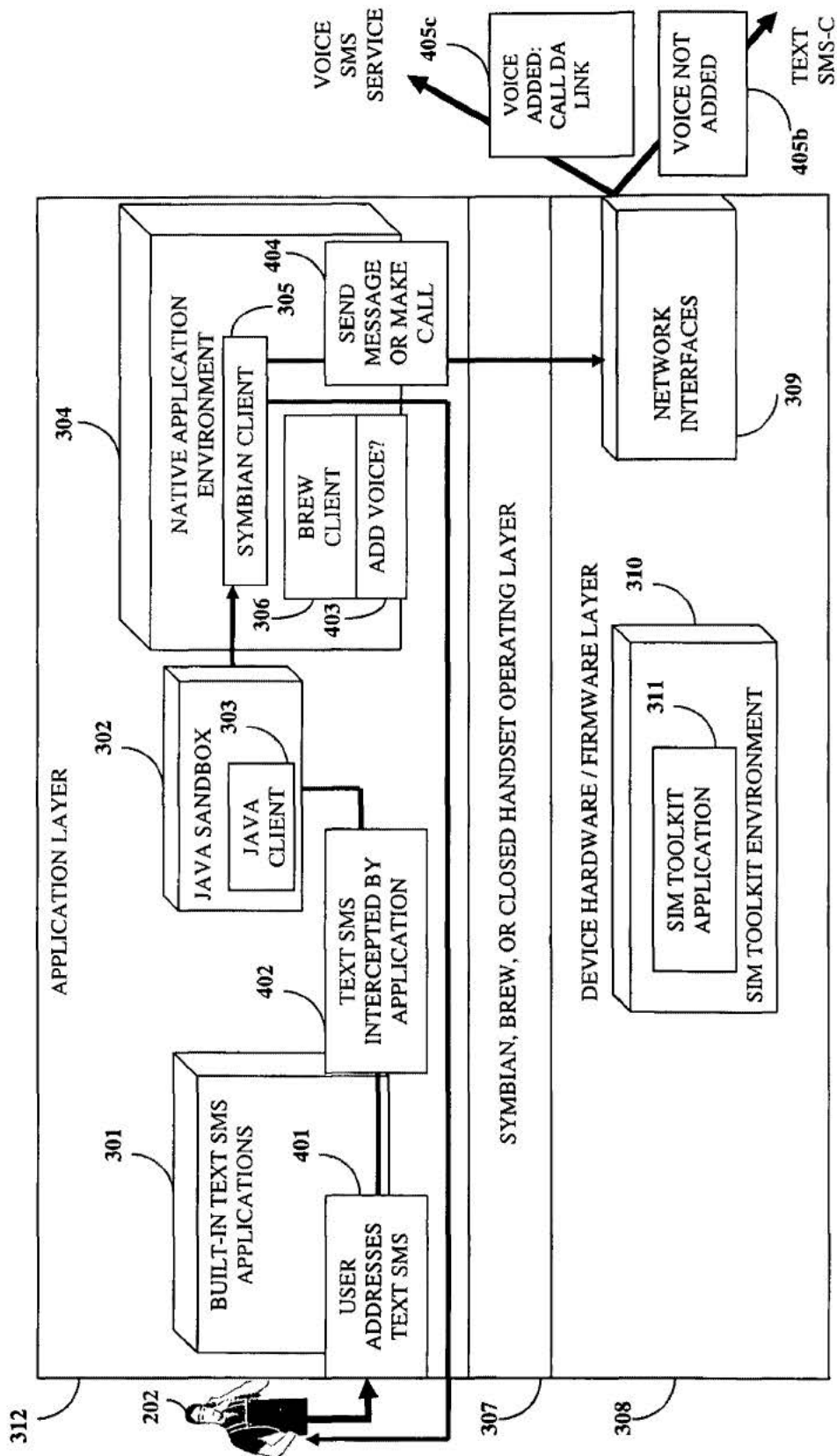


FIGURE 6

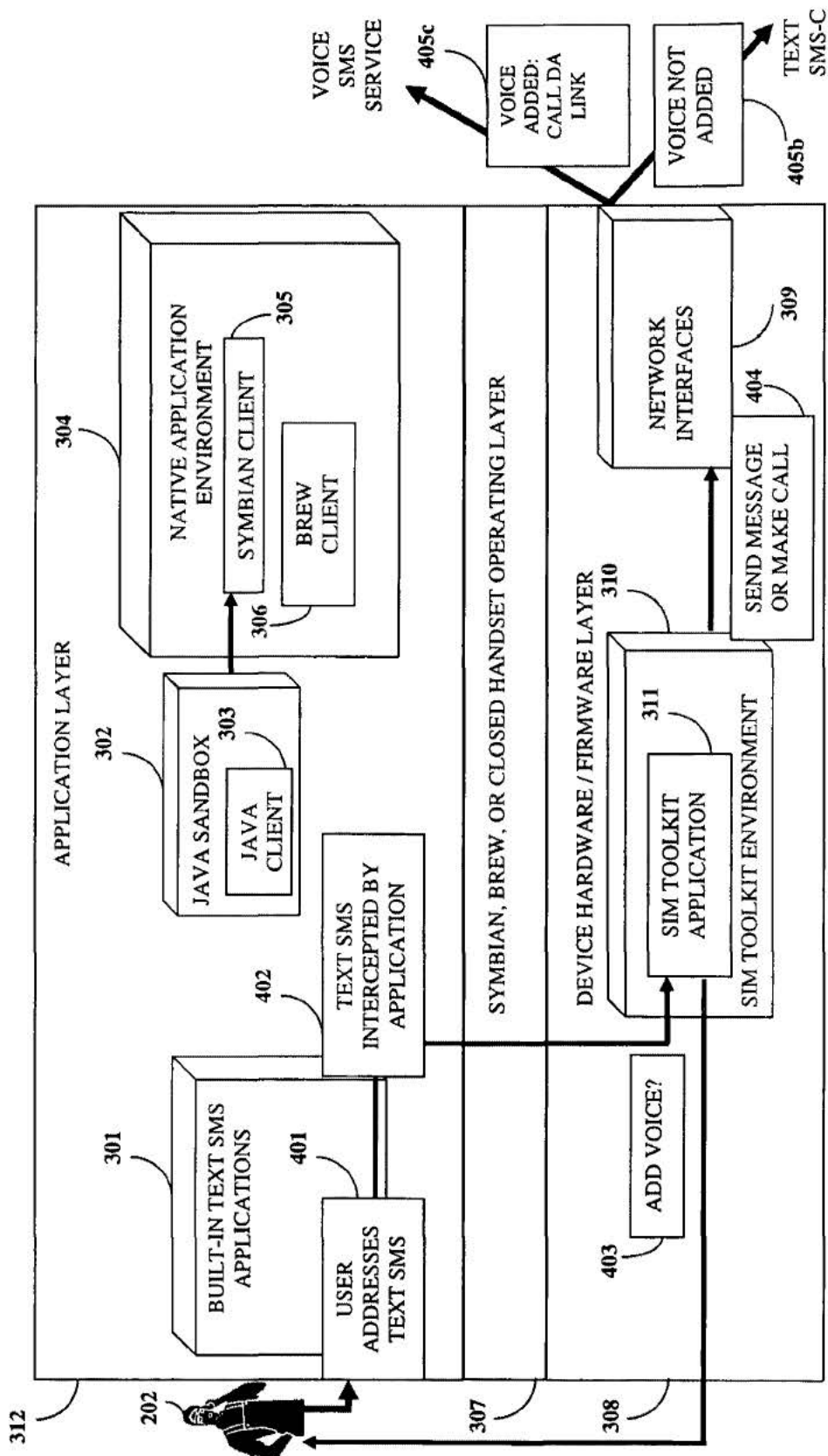


FIGURE 7

Electronic Acknowledgement Receipt

EFS ID:	3436349
Application Number:	12056300
International Application Number:	
Confirmation Number:	9331
Title of Invention:	Addressing Voice SMS Messages
First Named Inventor/Applicant Name:	Ewald C. Anderl
Correspondence Address:	Ashok Tankha - 36 Greenleigh Drive - Sewell NJ 08080 US 856-266-5145 ash@ipprocure.com
Filer:	Ashok Tankha
Filer Authorized By:	
Attorney Docket Number:	KIRU-02-US
Receipt Date:	11-JUN-2008
Filing Date:	27-MAR-2008
Time Stamp:	11:24:18
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Drawings-only black and white line drawings	KIRU-02-US_corrected_drwg_11_June_2008.pdf	49261	no	5
			bbd1cd25c829850c15c4c82a7bde74a7a7a3a0cc		
Warnings:					
Information:					
2	Applicant Response to Pre-Exam Formalities Notice	KIRU-02-US_Response_Notice_to_file_corrected_application.pdf	218200	no	1
			28103782a09139d8c40a361d66a456f787dceb13		
Warnings:					
Information:					
Total Files Size (in bytes):			267461		
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APPLICATION NUMBER	FILING OF 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
12/056,300	03/27/2008	2617	435	KIRU-02-US	17	3

CONFIRMATION NO. 9331

UPDATED FILING RECEIPT



Date Mailed: 06/16/2008

Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

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Applicant(s)

Ewald C. Anderl, Middletown, NJ;
Ajay Kumar Thapar, Bangalore, INDIA;
Chinna Marudhu Pandian Chockalingam, Bangalore, INDIA;

Assignment For Published Patent Application

Kirusa Inc.

Power of Attorney:

Ashok Tankha--33802

Domestic Priority data as claimed by applicant

Foreign Applications

INDIA 871/CHE/2007 04/25/2007

If Required, Foreign Filing License Granted: 04/10/2008

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 12/056,300**

Projected Publication Date: 10/30/2008

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

Addressing Voice SMS Messages

Preliminary Class

455

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For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/056,300	03/27/2008	Ewald C. Anderl	KIRU-02-US

CONFIRMATION NO. 9331

PUBLICATION NOTICE



0000000032867819

Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

Title:Addressing Voice SMS Messages

Publication No.US-2008-0268817-A1

Publication Date:10/30/2008

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

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Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		12056300
	Filing Date		2008-03-27
	First Named Inventor	Ewald C. Anderl	
	Art Unit	2617	
	Examiner Name	Bost, Dwane D	
	Attorney Docket Number	KIRU-02-US	

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	1	20050286689	A1	2005-12-29	Petri Vuori			
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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² j	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	02/49319	IL	A2	2002-06-20	Xcitel Ltd.		☐
	2	2005/062976	US	A2	2005-07-14	Kirusa Inc.		☐
	3	01/13656	EP	A1	2001-02-22	Telefonaktiebolaget LM Ericsson		☐

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	12056300
Filing Date	2008-03-27
First Named Inventor	Ewald C. Anderl
Art Unit	2617
Examiner Name	Bost, Dwane D
Attorney Docket Number	KIRU-02-US

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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
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EXAMINER SIGNATURE

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	12056300
Filing Date	2008-03-27
First Named Inventor	Ewald C. Anderl
Art Unit	2617
Examiner Name	Bost, Dwane D
Attorney Docket Number	KIRU-02-US

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☒ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/a tankha/	Date (YYYY-MM-DD)	2009-09-16
Name/Print	Ashok Tankha	Registration Number	33802

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:
Application No. 12/056,300
Filed: 27 March 2008
First Named Applicant: Ewald C. Anderl
Title: Addressing Voice SMS Messages

Attorney Docket #: Kirusa_02

Commissioner for Patents
P.O.Box. 1450
Alexandria VA 22313-1450

Certification Statement

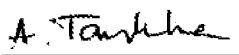
Sir/Ma'am,

With reference to the above mentioned application, each item listed in the Information Disclosure Statement submitted herewith was cited in the PCT Search Report.

If there are any further inquiries with regard to this submission, you are requested to contact the undersigned.

Respectfully Submitted,

Date: 16 September, 2009


Ashok Tankha, Esq.
Attorney for Applicant
Reg. No. 33802
Phone: 856-266-5145

Correspondence Address
36 Greenleigh Drive
Sewell, NJ 08080
Fax: 856-374-0246
Email: ash@ipprocure.com

Electronic Acknowledgement Receipt

EFS ID:	6080199
Application Number:	12056300
International Application Number:	
Confirmation Number:	9331
Title of Invention:	Addressing Voice SMS Messages
First Named Inventor/Applicant Name:	Ewald C. Anderl
Correspondence Address:	Ashok Tankha - 36 Greenleigh Drive - Sewell NJ 08080 US 856-266-5145 ash@ipprocure.com
Filer:	Ashok Tankha
Filer Authorized By:	
Attorney Docket Number:	KIRU-02-US
Receipt Date:	16-SEP-2009
Filing Date:	27-MAR-2008
Time Stamp:	00:26:34
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	Kiru_02_Transmittal.pdf	320673 83240486a9b7e9be4a590ca8d29eb03f130fea14	no	2
Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Filed (SB/08)	Kiru_02_IDS.pdf	774609 c1c962020b5d36e1dff5dac2e091a18ded669e86	no	4
Warnings:					
Information:					
3	Miscellaneous Incoming Letter	Kirusa_02_Certification_Statement.pdf	19317 d46ac5765acb2cc03d6e1810b3155e59a3dc9b5c	no	1
Warnings:					
Information:					
Total Files Size (in bytes):			1114599		
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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	12056300
	Filing Date	2008-03-27
	First Named Inventor	Ewald C. Anderl
	Art Unit	2617
	Examiner Name	Bost, Dwane D
Total Number of Pages in This Submission	Attorney Docket Number	KIRU-02-US

ENCLOSURES (Check all that apply)		
☐ Fee Transmittal Form ☐ Fee Attached ☐ Amendment/Reply ☐ After Final ☐ Affidavits/declaration(s) ☐ Extension of Time Request ☐ Express Abandonment Request ☒ Information Disclosure Statement ☐ Certified Copy of Priority Document(s) ☐ Reply to Missing Parts/ Incomplete Application ☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53	☐ Drawing(s) ☐ Licensing-related Papers ☐ Petition ☐ Petition to Convert to a Provisional Application ☐ Power of Attorney, Revocation Change of Correspondence Address ☐ Terminal Disclaimer ☐ Request for Refund ☐ CD, Number of CD(s) _____ ☐ Landscape Table on CD	☐ After Allowance Communication to TC ☐ Appeal Communication to Board of Appeals and Interferences ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) ☐ Proprietary Information ☐ Status Letter ☒ Other Enclosure(s) (please identify below): Certification Statement.
Remarks References cited in the PCT Search Report listed in the IDS submitted herewith.		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name		
Signature	/a tankha/	
Printed name	Ashok Tankha	
Date	16 September 2009	Reg. No. 33802

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Signature			
Typed or printed name		Date	

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3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.



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BIB DATA SHEET

CONFIRMATION NO. 9331

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.		
12/056,300	03/27/2008	455	2617	KIRU-02-US		
RULE						
APPLICANTS Ewald C. Anderl, Middletown, NJ; Ajay Kumar Thapar, Bangalore, INDIA; Chinna Marudhu Pandian Chockalingam, Bangalore, INDIA; ** CONTINUING DATA ***** ** FOREIGN APPLICATIONS ***** INDIA 871/CHE/2007 04/25/2007 ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** ** SMALL ENTITY ** 04/10/2008						
Foreign Priority claimed ☒ Yes ☐ No 35 USC 119(a-d) conditions met ☐ Yes ☒ No Verified and Acknowledged <u>/MARISOL FAHNERT/</u> Examiner's Signature		☐ Met after Allowance Initials	STATE OR COUNTRY NJ	SHEETS DRAWINGS 9	TOTAL CLAIMS 17	INDEPENDENT CLAIMS 3
ADDRESS Ashok Tankha 36 Greenleigh Drive Sewell, NJ 08080						
TITLE Addressing Voice SMS Messages						
FILING FEE RECEIVED 435	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit		

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	12/056300.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 11:31
S2	12	((EWALD) near2 (ANDERL)). INV.	US-PGPUB; USPAT	OR	ON	2011/03/07 11:34
S3	1	((AJAY) near2 (THAPAR)). INV.	US-PGPUB; USPAT	OR	ON	2011/03/07 11:34
S4	1	((CHINNA) near2 (CHOCKALINGAM)).INV.	US-PGPUB; USPAT	OR	ON	2011/03/07 11:34
S5	12	S2 S3 S4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 11:36
S6	39	KIRUSA.AS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 11:36
S7	11787	voice SMS	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 11:37
S8	8	S7 S5	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 11:40
S9	8	S7 S6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 11:40
S10	3301	voice near2 SMS	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 11:58

S11	7989	455/466	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 11:58
S12	378	S11 S10	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 11:58
S13	79	(voice SMS).ti.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 11:59
S14	34	(voice near2 SMS).ti.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 11:59
S15	3	S11 S14	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 11:59
S16	4	S11 S13	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 12:00
S17	4	S11 S13 S10	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 12:01
S18	1	10/407955.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 12:01
S19	3609	455/412.1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 12:05
S20	2038	455/412.2	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 12:05

S21	286	55/413	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 12:06
S22	7989	455/466	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 12:06
S23	11549	S19 S20 S21 S22	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:06
S24	824	379/88.11	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:06
S25	1264	379/88.12	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:06
S26	2300	379/88.13	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:06
S27	1509	379/88.18	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:06
S28	1170	379/88.25	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:06
S29	570	379/88.26	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:06
S30	4991	S24 S25 S26 S27 S28 S29	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:07

S31	15776	S23 S30	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:07
S32	1	application text recipient (creat\$3 near2 text) addres \$4 voice integrat\$3 prompt \$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:10
S33	1	text recipient (creat\$3 near2 text) addres\$4 voice integrat\$3 prompt\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:10
S34	1	text (creat\$3 near2 text) addres\$4 voice integrat\$3 prompt\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:10
S35	1	text (creat\$3 near2 text) voice integrat\$3 prompt\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:11
S36	12	text voice integrat\$3 prompt \$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:11
S37	0	text voice integrat\$3 prompt \$3 SMS	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:11
S38	13756	(voice or audio) SMS	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:12
S39	3557	(voice or audio) near2 SMS	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:13
S40	34	((voice or audio) near2 SMS).ti.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:13

S41	3	S11 and S40	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:14
S42	1	((voice or audio) near2 SMS).ti. and prompt\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:44
S43	1246	((voice or audio) near2 SMS) and prompt\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 13:25
S44	216	S31 and S43	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 13:26
S45	635	((voice or audio) near2 SMS) and (prompt\$3 near2 user)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 13:26
S46	116	S31 and S45	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 13:26
S47	69	((voice or audio) near2 SMS) and ((prompt\$3 near2 user) (voice near2 message))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 13:27
S48	18	S31 and S47	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 13:27
S49	1	S40 and S47	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 13:38
S50	85	((voice or audio) SMS).ti.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 13:39

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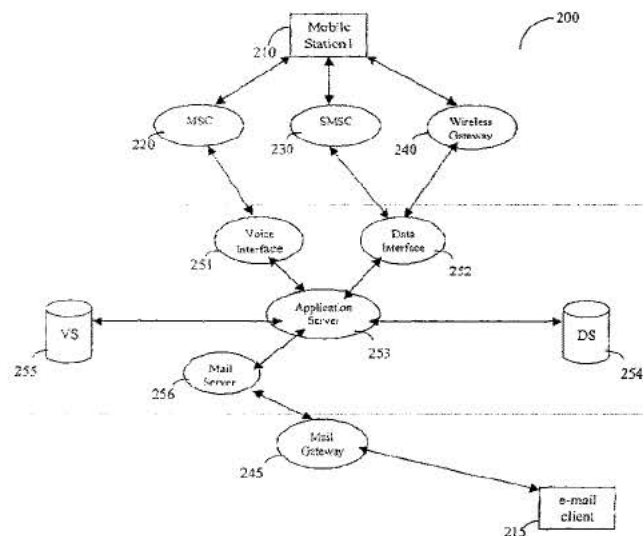
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR HANDLING MULTI-PART MESSAGES SENT TO E-MAIL CLIENTS FORM CELLULAR PHONES



(57) Abstract: A system and method (shown in Figure 2) for enabling users of existing mobile handsets and wireless architecture to create and manage messages composed of both text and multimedia attachments, and communicate these messages to email users, where they may be processed and utilized by standard email application software. The process of creating such a message includes the steps of using SMS to create a text message, with the destination email address included, as well as using a voice session to create a voice attachment. The text message is subsequently converted into the text of a conventional email message, and the voice message is attached to the email. The email message is then sent, for example by using an email server and email gateway, to the destination address.



Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

METHOD AND SYSTEM FOR HANDLING MULTI-PART MESSAGES SENT TO
E-MAIL CLIENTS FROM CELLULAR PHONES

Other References

- 5 Short Message Service (SMS); Point-to-Point (PP) (Global System for Mobile
Communications); 03.40 version 6.1.0 Release 1997); European Telecommunications
Standards Institute.
Global System Mobile (GSM) standards 09.02 and 03.40; European Telecommunications
Standards Institute.

10

FIELD AND BACKGROUND OF THE INVENTION

1. Technical Field

- The present invention relates generally to wireless communication devices and, in
particular, to a system for handling voice in addition to data messages sent to users of e-
15 mail, by users of standard wireless communication devices.

2. Description of the Related Art

- Mobile telephone usage for conventional voice communication has expanded
rapidly. In recent years there has also been a significant increase in data communication
20 over the wireless channels. The need for systems to facilitate the usage and management
of voice and text using wireless communication devices has led to various new
developments in the wireless communications market. Currently available technologies,
enabling the transfer of text over mobile phones, are generally associated with the Short
Messaging Service (SMS), while technologies enabling the management of voice
25 messages over mobile phones are generally associated with voicemail.

- SMS technology allows SMS-enabled cellular phones, such as digital cellular
networks, including Global System Mobile (GSM), CDMA and TDMA, to transfer short
textual messages between two parties. Typically, messages are 100 to 256 characters
long. SMS allows the creation of text messages either on mobile handsets or by computer
30 systems, and receiving of such text messages on mobile handsets. Recent technologies

further allow the transfer of images (icons) along with SMS Messages. Within the definition of more recent technology, referred to as 3G (third generation) mobile telephony technologies, there are available features that enable the transfer of audio and video clips as attachments to messages, which are exchanged between mobile handsets or, between mobile handsets and e-mail clients. However, these 3G technologies are not available when using current handsets and wireless architectures, and require massive hardware upgrades in both network and client systems. Such future technologies include Universal Mobile Telecommunications System (UMTS) and Wideband-CDMA (CMDA 2000).

Voicemail technology allows depositing of voice messages in a user's voicemail box, so that a user may later access that box, usually by using technologies such as Interactive Voice Response (IVR) systems, to retrieve previously stored voice messages. SMS notification for voicemail messages is commonplace today, wherein the user is notified by a SMS message when a new voicemail has been deposited in his or her voice mailbox. However, the integration between SMS and voicemail is not tight, since after receiving an SMS notification, the user is still required to log on to the voicemail system in order to obtain a new message. In most cases the user needs to navigate through voice menus for the retrieval of the desired message. It is generally not possible to browse visually through the stored messages in order to locate a certain message.

The ability to create an SMS message and to attach a voice message or any kind of data attachment (referred to as "multi part messages" or "MPM") over a cellular telephone is described in detail in PCT patent application IL01/01166, titled "A Method and System for Handling Multi-Part Messages by Users of Cellular Phones", assigned to common assignee, and which is which is fully incorporated herein by reference, as if fully set forth herein.

Reference is now made to Fig. 1, illustrating an exemplary system **100** for handling a MPM. System **100** is operated through various software components, such that system **100** enables composition, management, storage and tracking of MPMs. These components optionally include SIM toolkits, as well as protocols including DTMF, IVR,

WAP, etc. The core technology of the system is a software component, which is part of application server **170** that coordinates and controls the activities of system **100**. These components comprise means for creating, managing, manipulating, monitoring and communicating multi-part messages using wireless communication devices, including cellular phones. A MPM is composed over mobile station **110**. The voice part of an MPM is transferred to a voice interface **150** via mobile switching center (MSC) **120** where the textual part is transferred to a data interface **160** via short message service center (SMSC) **130** or via a wireless gateway **140** such as WAP gateway, HTML gateway, CHTML gateway, XML gateway. Incoming MPM are saved in storage devices **180** and **185**, where textual data is stored in main database **185** and voice data is stored on voice storage **180**. Application server **170** executes manipulations and services initiated by an incoming request. Application server **170** main databases **185**, voice storage **180**, voice interface **150**, and data interface **160** communicate via common communication means **190**, including but not limited to local area network (LAN), wide area network (WAN), and the others. System **100**, described above provides a means for sending and receiving a multi part message over cellular phones.

The basic capabilities of the cellular phones utilized in the current networks, as described, include voice communications; Short-Message-Services (SMS); SIM Toolkit capabilities (STK), and Wireless Application Protocol (WAP) support, which also include the ability to handle Wireless Markup Language (WML) directives with a WML browser or an equivalent directive.

It would be likewise advantageous to have a method and a system that can provide for the integration of voice and data communications between wireless communication devices and e-mail users.

25

SUMMARY OF THE INVENTION

According to the present invention there is provided a system and method for enabling users of wireless communication devices, including mobile and cellular handset users, to create email compatible messages comprised of multimedia attachments and an optional text message. According to the present invention, these messages can be

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composed using commonly available wireless handsets and sent to e-mail clients, where they may be processed and utilized by standard email application software.

The process, according to the present invention, includes the following steps:

5 A subscriber composes an MPM over a cellular phone. First the subscriber types a short text message using, for example, the cellular phone keypad. The subscriber also enters the recipient's e-mail address at, for example, the beginning of the text message. A voice session is subsequently established between the subscriber cellular phone and voice interface unit, via MSC. The subscriber dials to the application server, with a dial-up number, and records his or her message via MSC. Following this, a Mail Server converts
10 the multi part message to an e-mail message in SMTP/ESMTP or MIME formats or in any equivalent e-mail messaging format. First, a voice message is converted to a voice file in WAV format, MP3 format, or any other type of digital audio format, in a compressed or uncompressed format. Mail server stores the voice file in a storage database. The text part of the e-mail message is then converted from SMS message to an
15 e-mail message. The e-mail message is subsequently prepared, and includes, in this example, a text part and a voice part. The voice part is a voice file that appears as an attachment to the textual message. Finally, the message is sent from a mail server to an e-mail client through a mail gateway. The e-mail client receives the MPM as an e-mail message with a voice attachment.

20

BRIEF DESCRIPTION OF THE DRAWINGS

The invention is herein described, by way of example only, with reference to the accompanying drawings, wherein:

25 Figure 1 – illustrates an exemplary (prior art) system for handling a multi part message.

Figure 2 - illustrates a system for depositing of multi part message over cellular phones with an e-mail client destination.

30 Figure 3 - illustrates a method for depositing of multi part message over cellular phones with an e-mail client destination.

DETAILED DESCRIPTION OF THE INVENTION

The present invention relates to a system and method for enabling users of wireless communication devices, including mobile and cellular handset users, to create email compatible messages comprised of multimedia attachments and an optional text message. According to the present invention, these messages, which may be combinations of text, voice and image data, can be composed from commonly used wireless handset and sent to e-mail clients.

The following description is presented to enable one of ordinary skill in the art to make and use the invention as provided in the context of a particular application and its requirements. Various modifications to the preferred embodiment will be apparent to those with skill in the art, and the general principles defined herein may be applied to other embodiments. Therefore, the present invention is not intended to be limited to the particular embodiments shown and described, but is to be accorded the widest scope consistent with the principles and novel features herein disclosed.

Specifically, the present invention can be used to send SMS messages together with voice attachments, or other types of attachments, referred to as multi-part messages (MPMs). MPMs can be dynamically created or edited, or pre-generated and kept in a central repository of the preferred system. These attachments may be, for example, one or more of bit-map icons, vocal tones, audio clips, video clips, business card information and any other data attachments. A MPM can be, for example, an SMS combined with a voice message, or two SMS messages, etc. The MPM as described above can be sent to e-mail clients, from wireless communication devices, including cellular phones.

The principles and operation of a system and a method according to the present invention may be better understood with reference to the drawings and the accompanying description, it being understood that these drawings are given for illustrative purposes only and are not meant to be limiting, wherein:

Reference is now made to Fig. 2, which illustrates a system for depositing of multi part message from a wireless communication device, including mobile or cellular phones, to an e-mail client. System **200** is operative through various software components

that enables composition, management, storage and tracking of MPM, which are composed by subscribers using communication devices and subsequently sent to e-mail clients. These components optionally include SIM toolkits, as well as protocols including DTMF, IVR, WAP, etc. The core technology of the system is a software component, in
5 application server **253**, that coordinates the various components of system **200**. These components comprise means for creating, managing, manipulating, monitoring and communicating multi-part messages.

Application server **253** executes applications and services based on incoming requests. These requests may be either from voice interface **251** or from data interface
10 **252**. Voice interface **251** runs all the voice related activities and interfaces, includes a line interface card, such as E1/T1, ISDN, SS7 or the likes. Data interface **252**, executes all data related activities and interfaces and provides seamless support for connectivity with wireless communication devices, such as standard mobile and cellular devices, including WAP phones, STK phones, SMS phones and handheld devices such as Palm®,
15 EPOCH®, and PocketPC®. Voice storage **255**, is a high-speed storage device that handles all voice related storage activities. Data storage **254**, is a standard storage device that contains all information to be stored and retrieved on behalf of server application **253** such as run time transaction information, provisioning information, user data etc. System **200** communicates with mobile station **210** through mobile switching center (MSC) **220**
20 for voice transactions, and through short message service center (SMSC) **230** or through wireless gateway **240** for data transactions. Wireless gateway **240** may be WAP gateway, XML gateway, CHTML gateway, HTML gateway and any other wireless gateway. System **200** includes two additional components, mail server **256** and mail gateway **245**. These components allow the creation and handling of e-mail messages.

25 Mail server **256** executes all e-mail activities related to converting a message from SMS with voice attachment (MPM) to an e-mail message. Mail server **256** creates an email message that includes the textual message of the MPM and the audio file of the MPM, as a voice attachment. The email message is created so as to be compatible with standard e-mail formats such as SMTP/ESMTP or MIME. Mail gateway **245** executes all
30 activities related to transferring the resulting email message to an e-mail client **215**. The

steps used by the Mail gateway **245** to transfer the email message to an email client are commonly known in the art. Mail gateway **245** communicates with mail server **256** through SMTP/ESMTP protocols. E-mail client **215** communicates with mail gateway **245** using POP3 or IMAP4 protocols. E-mail client **215** may be any type of device with the capability of sending and receiving e-mail messages, such as Microsoft Office Outlook®, Microsoft Outlook Express®, Lotus Notes®, etc.

A reference is now made to Fig. 3, which illustrates the depositing of an MPM over cellular phone with an e-mail client destination. It should be noted that Fig. 3 does not exemplify the methods for composing a message over the different basic cellular phones (WAP phones, STK phones and SMS only phones). These methods are described in detail in PCT patent application IL01/01166, titled "A Method and System for Handling Multi-Part Messages by Users of Cellular Phones", assigned to common assignee, which is fully incorporated herein by reference, as if fully set forth herein. Fig. 3 includes the following acronyms:

MS - Mobile Station
SMSC - Short Message Service Center
MSC - Mobile Switching Center
DI - Data Interface
VI - Voice Interface
VS - Voice Storage
AS - Application Server
DB - Database
WG - Wireless Gateway
EMS - e-mail Server
EMG - e-mail Gateway

Following is a detailed description of the steps described in Fig. 3.

Step 310: Subscriber **210** composes an MPM over a cellular phone. First subscriber types a short text message using, for example, the cellular phone keypad. Subscriber **210** also enters the recipient's e-mail address at, for example, the beginning of

the text message, and specifies a system's short -code number in the destination field.

The "short code number" is used as a service identifier, to indicate to the system receiving the message that it is a MPM, and it is therefore routed to the system capable of handling such messages. Additionally, subscriber **210** may enter other information

5 relevant to sending of an SMS, like validity period, reply-options, etc. The composed message is submitted through SMSC **230**, or through wireless gateway **240**, depending on the type of the device, to data interface **252**. Optionally, the message can be sent to a distribution list containing more than one subscriber, as facilitated by the cellular phone distribution-list mechanism (sometimes referred to as "groups"), or through an external
10 distribution list, kept on the system. The text message is stored in data storage **254**, using application server **253**.

Step 320: A voice session is established between the subscriber **210** cellular phone and voice interface **251**, via MSC **220**. The voice session establishment is triggered
15 by the subscriber **210** dialing the system **200** dial-up number. Over this voice session, subscriber **210** records his or her message. The dial-up number may be a previously assigned number to the particular user being targeted, or a number provided by the system on a case-by case basis. Alternatively, after storing the text-message, system **200** may send an SMS to subscriber **210**, and subscriber **210** may use the SMS reply option to
20 that SMS, namely sending back a SMS to the system in order to establish a voice session. Upon receiving this reply SMS, system **200** will initiate the voice session, via the voice interface **251** and MSC **220** to subscriber **210**. After establishing a voice session, subscriber **210** is prompted to record his or her message. The application server **253** stores the resulting voice-message in the voice storage **255**.

25

Step 330: Mail server **256** converts the multi part message to an e-mail message in SMTP/ESMTP, MIME or in any equivalent e-mail messaging format. First, mail server **256** obtains the recorded voice-message from voice storage **255** and converts it to a voice file in WAV, MP3, audio (AU), audible (AUD), audio interchange file format (AIFF),

audio interchange file (AIF), or any other type of digital audio format, in a compressed or uncompressed format. This conversion process is well known in the art.

Step 340: Mail server **256** obtains the SMS message from data storage **254** and converts it the text part of the e-mail message. This conversion process is well known in the art. The e-mail message is subsequently prepared, and includes, in this example, a text part and a voice part. The voice part is a voice file (e.g. <file_name>.wav file) that appears as an attachment to the textual message.

Step 350: The message is sent from mail server **256** to e-mail client **215** through mail gateway **245**. E-mail client **215** receives the MPM as an e-mail message with a voice attachment.

E-mail client **215** receives an MPM message as an e-mail message. The subject field contains the text or part of it, and the e-mail body contains the full text. The sender is presented as the mobile subscriber number, name, or e-mail address. E-mail user may listen to the content of a voice attachment, using a standard audio player (e.g. Windows Media Player ®, Real Player ®, etc.).

The foregoing description of the embodiments of the invention has been presented for the purposes of illustration and description. It is not intended to be exhaustive or to limit the invention to the precise form disclosed. It should be appreciated that many modifications and variations are possible in light of the above teaching. It is intended that the scope of the invention be limited not by this detailed description, but rather by the claims appended hereto.

WHAT IS CLAIMED IS:

1. A system for enabling the creation of email compatible multi-part messages (MPM) from mobile communication devices, comprising:
an application server for managing the MPM creation and transfer processes;
a mail server for creating and handling email messages from the MPM;
at least one database for storing the system data;
a voice interface unit for transferring voice commands to and from said application server;
a data interface unit for transferring data commands to and from said application server; and
a network capable of carrying data between said application server, said mail server, said database, said voice interface unit and said data interface unit.
2. The system of claim 1, wherein said mail server further comprises means for creating an e-mail message from said MPM, such that said MPM's text part is said e-mail message's text, and said MPM's voice part is said e-mail message's attachment.
3. The system of claim 1, wherein said database is adapted to store data selected from the group consisting of voice messages and text messages.
4. The system of claim 2, wherein said email attachment is selected from the group of file formats consisting of WAV, MP3, AU, AUD AIFF and AIF.
5. The system of claim 1, further comprising a mail gateway, for interfacing between said mail server and said e-mail client.
6. The system of claim 1, wherein said voice interface unit includes a mechanism for enabling a voice connection with said wireless communication device.

7. The system of claim 6, wherein said voice interface unit further comprises a mechanism for recording voice messages.
8. The system of claim 1, wherein said data interface unit includes a mechanism for transferring of said text between said wireless communication device and said application server.
9. The system of claim 1, wherein said e-mail message is in a format selected from the group consisting of SMTP, ESMTP and MIME.
10. The system of claim 1, wherein said network is selected from the group consisting of a local area network and wide area network.
11. The system of claim 1, wherein said wireless communication device is selected from the group consisting of:
 - a) cellular phone with a SIM toolkit;
 - b) SMS enabled cellular phone; and
 - c) cellular phone with navigation software.
12. The system of claim 11, wherein said navigation software can process data requests in markup languages selected from the group consisting of WML, CHTML, HTML, and XML.
13. The system of claim 12, wherein said navigation software is an Internet browser.
14. The system of claim 1, wherein said application server further comprises instructions selected from the group consisting of:
 - a) controlling said voice interface unit;
 - b) controlling said data interface unit;

- c) controlling said database;
 - d) controlling said mail server;
 - e) composing said MPM;
 - f) storing said MPM; and
 - g) managing said MPM.
15. The system of claim 1, wherein said mail server further comprises instructions selected from the group consisting of transforming voice messages to voice files, and transforming text messages to text based e-mail format.
16. A method for enabling the creation of email messages from multi part messages (MPM) from wireless communication devices, the method comprising:
- a) entering a textual message using said communication device text input interface;
 - b) transferring said textual message to a data interface unit;
 - c) storing said textual message in a database;
 - d) establishing a voice session between said wireless communication device and a voice interface unit, via a mobile switching center (MSC);
 - e) recording a voice message over said voice session;
 - f) storing said voice message in a database;
 - g) transforming said voice message into a voice file;
 - h) composing an e-mail message by converting said text message into an e-mail message, and attaching said voice file to said e-mail message;
17. The method of claim 16, further comprising transferring said e-mail message to an e-mail client.
18. The method of claim 16, wherein said text input interface is a keypad.
19. The method of claim 16, wherein said text input method is a touch-sensitive screen.

20. The method of claim 16, wherein said entering a textual message includes entering at least an e-mail address.
21. The method of claim 16, wherein said establishing voice session comprises executing dialing.
22. The method of claim 21, wherein said dialing requires dialing a pre-defined number.
23. The method of claim 21, wherein said dialing requires dialing a dialed number provided by said system.
24. The method of claim 21, wherein said dialing is manual.
25. The method of claim 21, wherein said dialing is automatic.
26. The method of claim 16, wherein said establishing of a voice session comprises sending a short message from said system to initiate said voice session.
27. The method of claim 26, wherein said initiating of a voice session comprises replying to said short message by short message.

28. The method of claim 16, wherein said wireless communication device is selected from the group consisting of:
- a) cellular phone with a SIM toolkit;
 - b) SMS enabled cellular phone; and
 - c) cellular phone with navigation software.
29. The method of claim 28, wherein said navigation software can process data requests in markup languages selected from the group consisting of WML, CHTML, HTML, and XML.
30. The method of claim 29, wherein said navigation software includes an Internet browser.
31. A computer executable code for enabling wireless communication devices to create email messages from multi-part messages (MPM), such that these messages are usable by standard email client software, said code comprising:
- a) receiving a text message from a wireless communication device, via a short message service center (SMSC) and data interface, to an application server;
 - b) storing said text message in a database connected to said application server;
 - c) establishing a voice session between said wireless communication device and a voice interface, via mobile switching center (MSC), for recording a voice message;
 - d) recording a voice message, over the voice session;
 - e) storing said voice message in a database;
 - f) transforming said voice message into a voice file;
 - g) composing an e-mail message from said text message, by a mail server; and
 - h) attaching said voice file to said email message, by said mail server.

32. The computer executable code of claim 31, wherein said code further comprises the step of transferring said e-mail message, by said mail server, to the e-mail client software, via a mail Gateway.

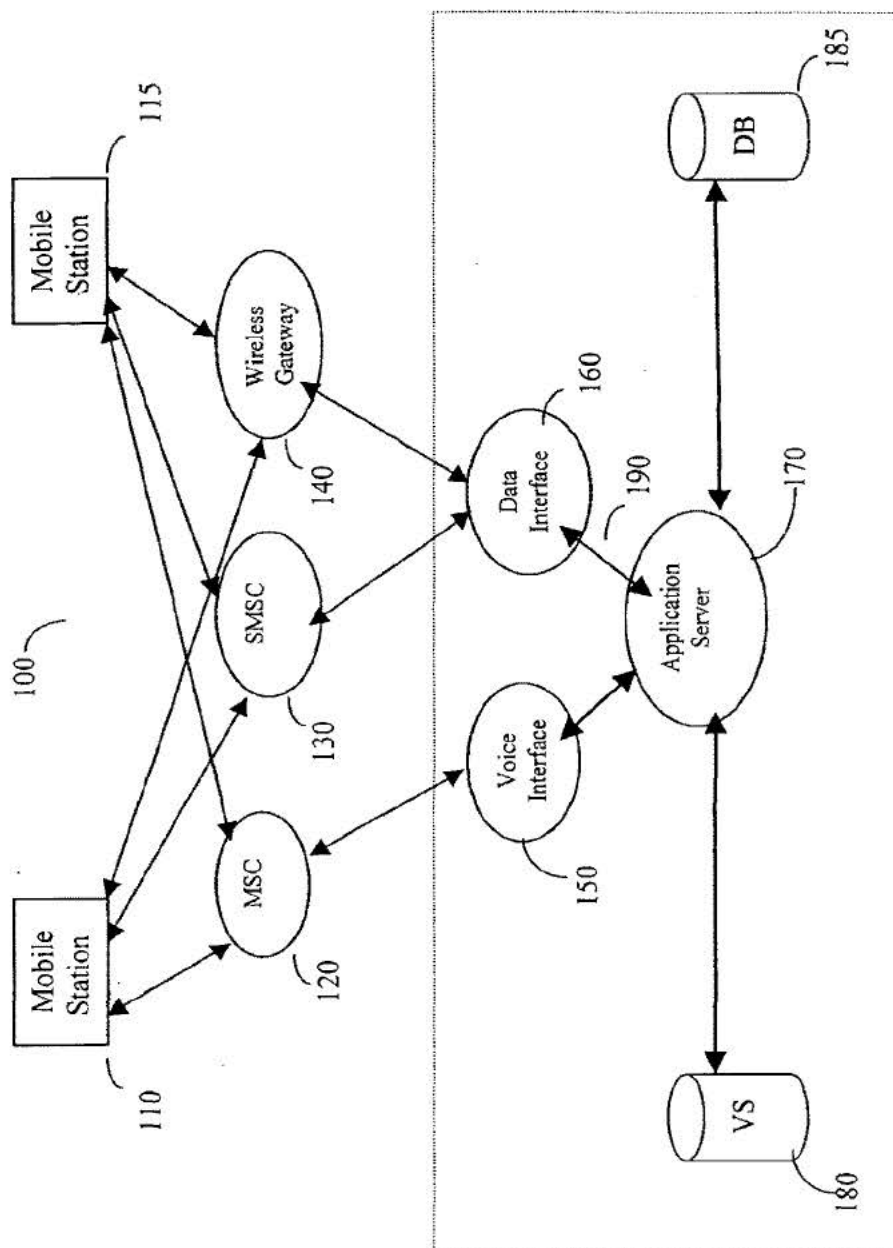


Figure 1

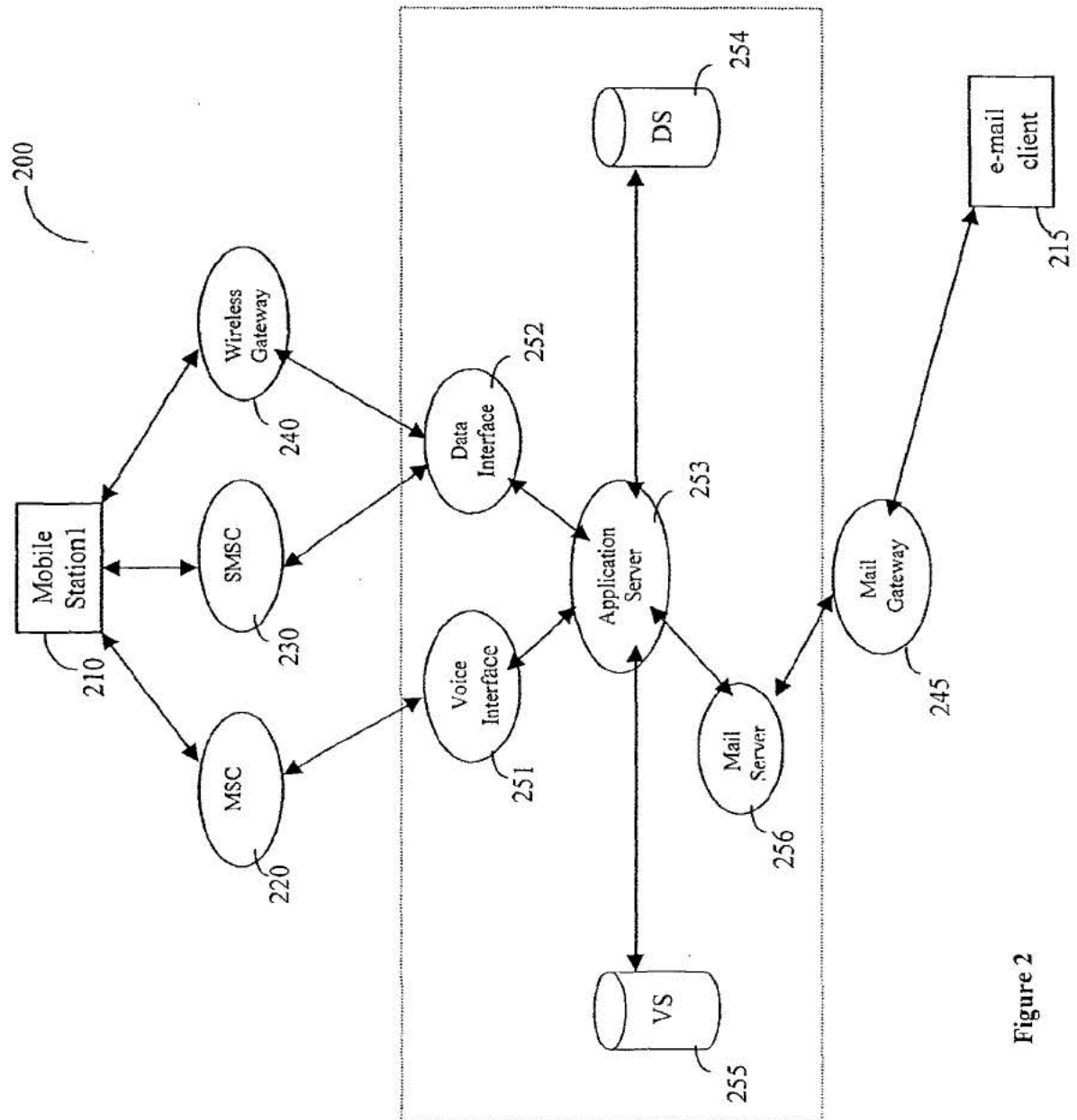


Figure 2

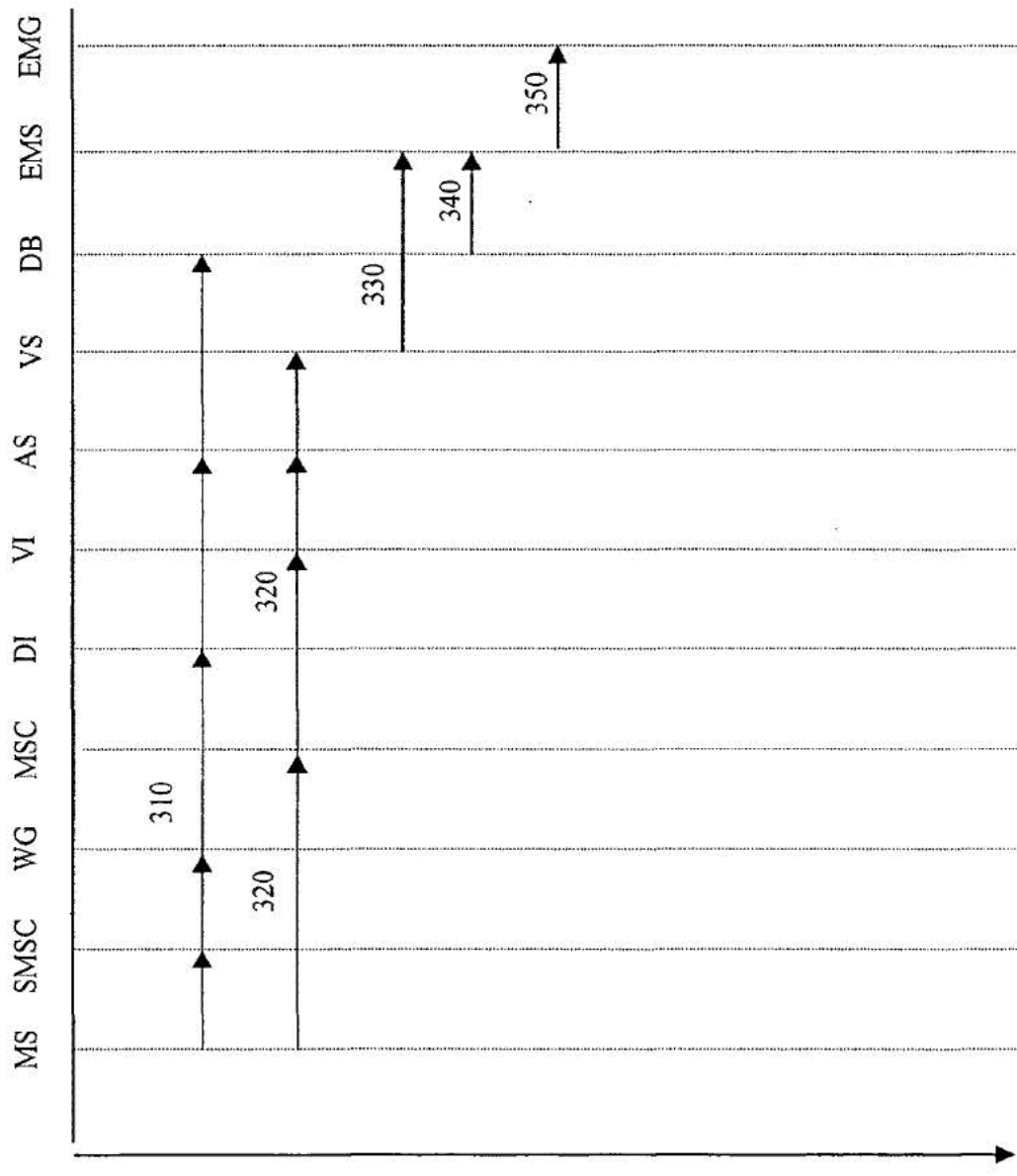


Figure 3

Time

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/09621

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04M 1/64

US CL : 455/412

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 455/412

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,385,306 B1 (BAXTER, JR.) 02 March 2000 (02.03.2000),	1-4,7-914-18, 20-27
---	C1, L33-65, C2, L64-67 to C3, L1-13 and C4, L45-67, C5, L10-35 and C5, L56-67, 1-	and 31/5,6,10-13, 19,
Y	10 and C8, L64-67 to C9, L1-20 and C9, L59-60 and C10, L6-15, and C11, L17-22 and	28-30 and 32
Y	L42-50 and C11, L65-67 to C12, L1-10 and figures 1 (#36), 4, 6 (#20, #240), 11, 12 and	
Y	US 6,351,523 B1 (DETLEF) 22 March 1999 (22.03.1999)	5, 6, 10, 11, 13, 28,
	Figure 1 (#36) and C4, L45-50, Figure 1, #12 is a phone, Figure 1 (#52 and #32), Figure	30 and 32
	1, #12 and Figure 2, Figure 1 shows Internet, Figure 1 #38 (email gateway)	
Y	US 6,216,013 B1 (MOORE et al) 16 November 1999 (16.11.1999)	19
	Figure 2 and C3, L5-13	

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

01 July 2002 (01.07.2002)

Date of mailing of the international search report

Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks

Box PCT

Washington, D.C. 20231

Facsimile No. (703)305-3230

Authorized officer

Daniel Hunter

Telephone No. 703-306-0377

Form PCT/ISA/210 (second sheet) (July 1998)

Notice of References Cited	Application/Control No. 12/056,300		Applicant(s)/Patent Under Reexamination ANDERL ET AL.	
	Examiner MARISOL FAHNERT		Art Unit 2617	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-7,702,739	04-2010	Cheng et al.	709/207
*	B	US-2007/0260456	11-2007	Proux et al.	704/235
*	C	US-2007/0275739	11-2007	Blackburn, Romilly	455/466
*	D	US-2008/0008162	01-2008	Martinez et al.	370/352
*	E	US-2006/0172750	08-2006	Mizoguchi, Takehiko	455/466
*	F	US-5,872,925	02-1999	Han, Charles S.	709/206
*	G	US-2004/0106413	06-2004	Sambin, Marco	455/456.1
*	H	US-7,013,155	03-2006	Ruf et al.	455/466
*	I	US-2007/0123280	05-2007	McGary et al.	455/466
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N	WO 2003/024069	03-2003	WIPO	SHAKED et al.	H04M 1/64
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/056,300	03/27/2008	Ewald C. Anderl	KIRU-02-US	9331
7590		03/21/2011		
Ashok Tankha 36 Greenleigh Drive Sewell, NJ 08080				
			EXAMINER	
			FAHNERT, MARISOL	
			ART UNIT	PAPER NUMBER
			2617	
			MAIL DATE	DELIVERY MODE
			03/21/2011	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 12/056,300	Applicant(s) ANDERL ET AL.	
	Examiner MARISOL FAHNERT	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on 27 March 2008.

2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) 1-17 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) 1-17 is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on 27 March 2008 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some * c) ☒ None of:

1. ☒ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)	4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) ☐ Notice of Informal Patent Application
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>09/16/2009</u> .	6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

2. **Claim 17** is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The language of the claim raises a question as to whether the claim is directed merely to an abstract idea that is not tied to a technological art, environment or machine which would result in a practical application producing a concrete useful, and tangible result to form the basis of statutory subject matter under 35 U.S.C. 101.

Claim 17 claims the non-statutory subject matter of a computer program embodied in a computer-readable medium. The specification discloses “***The term “computer-readable medium” refers to any medium that participates in providing data, for example instructions that may be read by a computer, a processor or a like device. Such a medium may take many forms, including but not limited to, non-volatile media, volatile media, and transmission media.***” Transmission media is transitory media, which are non-statutory (see page 15 line 29 - page 16 line 6).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

Art Unit: 2617

invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

4. Claims 1 and 6-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Cheng (US 7,702,739) further in view of Proux (US 2007/0260456).

Regarding claim 1, Shaked discloses a method for voice short message service messaging, comprising the steps of:

providing a client application on a mobile device (Shaked, Fig. 2);

creating a text message by a user on said mobile device (Shaked, page 1, lines 29, “**SMS allows the creation of text messages ... on mobile handsets.**”);

addressing said text message to a recipient (Shaked, page 4, lines 5-6, “**The subscriber also enters the recipient’s e-mail address.**”);

integrating voice content to the text message (Shaked, page 4, lines 16-17, “**The voice part is a voice file that appears as an attachment to the textual message**”)

using methods of recipient addressing as used by text short message service messaging (Shaked, page 4, lines 5-6, “**The subscriber also enters the recipient’s e-mail address.**”) comprising the steps of:

transmitting a voice message notification with the addressed text message to said recipient (Shaked, page 4, lines 16-17, “**The voice part is a voice file that appears as an attachment to the textual message.**” It is implicit to a message having an attachment to notify the recipient that the attachment is included.)

However, Shaked fails to disclose intercepting the addressed text message by said client application and prompting the user to include a voice message with the addressed text message.

In an analogous field of endeavor, Cheng discloses intercepting the addressed text message by said client application (Cheng, col. 42, lines 39-41, “**Some operating systems allow a client application to intercept an SMS message so we can have an agent that is constantly looking for an SMS message.**”)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine Cheng with Shaked to provide efficient and transactional messaging between client and server applications over multiple intermittent networks (as suggested by Cheng, see col. 1).

However, the combination of Shaked and Cheng fails to disclose prompting the user to include a voice message with the addressed text message.

In an analogous field of endeavor, Proux discloses prompting the user to include a voice message with the addressed text message (Proux, ¶ [0006], lines 6-7, ***“prompting a user ... to input a voice message”***).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to add Proux in the combination of Shaked and Cheng to provide a textual representation of a voice message to a communication device (as suggested by Proux, see ¶ [0006]).

Regarding claim 6, the combination of Shaked, Cheng and Proux discloses all the limitations of claim 1.

Shaked also discloses forwarding the addressed text message to a server (Shaked, **Fig. 2**);

attaching the voice message notification to the addressed text message in said server (Shaked, **Fig. 2**); and

sending the addressed text message with said attached voice message notification to the recipient (Shaked, **Fig. 2**).

Regarding claim 7, the combination of Shaked, Cheng and Proux discloses all the limitations of claim 1.

Shaked also discloses receiving notification construction information by the client application from a server (Shaked, page 6, lines 26-28, “***The mail server creates an email message that includes the textual message of the MPM and the audio file of the MPM, as a voice attachment.***” It is implicit to a message having an attachment to notify the recipient that the attachment is included.);

attaching the voice message notification to the addressed text message in the client application using said notification construction information (Shaked, page 6, lines 26-28, “***The mail server creates an email message that includes the textual message of the MPM and the audio file of the MPM, as a voice attachment.***” It is implicit to a message having an attachment to notify the recipient that the attachment is included.); and

sending the addressed text message with the attached voice message notification to the recipient (Shaked, page 4, lines 16-17, “***The voice part is a voice file that appears as an attachment to the textual message.***” It is implicit to a message having an attachment to notify the recipient that the attachment is included.)

Regarding claim 8, the combination of Shaked, Cheng and Proux discloses all the limitations of claim 1.

Shaked also discloses recording said voice message on a server (Shaked, page 8, lines 27-29, “***The mail server obtains the recorded voice-message from the voice storage and converts it to a voice file.***”)

5. Claims 2-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Cheng (US 7,702,739) as applied to claim 1 above, and further in view of Proux (US 2007/0260456) and further in view of Blackburn (US 2007/0275739).

Regarding claim 2, the combination of Shaked, Cheng and Proux discloses all the limitations of claim 1.

However, the combination of Shake, Cheng and Proux fails to disclose obtaining an address of the recipient from an address book stored on the mobile device.

In an analogous field of endeavor, Blackburn discloses obtaining an address of the recipient from an address book stored on the mobile device (Blackburn, ¶ [0027], lines 8-10, “***The white list may be the address book that is stored on the SIM card or other memory means in the mobile device.***”)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine Blackburn with Shaked to provide a method and system for authorizing SMS messages on a mobile telephone that overcomes or alleviates one or more problems related to unsolicited or unwanted SMS messages (as suggested by Blackburn, see ¶ [0003]).

Regarding claim 3, the combination of Shake, Cheng, Proux and Blackburn discloses all the limitations of claim 2.

However, combination of Shake, Cheng, Proux and Blackburn fails to disclose the address stored in a memory storage means of the mobile device.

Blackburn also discloses the address stored in a memory storage means of the mobile device (Blackburn, ¶ [0027], lines 8-10, “***The white list may be the address book that is stored on the SIM card or other memory means in the mobile device.***”)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine Blackburn with Shaked to provide a method and system for authorizing SMS messages on a mobile telephone that overcomes or alleviates one or more problems related to unsolicited or unwanted SMS messages (as suggested by Blackburn, see ¶ [0003]).

Regarding claim 4, the combination of Shake, Cheng, Proux and Blackburn discloses all the limitations of claim 2.

However, combination of Shake, Cheng, Proux and Blackburn fails to disclose the address stored in a subscriber identity module of the mobile device.

Blackburn also discloses the address stored in a subscriber identity module of the mobile device (Blackburn, ¶ [0027], lines 8-10, “***The white list may be the address book that is stored on the SIM card or other memory means in the mobile device.***”)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine Blackburn with Shaked to provide a method and system for authorizing SMS messages on a mobile telephone that overcomes or

alleviates one or more problems related to unsolicited or unwanted SMS messages (as suggested by Blackburn, see ¶ [0003]).

6. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Cheng (US 7,702,739) as applied to claim 1 above and further in view of Proux (US 2007/0260456) and further in view of Martinez (US 2008/0008162).

Regarding claim 5, the combination of Shaked, Cheng and Proux discloses all the limitations of claim 1.

However, the combination of Shaked, Cheng and Proux fails to disclose obtaining addresses of recipients from a call history stored on the mobile device.

In an analogous field of endeavor, Martinez discloses obtaining addresses of recipients from a call history stored on the mobile device (Martinez, ¶ [0052], lines 1-5, ***“the interface allows a user to easily compose/send an instant message or initiate a call by selecting the recipient’s ID or username from the softphone contacts list or address/phone book 501, call history log, or IM chat history buffer.”***)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to add Martinez in the combination of Shaked, Cheng and Proux to provide functional convergence in communications technologies including IM, voice, and video (as suggested by Martinez, see ¶ [0015]).

7. **Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Cheng (US 7,702,739) as applied to claim 1 above, and further in view of Proux (US 2007/0260456) and further in view of Mizoguchi (US 2006/0172750).**

Regarding claim 9, the combination of Shaked, Cheng and Proux discloses all the limitations of claim 1.

However, the combination of Shaked, Cheng and Proux fails to disclose the voice message notification transmitted to a plurality of recipients.

In an analogous field of endeavor, Mizoguchi discloses voice message notification transmitted to a plurality of recipients (Mizoguchi, ¶ [0068], lines 12-16, ***“after notifying the plurality of recipients simultaneously of the SIP short message to the effect that the voice message was received, the server apparatus can send a real voice message to any one of the recipient terminals at its request.”***)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to add Mizoguchi in the combination of Shaked, Cheng and Proux to provide server apparatus connected to a plurality of terminals over a network to transmit the same message received from any one of the plurality of terminals to the other terminals as recipients (as suggested by Mizoguchi, see ¶ [0003]).

8. **Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Cheng (US 7,702,739) further in view of**

Proux (US 2007/0260456) further in view of Mizoguchi (US 2006/0172750) as applied to claim 9 above, and further in view of Han (US 5,872,925).

Regarding claim 10, the combination of Shaked, Cheng, Proux and Mizoguchi discloses all the limitations of claim 9.

However, the combination of Shaked, Cheng, Proux and Mizoguchi fails to disclose the plurality of recipients provided with a group reply option to each of the plurality of recipients upon receiving the voice message notification and the text message.

In an analogous field of endeavor, Han discloses a group reply option to each of the plurality of recipients upon receiving the voice message notification and the text message (Han, col. 1, lines 65-67, “***it is often possible for the recipient to also send a reply to all members addressed by the original message.***”)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to add Han in the combination of Shaked, Cheng, Proux and Mizoguchi to block a “Reply To All” command for received messages in an electronic mail system (as suggested by Han, see col. 1)

9. Claims 11-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Blackburn (US 2007/0275739).

Regarding claim 11, Shaked discloses a system for voice short message service messaging, comprising:

a client application on a mobile device (Shaked, Fig. 2), wherein
the client application integrates voice content to a text message (Shaked, page 4, lines 16-17, “***The voice part is a voice file that appears as an attachment to the textual message***”)

created by a user using methods of recipient addressing as used by text short message service messaging (Shaked, page 4, lines 16-17, “***The voice part is a voice file that appears as an attachment to the textual message***”);

a user interface on the mobile device for said user to input voice messages (Shaked, in the spirit of claim 16, “***recording a voice message***”) and text messages (Shaked, page 1, lines 29, “***SMS allows the creation of text messages ... on mobile handsets.***”); and

a server for remotely storing said voice messages of the user (Shaked, page 6, line 15, “***The voice storage is a high-speed storage device that handles all voice related storage activities.***” and

for transmitting a voice message notification with an addressed text message to said recipients (Shaked, page 4, lines 16-17, “***The voice part is a voice file that appears as an attachment to the textual message.***” It is implicit to a text message having an attachment to notify the recipient that the attachment is included.)

However, Shaked fails to disclose a memory storage means on said mobile device for storing a list of addresses of recipients.

In an analogous field of endeavor, Blackburn discloses a memory storage means on said mobile device for storing a list of addresses of recipients (Blackburn, ¶ [0027],

lines 8-10, “***The white list may be the address book that is stored on the SIM card or other memory means in the mobile device.***”)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine Blackburn with Shaked to provide a method and system for authorizing SMS messages on a mobile telephone that overcomes or alleviates one or more problems related to unsolicited or unwanted SMS messages (as suggested by Blackburn, see ¶ [0003]).

Regarding claim 12, the combination of Shaked and Blackburn discloses all the limitations of claim 11.

Shaked also discloses the server comprising a first server for storing the voice messages of the user (Shaked, **Fig. 2**).

Regarding claim 13, the combination of Shaked and Blackburn discloses all the limitations of claim 11.

Shaked also discloses the server comprising a second server for transmitting said voice message notification with said addressed text message to the recipients.

Regarding claim 14, the combination of Shaked and Blackburn discloses all the limitations of claim 11.

Shaked discloses the client application transmitting one of a text message, a voice message, and a combination thereof (Shaked, page 1, line 29, “***SMS allows the creation of text messages ... on mobile handsets***”; page 3, lines 29-30, “***to create email compatible messages comprised of multimedia attachment and an optional***

text message"; page 5, lines 7-8, "**these messages, which may be combinations of text, voice and image data**").

Regarding claim 15, the combination of Shaked and Blackburn discloses all the limitations of claim 11.

Shaked also discloses the client application provided on an operating system of the mobile device (Shaked, Page 3, line 5, "**a multi part message is composed over the mobile station.**")

10. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Blackburn (US 2007/0275739) as applied to claim 11 above, and further in view of Sambin (US 2004/0106413).

Regarding claim 16, the combination of Shaked and Blackburn discloses all the limitations of claim 11.

However, the combination of Shaked and Blackburn fails to disclose the client application provided on a subscriber identity module of the mobile device.

In an analogous field of endeavor, Sambin discloses the client application provided on a subscriber identity module of the mobile device (Sambin, ¶ [0050], lines 1-2, "**The application installed on the SIM card generates SMS messages.**")

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to add Sambin in the combination of Shaked and Blackburn to provide cellular mobile telephone location data (as suggested by Sambin, see ¶ [0001]).

11. Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Blackburn (US 2007/0275739) further in view of Cheng (US 7,702,739) and further in view of Proux (US 2007/0260456).

Regarding claim 17, Shaked discloses a computer program product comprising computer executable instructions embodied in a computer-readable medium, said computer program product including:

a first computer parsable program code for creating a text message by a user on a mobile device (Shaked, page 1, lines 29, “***SMS allows the creation of text messages ... on mobile handsets.***”);

a second computer parsable program code for addressing said text message to a recipient (Shaked, page 4, lines 5-6, “***The subscriber also enters the recipient’s e-mail address.***”);

a third computer parsable program code for integrating voice content to the text message (Shaked, page 4, lines 16-17, “***The voice part is a voice file that appears as an attachment to the textual message***”)

using methods of recipient addressing as used by text short message service messaging (Shaked, page 4, lines 5-6, “***The subscriber also enters the recipient’s e-mail address.***”), further comprising:

a sixth computer parsable program code for transmitting a voice message notification with the addressed text message to said recipient (Shaked, page 4, lines 16-17, “***The voice part is a voice file that appears as an attachment to the textual***

message." It is implicit to a text message having an attachment to notify the recipient that the attachment is included.)

However, Shaked fails to disclose using an address stored on said mobile device, a fourth computer parsable program code for intercepting said addressed text message and a fifth computer parsable program code for prompting said user to include a voice message with the addressed text message.

In an analogous field of endeavor, Blackburn discloses using an address stored on said mobile device (Blackburn, ¶ [0027], lines 8-10, "***The white list may be the address book that is stored on the SIM card or other memory means in the mobile device.***")

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to combine Blackburn with Shaked to provide a method and system for authorizing SMS messages on a mobile telephone that overcomes or alleviates one or more problems related to unsolicited or unwanted SMS messages (as suggested by Blackburn, see ¶ [0003]).

In an analogous field of endeavor, Cheng discloses intercepting the addressed text message by said client application (Cheng, col. 42, lines 39-41, "***Some operating systems allow a client application to intercept an SMS message so we can have an agent that is constantly looking for an SMS message.***")

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to add Cheng in the combination of Shaked and Blackburn to

provide efficient and transactional messaging between client and server applications over multiple intermittent networks (as suggested by Cheng, see col. 1).

However, the combination of Shaked, Blackburn and Cheng fails to disclose prompting the user to include a voice message with the addressed text message.

In an analogous field of endeavor, Proux discloses prompting the user to include a voice message with the addressed text message (Proux, ¶ [0006], lines 6-7, ***“prompting a user ... to input a voice message”***).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to add Proux in the combination of Shaked, Blackburn and Cheng to provide a textual representation of a voice message to a communication device (as suggested by Proux, see ¶ [0006]).

Conclusion

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

- a) McGary (US 2007/0123280).
- b) Ruf (US 7,013,155).

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARISOL FAHNERT whose telephone number is (571)270-7512. The examiner can normally be reached on MON-FRI 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, RAFAEL PEREZ-GUTIERREZ can be reached on 571-272-7915. The fax

Art Unit: 2617

phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Rafael Pérez-Gutiérrez/
Supervisory Patent Examiner, Art Unit 2617

/MARISOL FAHNERT/
Examiner, Art Unit 2617

<i>Index of Claims</i> 	Application/Control No. 12056300	Applicant(s)/Patent Under Reexamination ANDERL ET AL.
	Examiner MARISOL FAHNERT	Art Unit 2617

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant			☐ CPA			☐ T.D.			☐ R.1.47		
CLAIM		DATE									
Final	Original	03/09/2011									
	1	✓									
	2	✓									
	3	✓									
	4	✓									
	5	✓									
	6	✓									
	7	✓									
	8	✓									
	9	✓									
	10	✓									
	11	✓									
	12	✓									
	13	✓									
	14	✓									
	15	✓									
	16	✓									
	17	✓									

Search Notes 	Application/Control No. 12056300	Applicant(s)/Patent Under Reexamination ANDERL ET AL.
	Examiner MARISOL FAHNERT	Art Unit 2617

SEARCHED			
Class	Subclass	Date	Examiner
455	413, 412.1, 412.2, 466,	3/9/2011	/MF/
379	88.12, 88.13, 88.18, 88.25, 88.26	3/9/2011	MF/

SEARCH NOTES		
Search Notes	Date	Examiner
INVENTOR-ASSIGNEE	3/9/2011	/MF/
EAST SEARCH (US-PGPUB, USPAT, PFRS, EPO, JPO, DERWENT, IBM_TDB	3/9/2011	/MF/

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

	/MARISOL FAHNERT/ Examiner.Art Unit 2617
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number	12056300
Filing Date	2008-03-27
First Named Inventor	Ewald C. Anderl
Art Unit	2617
Examiner Name	Bost, Dwane D
Attorney Docket Number	KIRU-02-US

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S. PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20050286689	A1	2005-12-29	Petri Vuori	

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² j	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	02/49319	IL	A2	2002-06-20	Xcitel Ltd.		☐
	2	2005/062976	US	A2	2005-07-14	Kirusa Inc.		☐
	3	01/13656	EP	A1	2001-02-22	Telefonaktiebolaget LM Ericsson		☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		12056300	12056300 - GAU: 2617
	Filing Date		2008-03-27	
	First Named Inventor	Ewald C. Anderl		
	Art Unit	2617		
	Examiner Name	Bost, Dwane D		
	Attorney Docket Number	KIRU-02-US		

If you wish to add additional Foreign Patent Document citation information please click the Add button				Add
NON-PATENT LITERATURE DOCUMENTS				Remove
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.		T ⁵
	1			☐
If you wish to add additional non-patent literature document citation information please click the Add button				Add
EXAMINER SIGNATURE				
Examiner Signature	/Marisol Fahnert/		Date Considered	03/07/2011
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.				
¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.				

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875					Application or Docket Number 12/056,300		Filing Date 03/27/2008		☐ To be Mailed	
APPLICATION AS FILED – PART I										
(Column 1)			(Column 2)		SMALL ENTITY ☒ OR		OTHER THAN SMALL ENTITY			
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A		N/A		N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A		N/A		N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A		N/A		N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X \$	=	OR	X \$	=	X \$	=	X \$
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X \$	=	OR	X \$	=	X \$	=	X \$
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				OR					
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					OR					
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL		OR	TOTAL		TOTAL		TOTAL
APPLICATION AS AMENDED – PART II										
(Column 1)			(Column 2)		(Column 3)		SMALL ENTITY OR		OTHER THAN SMALL ENTITY	
AMENDMENT	09/21/2011	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	+ 16	Minus	** 20	=	0	OR	X \$	=	X \$
	Independent (37 CFR 1.16(h))	+ 3	Minus	*** 3	=	0	OR	X \$	=	X \$
	☐ Application Size Fee (37 CFR 1.16(s))						OR			
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR			
					TOTAL ADD'L FEE	0	OR	TOTAL ADD'L FEE		
(Column 1)			(Column 2)		(Column 3)		SMALL ENTITY OR		OTHER THAN SMALL ENTITY	
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	+	Minus	**	=		OR	X \$	=	X \$
	Independent (37 CFR 1.16(h))	+	Minus	***	=		OR	X \$	=	X \$
	☐ Application Size Fee (37 CFR 1.16(s))						OR			
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						OR			
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE		
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.										

Legal Instrument Examiner:
/BRENDA WEBB/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Amendments to the Claims

Claim 1 (currently amended): A method for voice short message service messaging, comprising the steps of:

providing a client application on a mobile device;

creating a text message by a user on said mobile device;

addressing said text message to a recipient;

integrating voice content to the text message using methods of recipient addressing as used by text short message service messaging, comprising the steps of:

intercepting said addressed text message by said client application;

prompting said user to include a voice message with the addressed text message; [[and]]

connecting the user to a server, wherein said server records and stores said user's voice message; and

transmitting a voice message notification with the addressed text message to said recipient by said client application; and

using said voice message notification by said recipient to access and listen to said voice message stored in said server.

Claim 2 (original): The method of claim 1, wherein said step of addressing comprises obtaining an address of the recipient from an address book stored on the mobile device.

Claim 3 (original): The method of claim 2, wherein said address is stored in a memory storage means of the mobile device.

Claim 4 (original): The method of claim 2, wherein said address is stored in a subscriber identity module of the mobile device.

Claim 5 (original): The method of claim 1, wherein said step of addressing comprises obtaining addresses of recipients from a call history stored on the mobile device.

Claim 6 (original): The method of claim 1, wherein said step of transmitting said voice message notification further comprises the steps of:

forwarding the addressed text message to a server;

attaching the voice message notification to the addressed text message in said server; and

sending the addressed text message with said attached voice message notification to the recipient.

Claim 7 (original): The method of claim 1, wherein said step of transmitting said voice message notification further comprises the steps of:

receiving notification construction information by the client application from a server;

attaching the voice message notification to the addressed text message in the client application using said notification construction information; and

sending the addressed text message with said attached voice message notification to the recipient.

Claim 8 (canceled).

Claim 9 (original): The method of claim 1, wherein said voice message notification is transmitted to a plurality of recipients.

Claim 10 (original): The method of claim 9, wherein said plurality of recipients are provided with a group reply option to each of the plurality of recipients upon receiving the voice message notification and the text message.

Claim 11 (currently amended): A system for voice short message service messaging, comprising:

a client application on a mobile device, wherein said client application integrates voice content to a text message created by a user using methods of recipient addressing as used by text short message service messaging;

a memory storage means on said mobile device for storing a list of addresses of recipients;

a user interface on the mobile device for said user to input voice messages and text messages; and

a server for remotely recording and storing said voice messages of the user, wherein said server is configured to provide access to said recipient for listening to said recorded voice message; and

said client application for transmitting a voice message notification with an addressed text message to said recipients.

Claim 12 (original): The system of claim 11, wherein said server comprises a first server for storing the voice messages of the user.

Claim 13 (original): The system of claim 11, wherein said server comprises a second server for transmitting said voice message notification with said addressed text message to the recipients.

Claim 14 (original): The system of claim 11, wherein the client application transmits one of a text message, a voice message, and a combination thereof.

Claim 15 (original): The system of claim 11, wherein the client application is provided on an operating system of the mobile device.

Claim 16 (original): The system of claim 11, wherein the client application is provided on a subscriber identity module of the mobile device.

Claim 17 (currently amended): A computer program product comprising computer executable instructions embodied in a non-transitory computer-readable medium, said computer program product including:

a first computer parsable program code for creating a text message by a user on a mobile device;

a second computer parsable program code for addressing said text message to a recipient using an address stored on said mobile device;

a third computer parsable program code for integrating voice content to the text message using methods of recipient addressing as used by text short message service messaging, further comprising:

a fourth computer parsable program code for intercepting said addressed text message;

a fifth computer parsable program code for prompting said user to include a voice message with the addressed text message; and

a sixth computer parsable program code for connecting the user to a server, wherein said server records and stores said user's voice message; and

a ~~sixth~~ seventh computer parsable program code for transmitting a voice message notification with the addressed text message to said recipient;

an eighth computer parsable program code for providing access to said server for listening to said recorded voice message.

Electronic Acknowledgement Receipt

EFS ID:	11008393
Application Number:	12056300
International Application Number:	
Confirmation Number:	9331
Title of Invention:	Addressing Voice SMS Messages
First Named Inventor/Applicant Name:	Ewald C. Anderl
Correspondence Address:	Ashok Tankha - 36 Greenleigh Drive - Sewell NJ 08080 US 856-266-5145 ash@ipprocure.com
Filer:	Ashok Tankha
Filer Authorized By:	
Attorney Docket Number:	KIRU-02-US
Receipt Date:	21-SEP-2011
Filing Date:	27-MAR-2008
Time Stamp:	23:13:32
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 555

RAM confirmation Number		18885			
Deposit Account		503291			
Authorized User		TANKHA,ASHOK			
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)					
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	Kiru-02-US_Transmittal.pdf	269068	no	1
			3d2cd946235b72322c58a4bab99ef6756ec04b6d		
Warnings:					
Information:					
2	Amendment/Req. Reconsideration-After Non-Final Reject	Kiru-02-US_Response.pdf	82435	no	19
			75d8f0cb5773166c82433387eb433d15e301db52		
Warnings:					
Information:					
3	Extension of Time	Kiru-02-US_Time_Extension.pdf	318638	no	1
			2952c509f05aa41f44c81dced4e6b5c392fd4166		
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	29666	no	2
			b34eaed02c7f68bf9855e9849f1cb4b38cd43e25		
Warnings:					
Information:					
Total Files Size (in bytes):			699807		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Electronic Patent Application Fee Transmittal				
Application Number:		12056300		
Filing Date:		27-Mar-2008		
Title of Invention:		Addressing Voice SMS Messages		
First Named Inventor/Applicant Name:		Ewald C. Anderl		
Filer:		Ashok Tankha		
Attorney Docket Number:		KIRU-02-US		
Filed as Small Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 3 months with \$0 paid	2253	1	555	555

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				555

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:

Application No.: 12/056,300

Filed: 03/27/2008

Applicant: Ewald C. Anderl

Examiner: Fahnert, Marisol

Art Unit: 2617

Docket No.: Kiru-02-US

Title: Addressing Voice SMS Messages

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Amendment in Response to Office Action

Examiner Fahnert:

In response to the office action dated March 21, 2011, please amend the above-referenced application as follows:

Amendments to the Claims: Amendments to the claims are listed in page 2 of this response.

Remarks begin on page 6 of this response.

Attachments:

1. Transmittal Form, PTO/SB/21;
2. Petition for time extension by 3 months, Form PTO/SB/22;
3. Payment of the following fees by credit card:
-\$555 towards time extension of 3 months.

The Director is hereby authorized to charge any underpayment of fee, or any other fee that may be required to deposit account # 503291.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	12/056,300
	Filing Date	03/27/2008
	First Named Inventor	Ewald C. Anderl
	Art Unit	2617
	Examiner Name	Fahnert, Marisol
Total Number of Pages in This Submission	Attorney Docket Number	Kiru-02-US

ENCLOSURES (Check all that apply)		
☐ Fee Transmittal Form ☐ Fee Attached ☒ Amendment/Reply ☐ After Final ☐ Affidavits/declaration(s) ☒ Extension of Time Request ☐ Express Abandonment Request ☐ Information Disclosure Statement ☐ Certified Copy of Priority Document(s) ☐ Reply to Missing Parts/ Incomplete Application ☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53	☐ Drawing(s) ☐ Licensing-related Papers ☐ Petition ☐ Petition to Convert to a Provisional Application ☐ Power of Attorney, Revocation Change of Correspondence Address ☐ Terminal Disclaimer ☐ Request for Refund ☐ CD, Number of CD(s) _____ ☐ Landscape Table on CD	☐ After Allowance Communication to TC ☐ Appeal Communication to Board of Appeals and Interferences ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) ☐ Proprietary Information ☐ Status Letter ☐ Other Enclosure(s) (please identify below):
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name			
Signature	/a tankha/		
Printed name	Ashok Tankha		
Date	Sept 22, 2011	Reg. No.	33802

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a) FY 2009 <i>(Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).)</i>	Docket Number (Optional) Kiru-02-US																								
Application Number 12/056,300	Filed 03/27/2008																								
For Addressing Voice SMS Messages																									
Art Unit 2617	Examiner Fahnert, Marisol																								
This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application. The requested extension and fee are as follows (check time period desired and enter the appropriate fee below): <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 15%; text-align: center;"><u>Fee</u></th> <th style="width: 15%; text-align: center;"><u>Small Entity Fee</u></th> <th style="width: 30%;"></th> </tr> </thead> <tbody> <tr> <td>☐ One month (37 CFR 1.17(a)(1))</td> <td style="text-align: center;">\$130</td> <td style="text-align: center;">\$65</td> <td style="text-align: center;">\$ _____</td> </tr> <tr> <td>☐ Two months (37 CFR 1.17(a)(2))</td> <td style="text-align: center;">\$490</td> <td style="text-align: center;">\$245</td> <td style="text-align: center;">\$ _____</td> </tr> <tr> <td>☒ Three months (37 CFR 1.17(a)(3))</td> <td style="text-align: center;">\$1110</td> <td style="text-align: center;">\$555</td> <td style="text-align: center;">\$ <u>555</u></td> </tr> <tr> <td>☐ Four months (37 CFR 1.17(a)(4))</td> <td style="text-align: center;">\$1730</td> <td style="text-align: center;">\$865</td> <td style="text-align: center;">\$ _____</td> </tr> <tr> <td>☐ Five months (37 CFR 1.17(a)(5))</td> <td style="text-align: center;">\$2350</td> <td style="text-align: center;">\$1175</td> <td style="text-align: center;">\$ _____</td> </tr> </tbody> </table> ☒ Applicant claims small entity status. See 37 CFR 1.27. ☐ A check in the amount of the fee is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director has already been authorized to charge fees in this application to a Deposit Account. ☒ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number <u>503291</u>. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. I am the ☐ applicant/inventor. ☐ assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed (Form PTO/SB/96). ☒ attorney or agent of record. Registration Number <u>33802</u> ☐ attorney or agent under 37 CFR 1.34. Registration number if acting under 37 CFR 1.34 _____ <u>/a tankha/</u> _____ Signature <u>Ashok Tankha</u> _____ Typed or printed name <u>Sept 22, 2011</u> _____ Date <u>856-266-5145</u> _____ Telephone Number			<u>Fee</u>	<u>Small Entity Fee</u>		☐ One month (37 CFR 1.17(a)(1))	\$130	\$65	\$ _____	☐ Two months (37 CFR 1.17(a)(2))	\$490	\$245	\$ _____	☒ Three months (37 CFR 1.17(a)(3))	\$1110	\$555	\$ <u>555</u>	☐ Four months (37 CFR 1.17(a)(4))	\$1730	\$865	\$ _____	☐ Five months (37 CFR 1.17(a)(5))	\$2350	\$1175	\$ _____
	<u>Fee</u>	<u>Small Entity Fee</u>																							
☐ One month (37 CFR 1.17(a)(1))	\$130	\$65	\$ _____																						
☐ Two months (37 CFR 1.17(a)(2))	\$490	\$245	\$ _____																						
☒ Three months (37 CFR 1.17(a)(3))	\$1110	\$555	\$ <u>555</u>																						
☐ Four months (37 CFR 1.17(a)(4))	\$1730	\$865	\$ _____																						
☐ Five months (37 CFR 1.17(a)(5))	\$2350	\$1175	\$ _____																						
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below. ☐ Total of _____ forms are submitted.																									

This collection of information is required by 37 CFR 1.136(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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Remarks

The Present invention and the Pending Claims

This invention relates generally to sending and receiving short messages between wireless telephony user, and more specifically short message service (SMS) messaging using standard methods of recipient addressing as used by text SMS messaging.

Claims 1 – 17 are currently pending. Reconsideration and allowance of the pending claims is respectfully requested.

Summary of the Office Action

Claim Rejections

Claim 17 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claims 1 and 6-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Cheng (US 7,702,739) further in view of Proux (US 2007/0260456).

Claims 2-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Cheng (US 7,702,739) as applied to claim 1 above, and further in view of Proux (US 2007/0260456) and further in view of Blackburn (US 2007/0275739).

Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Cheng (US 7,702,739) as applied to claim 1 above and further in view of Proux (US 2007/0260456) and further in view of Martinez (US 2008/0008162).

Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Cheng (US 7,702,739) as applied to claim 1 above, and further in view of Proux (US 2007/0260456) and further in view of Mizoguchi (US 2006/0172750).

Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Cheng (US 7,702,739) further in view of Proux (US 2007/0260456) further in view of Mizoguchi (US 2006/0172750) as applied to claim 9 above, and further in view of Han (US 5,872,925).

Claims 11-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Blackburn (US 2007/0275739).

Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Blackburn (US 2007/0275739) as applied to claim 11 above, and further in view of Sambin (US 2004/0106413).

Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Blackburn (US 2007/0275739) further in view of Cheng (US 7,702,739) and further in view of Proux (US 2007/0260456).

Amendments to the Claims

Claims 1 and 17 are currently amended.

Claim 8 is canceled.

Support for amendments “connecting the user to a server, wherein said server records and stores said user’s voice message” in claims 1 and 17, and “a server for remotely recording and storing said voice messages of the user” in claim 11 is found in page 6, lines 8-10, and throughout the specification of the applicant’s original application filed March 27, 2008.

Support for the amendments: “using said voice message notification by said recipient to access and listen to said voice message stored in said server” in claim 1; “wherein said server is configured to provide access to said recipient for listening to said recorded voice message” in claim 11; and “an eighth computer parsable program code for providing access to said server to listen to said recorded voice message” in claim 17 is found in page 8, lines 20-26 of the applicant’s specification.

The office action states that: **“Claim 17 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.”**

In response to rejection of claim 17 under 35 U.S.C. 101, applicant has amended claim 17 to recite “*non-transitory computer readable medium*”. Therefore, applicant submits that amended claim 17 is now directed towards statutory subject matter. Accordingly, applicant requests that the rejection of claim 17 under 35 U.S.C. 101 be withdrawn.

The office action further states: **“Claims 1 and 6-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Cheng (US 7,702,739) further in view of Proux (US 2007/0260456).”**

In response to rejection of claims 1 and 6-8 under 35 U.S.C. 103(a), applicant submits that Shaked, in view of Cheng, further in view of Proux, does not teach or suggest all the limitations in claim 1. Applicant discloses a method for voice short message service messaging, wherein a client application is provided on a mobile device. A user creates a text SMS using the user interface provided on the mobile device. The user addresses the text message to specific recipients using standard methods for addressing text SMS. To add voice content to the text SMS, the client application intercepts the text SMS and prompts the user to add voice content to the text SMS. Thereafter, the user is connected to a server. The server records and stores the user’s voice message. **The client application transmits a voice message notification with the text SMS to the recipient. The recipients on receiving the text SMS message use the**

information in the voice message notification to connect to the server and access the voice message. Thereafter, the recipient listens to the user's voice message stored on the server (see pages 5 through 7; page 8, lines 20-26; FIGS. **2A -2B**, of the applicant's original application). Shaked, Cheng and Proux do not provide a client application for transmitting a voice message notification with a text SMS. Furthermore, Shaked, Cheng and Proux also do not disclose that a recipient of the text SMS comprising the voice message notification can access and listen to the voice message stored in the server.

In contrast, Shaked discloses, *inter alia*, a method for **enabling users to create email compatible messages** called multi-part-messages (MPMs). A **MPM comprises multimedia attachments** and an optional text message (see Shaked, page 5, lines 3-8). The subscriber composes and adds the recipient's email address at the beginning of the message. Next, the subscriber dials to an **application server that connects to a mail server and converts the MPM to an email**. Furthermore, **the text part of the e-mail message is converted from SMS message to an email message** (see Shaked, page 4, lines 3 through 19). Also, in contrast, Proux discloses, *inter alia*, a method for **textual representation of voice message by converting the input voice message to phonemes** (see Proux, Abstract). Accordingly, Shaked in view of Cheng, further in view of Proux does not teach or suggest the following limitation in claim 1:

“transmitting a voice message notification with the addressed text message to said recipient by said client application” and

“using said voice message notification by said recipient to access and listen to said voice message stored in said server”.

Therefore, even if Shaked and Cheng in view of Proux are combined as suggested in the office action, there is no reasonable expectation of success in arriving at the invention claimed in claim 1. For the reasons presented above, applicant respectfully submits that claim 1 is not obvious over Shaked and Cheng in view of Proux and accordingly requests the rejection of claim 1 be withdrawn.

Claim 6 recites the steps of “attaching the **voice message notification** to the addressed text message in said server” and “**sending the addressed text message with the attached voice message notification** to the recipient” (see page 6, lines 13-31; page 8, lines 20-26; and the entire specification of the applicant’s disclosure). Accordingly, it can be inferred that a voice notification message is not voice message. Instead, a voice notification message provides a text notification of the availability of a voice message in a server (see page 8, lines 20-26 of the applicant’s disclosure). FIG. 2, the corresponding description and the entire specification of Shaked does not teach or suggest the above limitations. In contrast, Shaked discloses **sending an email with a voice attachment** (see Shaked, page 6, line 25 – page 7, line 6). Accordingly, applicant submits that Shaked in view of Cheng, further in view of Proux does not teach or suggest the following limitations in claim 6:

“attaching the voice message notification to the addressed text message in said server” and

sending the addressed text message with said attached voice message notification to the recipient”.

Therefore, even if Shaked and Cheng in view of Proux are combined as suggested in the office action, there is no reasonable expectation of success in arriving at the invention claimed in claim 6. For the reasons presented above, applicant respectfully submits that claim 6 is not obvious over Shaked and Cheng in view of Proux and accordingly requests the rejection of claim 6 be withdrawn.

Claim 7 recites the steps of: “receiving **notification construction information** by the client application from a server”, “**attaching the voice message notification to the addressed text message** in the client application **using said notification construction information**” and “**sending the addressed text message with said attached voice message notification** to the recipient”. As discussed above, the voice notification

message disclosed by the applicant is not a voice message. Instead, a voice notification message contains text which notifies the recipient regarding the availability of a voice message in a server (see page 8, lines 20-26 of the applicant's disclosure). In contrast to the above limitations, the office action referenced sections of Shaked (page 6, lines 26-28 and page 4, lines 16-17) disclose **a multi-part message having an audio file as a voice attachment**. Accordingly, Shaked in view of Cheng, further in view of Proux does not teach or suggest the following limitations of claim 7:

“receiving notification construction information by the client application from a server”;

“attaching the voice message notification to the addressed text message in the client application using said notification construction information” and

“sending the addressed text message with said attached voice message notification to the recipient”.

For the reasons stated above, applicant respectfully submits that even if Shaked, Cheng and Proux are combined as suggested in the office action, there is no reasonable expectation of success in arriving at the invention claimed in claim 7. For the reasons presented above, applicant respectfully submits that claim 7 is not obvious over Shaked and Cheng in view of Proux and accordingly requests the rejection of claim 7 be withdrawn.

Therefore, applicant submits that claims 1, 6 and 7 are not obvious over Shaked in view of Cheng, further in view of Proux, and accordingly requests that the rejection of claims 1, 6 and 7 be withdrawn.

Claim 8 is canceled. Therefore, applicant submits that rejection of claim 8 as being obvious over Shaked in view of Cheng, further in view of Proux is moot.

The office action further states: **“Claims 2-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Cheng (US 7,702,739) as applied to claim 1 above, and further in view of Proux (US 2007/0260456) and further in view of Blackburn (US 2007/0275739).”**

In response to the above rejection, applicant submits that Shaked in view of Cheng, and further in view of Proux, and further in view of Blackburn does not teach or suggest the following limitations in claim 1:

“transmitting a voice message notification with the addressed text message to said recipient by said client application” and

“using said voice message notification by said recipient to access and listen to said voice message stored in said server”.

Therefore, even if Shaked and Cheng in view of Proux and Blackburn are combined, there is no reasonable expectation of success in arriving at the invention claimed in claim 1. For the reasons presented above, applicant respectfully submits that claim 1 is not obvious over Shaked and Cheng in view of Proux and Blackburn.

Claim 2 is dependent on claim 1 and claims 3 and 4 are dependent on claim 2. Since claim 1 is not obvious over Shaked in view of Cheng, further in view of Proux, and further in view of Blackburn, dependent claims 2-4 are also not obvious over Shaked in view of Cheng, further in view of Proux, and further in view of Blackburn. Therefore, applicant respectfully requests that the rejection of claims 2-4 be withdrawn.

The office action further states: **“Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Cheng (US 7,702,739) as applied to claim 1 above and further in view of Proux (US 2007/0260456) and further in view of Martinez (US 2008/0008162).”**

In response to the above rejection, applicant submits that Shaked in view of Cheng, further in view of Proux, and further in view of Martinez does not teach or suggest the following limitations in claim 1:

“transmitting a voice message notification with the addressed text message to said recipient by said client application” and

“using said voice message notification by said recipient to access and listen to said voice message stored in said server”.

Therefore, even if Shaked and Cheng in view of Proux and further in view of Martinez are, there is no reasonable expectation of success in arriving at the invention claimed in claim 1. For the reasons presented above, applicant respectfully submits that claim 1 is not obvious over Shaked and Cheng in view of Proux and further in view of Martinez.

Claim 5 is dependent on claim 1. Since claim 1 is not obvious over Shaked, in view of Cheng, further in view of Proux, and further in view of Martinez, dependent claim 5 is also not obvious over Shaked, in view of Cheng, further in view of Proux, and further in view of Martinez. Therefore, applicant respectfully requests that the rejection of claim 5 be withdrawn.

The office action further states: **“Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Cheng (US 7,702,739) as applied to claim 1 above, and further in view of Proux (US 2007/0260456) and further in view of Mizoguchi (US 2006/01 72750).”**

In response to the above rejection, applicant submits that Shaked in view of Cheng, further in view of Proux, and further in view of Mizoguchi does not teach or suggest the following limitations in claim 1:

“transmitting a voice message notification with the addressed text message to said recipient by said client application” and

“using said voice message notification by said recipient to access and listen to said voice message stored in said server”.

Therefore, even if Shaked and Cheng in view of Proux and further in view of Mizoguchi are combined, there is no reasonable expectation of success in arriving at the invention claimed in claim 1. For the reasons presented above, applicant respectfully submits that claim 1 is not obvious over Shaked and Cheng in view of Proux and further in view of Mizoguchi.

Claim 9 is dependent on claim 1. Since claim 1 is not obvious over Shaked, in view of Cheng, further in view of Proux, and further in view of Mizoguchi, dependent claim 9 is also not obvious over Shaked, in view of Cheng, further in view of Proux, and further in view of Mizoguchi. Therefore, applicant respectfully requests that the rejection of claim 9 be withdrawn.

The office action further states: **“Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Cheng (US 7,702,739) further in view of Proux (US 2007/0260456) further in view of Mizoguchi (US 2006/0172750) as applied to claim 9 above, and further in view of Han (US 5,872,925).”**

In response to the above rejection, applicant submits that Shaked in view of Cheng, further in view of Proux, further in view of Mizoguchi, and further in view of Han does not teach or suggest the following limitations in claim 1:

“transmitting a voice message notification with the addressed text message to said recipient by said client application” and

“using said voice message notification by said recipient to access and listen to said voice message stored in said server”.

Therefore, even if Shaked and Cheng in view of Proux and further in view of Mizoguchi and further in view of Han, there is no reasonable expectation of success in arriving at the invention claimed in claim 1. For the reasons presented above, applicant respectfully submits that claim 1 is not obvious over Shaked and Cheng in view of Proux and further in view of Mizoguchi and further in view of Han.

Therefore, claim 1 is not obvious over Shaked in view of Cheng, further in view of Proux, further in view of Mizoguchi, and further in view of Han.

Claim 10 is dependent on claim 1. Since claim 1 is not obvious over Shaked in view of Cheng, further in view of Proux, further in view of Mizoguchi, and further in view of Han, dependent claim 10 is also not obvious over Shaked, in view of Cheng, further in view of Proux, further in view of Mizoguchi, and further in view of Han. Therefore, applicant respectfully requests that the rejection of claim 10 be withdrawn

The office action further states: **“Claims 11-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Blackburn (US 2007/0275739).”**

In response to the above rejection, applicant submits that Shaked in view of Blackburn does not teach or suggest all the limitations of claim 11. The arguments submitted in part to establish non-obviousness of claim 1 over Shaked, are equally applicable to establish non-obviousness of claim 11 over Shaked in view of Blackburn. Accordingly, Shaked in view of Blackburn does not teach or suggest the following limitations in claim 11:

“a server for remotely recording and storing said voice messages of the user, wherein said server is configured to provide access to said recipient for listening to said recorded voice message” and

“said client application for transmitting a voice message notification with an addressed text message to said recipients”.

Therefore, even if Shaked in view of Blackburn are combined as suggested in the office action, there is no reasonable expectation of success in arriving at the invention claimed in claim 11. For the reasons presented above, applicant respectfully submits that claim 11 is not obvious over Shaked in view of Blackburn and accordingly requests the rejection of claim 11 be withdrawn.

Claims 12-15 are dependent on claim 11. Since claim 11 is not obvious over Shaked in view of Blackburn, applicant respectfully submits that dependent claims 12-15 are also not obvious over Shaked in view of Blackburn, and accordingly requests that the rejection of claim 11 be withdrawn.

The office action further states: **“Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Blackburn (US 2007/0275739) as applied to claim 11 above, and further in view of Sambin (US 2004/0106413).”**

In response to the above rejection, applicant submits that Shaked in view of Blackburn, and further in view of Sambin does not teach or suggest the following limitations in claim 11:

“a server for remotely recording and storing said voice messages of the user, wherein said server is configured to provide access to said recipient for listening to said recorded voice message” and

“said client application for transmitting a voice message notification with an addressed text message to said recipients”.

Therefore, even if Shaked in view of Blackburn and further in view of Sambin are combined, there is no reasonable expectation of success in arriving at the invention claimed in claim 11. For the reasons presented above, applicant respectfully submits that claim 11 is not obvious over Shaked in view of Blackburn and further in view of Sambin.

Claim 16 is dependent on claim 11. Since claim 11 is not obvious over Shaked in view of Blackburn, and further in view of Sambin, applicant respectfully submits that dependent claim 16 is also not obvious over Shaked in view of Blackburn, and further in view of Sambin. Accordingly, applicant requests that the rejection of claim 16 be withdrawn.

The office action further states: **“Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over Shaked (WO 2003/024069) in view of Blackburn (US 2007/0275739) further in view of Cheng (US 7,702,739) and further in view of Proux (US 2007/0260456).”**

In response to the rejection of claim 17 under 35 U.S.C. 103(a), applicant submits that the arguments submitted in part for the non-obviousness of the claim 1 over Shaked, in view of Blackburn, further in view of Cheng, are applicable to the non-obviousness of the claims over Proux. Proux does not teach or suggest the following limitations in claim 17:

“an eighth computer parsable program code for providing access to said server for listening to said recorded voice message”.

Therefore, even if Shaked in view of Blackburn and further in view of Cheng and further in view of Proux are combined as suggested in the office action, there is no reasonable expectation of success in arriving at the invention claimed in claim 17. For the

reasons presented above, applicant respectfully submits that claim 17 is not obvious over Shaked in view of Blackburn and further in view of Cheng and further in view of Proux and accordingly requests the rejection of claim 17 be withdrawn.

Conclusion

In view of the above arguments, applicant respectfully requests that a timely Notice of Allowance be issued in this case. In the interest of compact prosecution, if the prosecution of the application can be advanced or if a claim may be made potentially allowable by an Examiner's amendment, Examiner Fahnert is requested to call the undersigned with the proposed amendment.

Respectfully submitted,

Date: September 21, 2011



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7590

10/04/2011

EXAMINER

FAHNERT, MARISOL

ART UNIT

PAPER NUMBER

2617

DATE MAILED: 10/04/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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12/056,300

03/27/2008

Ewald C. Anderl

KIRU-02-US

9331

TITLE OF INVENTION: ADDRESSING VOICE SMS MESSAGES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$870	\$300	\$0	\$1170	01/04/2012

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

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A. Pay TOTAL FEE(S) DUE shown above, or

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7590 10/04/2011
Ashok Tankha
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(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/056,300	03/27/2008	Ewald C. Anderl	KIRU-02-US	9331

TITLE OF INVENTION: ADDRESSING VOICE SMS MESSAGES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$870	\$300	\$0	\$1170	01/04/2012

EXAMINER	ART UNIT	CLASS-SUBCLASS
FAHNERT, MARISOL	2617	455-466000

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- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/056,300	03/27/2008	Ewald C. Anderl	KIRU-02-US	9331
7590 Ashok Tankha 36 Greenleigh Drive Sewell, NJ 08080				
EXAMINER FAHNERT, MARISOL				
ART UNIT PAPER NUMBER				
2617				
DATE MAILED: 10/04/2011				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 571 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 571 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No.		Applicant(s)		
	12/056,300		ANDERL ET AL.		
	Examiner		Art Unit		
	MARISOL FAHNERT		2617		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/21/2011.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 1-7 and 9-17.

4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some* c) ☒ None of the:

1. ☒ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. ____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.

(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date ____ 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal Patent Application 6. ☐ Interview Summary (PTO-413), Paper No./Mail Date ____. 7. ☐ Examiner's Amendment/Comment 8. ☒ Examiner's Statement of Reasons for Allowance 9. ☐ Other _____.
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	/KAMRAN AFSHAR/ Supervisory Patent Examiner, Art Unit 2617
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DETAILED ACTION

Allowable Subject Matter

1. In view of further search and Applicants response, **claims 1-7 and 9-17 are allowed.**
2. The following is an examiner's statement of reasons for allowance of **claims 1-7 and 9-17:**

Claims 1-7 and 9-17 are allowed for the reasons as set forth in Applicant's response filed on **1-7 and 9-17**.

Conclusion

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARISOL FAHNERT whose telephone number is (571) 270-7512. The examiner can normally be reached on MON-FRI 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, KAMRAN AFSHAR can be reached on 571-272-7796. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2617

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MARISOL FAHNERT/

Examiner, Art Unit 2617

/KAMRAN AFSHAR/

Supervisory Patent Examiner, Art Unit 2617

Search Notes 	Application/Control No. 12056300	Applicant(s)/Patent Under Reexamination ANDERL ET AL.
	Examiner MARISOL FAHNERT	Art Unit 2617

SEARCHED			
Class	Subclass	Date	Examiner
455	413, 412.1, 412.2, 466,	3/9/2011	/MF/
379	88.12, 88.13, 88.18, 88.25, 88.26	3/9/2011	MF/

SEARCH NOTES		
Search Notes	Date	Examiner
INVENTOR-ASSIGNEE	3/9/2011	/MF/
EAST SEARCH (US-PGPUB, USPAT, PFRS, EPO, JPO, DERWENT, IBM TDB)	3/9/2011	/MF/
KAMRAN AFSHAR-ALLOWANCE	9/30/2011	/MF/

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner
EAST	TEXT SEARCH	9/30/2011	/MF/

	/MARISOL FAHNERT/ Examiner.Art Unit 2617
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Issue Classification 	Application/Control No. 12056300	Applicant(s)/Patent Under Reexamination ANDERL ET AL.
	Examiner MARISOL FAHNERT	Art Unit 2617

ORIGINAL						INTERNATIONAL CLASSIFICATION												
CLASS			SUBCLASS			CLAIMED					NON-CLAIMED							
455			466			H	0	4	W	4 / 00 (2009.0)								
CROSS REFERENCE(S)																		
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																	
455	413	412.1																
379	88.12																	

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	16	17												
2	2														
3	3														
4	4														
5	5														
6	6														
7	7														
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8	9														
9	10														
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12	13														
13	14														
14	15														
15	16														

/MARISOL FAHNERT/ Examiner.Art Unit 2617 (Assistant Examiner)	9/30/2011 (Date)	Total Claims Allowed: 16	
/KAMRAN AFSHAR/ Supervisory Patent Examiner.Art Unit 2617 (Primary Examiner)	10/01/2011 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 2A

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4049	455/412.1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:58
L2	2310	455/412.2	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:58
L3	1995	455/413	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:58
L4	8848	455/466	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:58
L5	13621	1 2 3 4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:58
L6	883	379/88.11	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:59
L7	1351	379/88.12	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:59
L8	2511	379/88.13	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:59
L9	1619	379/88.18	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:59
L10	1241	379/88.25	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:59

L11	602	379/88.26	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:59
L12	5404	6 7 8 9 10 11	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 18:00
L13	17924	5 12	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 18:00
L14	0	((SMS or (short near2 message)) (text near2 message) (integrat\$3 near3 (voice near5 text)) intercept\$3 (prompt\$3 near12 (voice near5 text)) server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/09/30 18:04

EAST Search History (Interference)

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L17	3194	455/412.1	USPAT; UPAD	OR	ON	2011/09/30 18:07
L18	1955	455/412.2	USPAT; UPAD	OR	ON	2011/09/30 18:07
L19	1689	455/413	USPAT; UPAD	OR	ON	2011/09/30 18:07
L20	5979	455/466	USPAT; UPAD	OR	ON	2011/09/30 18:07
L22	9547	17 18 19 20	USPAT; UPAD	OR	ON	2011/09/30 18:08
L23	852	379/88.11	USPAT; UPAD	OR	ON	2011/09/30 18:08
L24	1271	379/88.12	USPAT; UPAD	OR	ON	2011/09/30 18:09
L25	2342	379/88.13	USPAT; UPAD	OR	ON	2011/09/30 18:09
L26	1520	379/88.18	USPAT; UPAD	OR	ON	2011/09/30 18:09
L27	1205	379/88.25	USPAT; UPAD	OR	ON	2011/09/30 18:09
L28	599	379/88.26	USPAT; UPAD	OR	ON	2011/09/30 18:09
L29	5011	23 24 25 26 27 28	USPAT; UPAD	OR	ON	2011/09/30 18:09
L30	13467	22 29	USPAT; UPAD	OR	ON	2011/09/30 18:09
L31	0	((SMS or (short near2 message)) (text near2 message) (integrat\$3 near3 (voice near5 text)) intercept\$3 (prompt\$3 near12 (voice near5 text)) server) .clm.	USPAT; UPAD	WITH	ON	2011/09/30 18:09

9/ 30/ 2011 6:09:57 PM

C:\Users\mfahnert\Documents\EAST\Workspaces\12056300-INTERFERENCE.wsp

EAST Search History

EAST Search History (Prior Art)

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L1	13	((EWALD) near2 (ANDERL)).INV.	US-PGPUB; USPAT	OR	ON	2011/09/30 17:54
L2	1	((AJAY) near2 (THAPAR)).INV.	US-PGPUB; USPAT	OR	ON	2011/09/30 17:54
L3	1	((CHINNA) near2 (CHOCKALINGAM)).INV.	US-PGPUB; USPAT	OR	ON	2011/09/30 17:54
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L6	9	L5 L4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/09/30 17:54
L7	41	KIRUSA.AS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:55
L8	9	L5 L7	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/09/30 17:55
L9	4049	455/412.1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/09/30 17:55
L10	2310	455/412.2	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/09/30 17:55
L11	301	55/413	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/09/30 17:55
L12	8848	455/466	US-PGPUB; USPAT; FPRS; EPO; JPO;	AND	ON	2011/09/30 17:55

			DERWENT; IBM_TDB			
L13	12838	L9 L10 L11 L12	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:55
L14	883	379/88.11	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:55
L15	1351	379/88.12	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:55
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L17	1619	379/88.18	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:55
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L19	602	379/88.26	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:55
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L21	17378	L13 L20	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/09/30 17:55
L22	1508	((voice or audio) near2 SMS) and prompt\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/09/30 17:55
L23	256	L21 and L22	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/09/30 17:55
L24	783	((voice or audio) near2 SMS) and (prompt\$3 near2 user)	US-PGPUB; USPAT; FPRS; EPO; JPO;	WITH	ON	2011/09/30 17:55

			DERWENT; IBM_TDB			
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L29	1	L28 and L26	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/09/30 17:56
S1	1	12/056300.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 11:31
S2	12	((EWALD) near2 (ANDERL)).INV.	US-PGPUB; USPAT	OR	ON	2011/03/07 11:34
S3	1	((AJAY) near2 (THAPAR)).INV.	US-PGPUB; USPAT	OR	ON	2011/03/07 11:34
S4	1	((CHINNA) near2 (CHOCKALINGAM)).INV.	US-PGPUB; USPAT	OR	ON	2011/03/07 11:34
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S7	11787	voice SMS	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 11:37
S8	8	S7 S5	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 11:40
S9	8	S7 S6	US-PGPUB;	AND	ON	2011/03/07

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S10	3301	voice near2 SMS	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 11:58
S11	7989	455/466	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 11:58
S12	378	S11 S10	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 11:58
S13	79	(voice SMS).ti.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 11:59
S14	34	(voice near2 SMS).ti.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 11:59
S15	3	S11 S14	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 11:59
S16	4	S11 S13	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 12:00
S17	4	S11 S13 S10	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 12:01
S18	1	10/407955.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 12:01
S19	3609	455/412.1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 12:05
S20	2038	455/412.2	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 12:05
S21	286	55/413	US-PGPUB;	AND	ON	2011/03/07

			USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			12:06
S22	7989	455/466	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/07 12:06
S23	11549	S19 S20 S21 S22	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:06
S24	824	379/88.11	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:06
S25	1264	379/88.12	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:06
S26	2300	379/88.13	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:06
S27	1509	379/88.18	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:06
S28	1170	379/88.25	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:06
S29	570	379/88.26	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:06
S30	4991	S24 S25 S26 S27 S28 S29	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:07
S31	15776	S23 S30	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/07 12:07
S32	1	application text recipient (creat\$3 near2 text) address\$4 voice integrat\$3 prompt\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:10
S33	1	text recipient (creat\$3 near2 text)	US-PGPUB;	WITH	ON	2011/03/07

		address\$4 voice integrat\$3 prompt\$3	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			12:10
S34	1	text (creat\$3 near2 text) address\$4 voice integrat\$3 prompt\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:10
S35	1	text (creat\$3 near2 text) voice integrat\$3 prompt\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:11
S36	12	text voice integrat\$3 prompt\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:11
S37	0	text voice integrat\$3 prompt\$3 SMS	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:11
S38	13756	(voice or audio) SMS	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:12
S39	3557	(voice or audio) near2 SMS	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:13
S40	34	((voice or audio) near2 SMS).ti.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:13
S41	3	S11 and S40	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:14
S42	1	((voice or audio) near2 SMS).ti. and prompt\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 12:44
S43	1246	((voice or audio) near2 SMS) and prompt\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 13:25
S44	216	S31 and S43	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 13:26
S45	635	((voice or audio) near2 SMS) and	US-PGPUB;	WITH	ON	2011/03/07

		(prompt\$3 near2 user)	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			13:26
S46	116	S31 and S45	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 13:26
S47	69	((voice or audio) near2 SMS) and ((prompt\$3 near2 user) (voice near2 message))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 13:27
S48	18	S31 and S47	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 13:27
S49	1	S40 and S47	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 13:38
S50	85	((voice or audio) SMS).ti.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/07 13:39
S51	4001	(creat\$3 or writ\$3) near5 ((text or SMS) near2 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/08 12:46
S52	69	((voice or audio) near2 SMS) and ((prompt\$3 near2 user) (voice near2 message))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/08 12:47
S53	8	S51 S52	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/08 12:47
S54	69	((voice or audio) near2 SMS) and ((prompt\$3 near2 user) (voice near2 message)) and prompt\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/08 12:52
S55	8	S51 S54	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/08 12:52
S56	1482	integrat\$3 voice (SMS or text)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/08 13:04
S57	424	integrat\$3 voice (SMS or text)	US-PGPUB;	WITH	ON	2011/03/08

		message	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			13:04
S58	3627	455/412.1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/08 13:04
S59	2044	455/412.2	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/08 13:04
S60	286	55/413	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/08 13:04
S61	8012	455/466	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/08 13:04
S62	11585	S58 S59 S60 S61	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/08 13:04
S63	826	379/88.11	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/08 13:04
S64	1269	379/88.12	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/08 13:04
S65	2309	379/88.13	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/08 13:04
S66	1513	379/88.18	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/08 13:04
S67	1175	379/88.25	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/08 13:04
S68	572	379/88.26	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/08 13:04
S69	5007	S63 S64 S65 S66 S67 S68	US-PGPUB;	OR	ON	2011/03/08

			USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			13:04
S70	15822	S62 S69	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/08 13:04
S71	83	S70 and S57	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/08 13:04
S72	45	integrat\$3 near5 voice near5 ((SMS or text) near2 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/08 13:05
S73	7	S70 and S72	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/08 13:05
S74	350	(add\$3 or integrat\$3 or combin\$3 or associat\$3) near5 voice near5 ((SMS or text) near2 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/08 13:10
S75	72	S70 and S74	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/08 13:10
S76	62	S51 S74	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/08 13:17
S77	21	S51 S74	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/03/08 13:18
S78	10	S51 S74	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/08 13:18
S79	11	S77 not S78	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/08 13:20
S80	41	S76 not S77	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/08 14:14
S81	1	10/407955.app.	US-PGPUB;	AND	ON	2011/03/08;

			USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			14:52
S82	204	intercept\$ text message	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/08 15:27
S83	419	intercept\$ (text or SMS) message	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/08 15:27
S84	118	S70 and S83	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/08 15:28
S85	4	intercept\$ (text or SMS) message (client near2 application)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/08 15:34
S86	1	10/677098.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/08 15:35
S87	68	prompt\$3 (SMS or text) (add\$3 or includ\$3) (voice near2 message)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/08 17:32
S88	9	S70 and S87	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/08 17:33
S89	59	S87 not S88	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/08 17:35
S90	1	"7013155".pn. and address	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/09 09:35
S91	0	"7013155".pn. and (text near5 address)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/09 09:47
S92	1	"7013155".pn. and (voice near5 address)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/09 09:47
S93	1	"7013155".pn. and text	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/09 09:47
S94	1	12/056300.app. and address	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2011/03/09 09:52

			DERWENT; IBM_TDB			
S95	1	10/677098.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/09 10:06
S96	2	"20070260456".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/09 10:17
S97	8012	455/466	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/09 10:38
S98	3152	S97 and (memory device)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 10:39
S99	1601	S97 and (memory device) and SMS	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 10:39
S100	301	S97 and ((memory near2 storage device)) and SMS	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 10:40
S101	13	S97 and ((memory device)) (list near3 address) and SMS	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 10:40
S102	1	12/056300.app. and readable	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/09 11:05
S103	2	"20070275739".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 11:34
S104	1	"20070275739".pn. and address	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 11:34
S105	1	"20070275739".pn. and addres\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 11:34
S106	13	(7702739 20070260456).pn.	US-PGPUB; USPAT; FPRS; EPO; JPO;	WITH	ON	2011/03/09 11:53

			DERWENT; IBM_TDB			
S107	2	(7702739 20070260456).pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/09 11:54
S108	2	(7702739 20070260456).pn. and ((memory or stor\$3) device)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/09 11:54
S109	2	(7702739 20070260456).pn. and ((memory or stor\$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/09 11:54
S110	18	addres\$4 recipient call\$3 history	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/09 12:10
S111	17	addres\$4 recipient call\$3 history and interface	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/09 12:18
S112	24	(shaked near2 yoav).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/09 12:52
S113	3614	baxter.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/09 12:59
S114	39	baxter.in. and text and voice	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/09 13:00
S115	12	baxter.in. and text voice	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	WITH	ON	2011/03/09 13:02
S116	1	12/056300.app. and notification construction	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 13:14
S117	0	voicer message notif\$8 plurality (recipient or client)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 14:26
S118	20	voice message notif\$8 plurality (recipient or client)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 14:26
S119	293	group near3 replay\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 14:27
S120	0	S118 S119	US-PGPUB;	AND	ON	2011/03/09

			USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			14:27
S121	47869	replay\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 14:28
S122	293	S119 S121	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/09 14:28
S123	293	S119 S121	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2011/03/09 14:28
S124	293	S119 S121	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 14:28
S125	1852	455/413	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/09 14:29
S126	3627	455/412.1	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/09 14:29
S127	2044	455/412.2	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/09 14:29
S128	8012	455/466	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/09 14:29
S129	12323	S125 S126 S127 S128	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/09 14:30
S130	826	379/88.11	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/09 14:30
S131	1269	379/88.12	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/09 14:30
S132	2309	379/88.13	US-PGPUB;	OR	ON	2011/03/09

			USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			14:30
S133	1513	379/88.18	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/09 14:30
S134	1175	379/88.25	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/09 14:30
S135	572	379/88.26	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/09 14:30
S136	5007	S130 S131 S132 S133 S134 S135	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/09 14:30
S137	16335	S129 S136	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/03/09 14:30
S138	0	S137 S124	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 14:31
S139	4	S137 S124	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/09 14:31
S140	3	(voice near2 message near2 notif\$8) (plurality near3 (recipient or client))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 14:34
S141	17	S118 not S140	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 14:35
S142	4	(voice near2 message near2 notif\$8) (plurality (recipient or client))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 14:36
S143	0	(plurality near5 recipient) (group near5 replay)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 15:02
S144	0	(plurality recipient) (group replay)	US-PGPUB;	WITH	ON	2011/03/09

			USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			15:02
S145	4	S137 and S119	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 15:02
S146	0	"replay to all"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 15:04
S147	0	"reply to all"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 15:05
S148	8	(plurality recipient) (group reply)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 15:05
S149	1615	(group near5 reply)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 15:07
S150	11	(group near5 reply) near5 option	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 15:08
S151	2607	application sim card	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 15:37
S152	719	application near3 sim near2 card	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 15:38
S153	131	S137 S152	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/09 15:38
S154	374	application adj2 sim adj card	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/03/09 15:38
S155	75	S137 S154	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/09 15:39
S156	71	S137 S154 and sms	US-PGPUB;	AND	ON	2011/03/09

			USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			15:39
S157	12	S137 S154 with sms	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/03/09 15:39

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**TRANSMITTAL
FORM**

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Total Number of Pages in This Submission

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Filing Date 03-27-2008

First Named Inventor Ewald C. Anderl

Art Unit 2617

Examiner Name FAHNERT, MARISOL

Attorney Docket Number KIRU-02-US

ENCLOSURES (Check all that apply)

- | | | |
|--|--|---|
| ☐ Fee Transmittal Form | ☐ Drawing(s) | ☐ After Allowance Communication to TC |
| ☐ Fee Attached | ☐ Licensing-related Papers | ☐ Appeal Communication to Board of Appeals and Interferences |
| ☐ Amendment/Reply | ☐ Petition | ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| ☐ After Final | ☐ Petition to Convert to a Provisional Application | ☐ Proprietary Information |
| ☐ Affidavits/declaration(s) | ☐ Power of Attorney, Revocation *
Change of Correspondence Address | ☐ Status Letter |
| ☐ Extension of Time Request | ☐ Terminal Disclaimer | ☐ Other Enclosure(s) (please identify below): |
| ☐ Express Abandonment Request | ☐ Request for Refund | |
| ☐ Information Disclosure Statement | ☐ CD, Number of CD(s) _____ | |
| ☒ Certified Copy of Priority Document(s) | ☐ Landscape Table on CD | |
| ☐ Reply to Missing Parts/
Incomplete Application | Remarks | |
| ☐ Reply to Missing Parts
under 37 CFR 1.52 or 1.53 | | |

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

Signature

A. Tankha

Printed name

Ashok Tankha

Date

11. 7. 11

Reg. No.

33802

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of
Application No.: 12/056,300
Filed: March 27, 2008
Applicant: Ewald C. Anderl
Title: Addressing Voice SMS Messages

Examiner: FAHNERT, MARISOL
Art Unit: 2617
Docket No.: KIRU-02-US

To: Mail Stop Patent Application
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A. Tankha
Ashok Tankha

11. 7. 11
Date

**Transmittal Of Certified Copy Of Foreign Patent Application
For Inclusion In File Wrapper of US Application #11/451,255**

Sir:

Transmitted herewith under 35 U.S.C. 119(b) is a certified copy of Indian patent application titled "Method and System for Voice SMS Messaging", patent application no. #871/CHE/2007, filed in the Indian Patent Office on April 25, 2007 to perfect applicant's claim for foreign priority for US patent application #12/056,300.

US patent application no. #12/056,300 claims priority to Indian patent application no. #871/CHE/2007. Please file the certified copy of Indian patent application no. #871/CHE/2007, attached, in the file wrapper of US application no. #12/056,300 titled "Addressing Voice SMS Messages", filed on March 27, 2008.

Attachments:

1. Transmittal form PTO/SB/21.
2. Certified copy of Indian patent application titled "Method and System for Voice SMS Messaging", patent application no. #871/CHE/2007, filed in the Indian Patent Office on April 25, 2007.
3. Return postcard for USPTO to acknowledge receipt of attachment 1 and 2, above.

Date: November 7, 2011

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Ashok Tankha
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GOVERNMENT OF INDIA
PATENT OFFICE
MINISTRY OF COMMERCE AND INDUSTRY
Department of Industrial Policy and Promotion

It is hereby certified that annexed here to is a true copy of **Provisional Specification, Complete Specification, Abstract and Drawings** of the patent application as filed and as detailed below:-

Date Of Application : 25/04/2007

Date of filing of
Complete Specification : 28/01/2008

Application No : 871/CHE/2007

Applicants : M/s. Kirusa Inc., an US Company of 571, Central Avenue, Suite 108, New Providence, NJ, United States of America.

In witness there of.
I have here unto set my hand

Dated this the 19th day of October 2011
27th day of Asvina, 1933(Saka)

By Authority of
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DESIGNS AND TRADE MARKS.

(J. MEENA)

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0871 /CHE/ 2007 ORIGINAL 25 APR 2007

FORM 2 THE PATENT APPLICATION ACT 1970 (39 of 1970) & THE PATENT RULES, 2003 PROVISIONAL /~~COMPLETE~~ SPECIFICATION (See section 10 and rule 13)	
1. TITLE OF THE INVENTION: METHOD AND SYSTEM FOR VOICE SMS MESSAGING	
2. APPLICANT (S) a. NAME: KIRUSA Inc. b. NATIONALITY: USA ADDRESS: 571 CENTRAL AVENUE, SUITE 108 NEW PROVIDENCE, NJ UNITED STATES OF AMERICA	
3. PREAMBLE TO THE DESCRIPTION	
PROVISIONAL The following specification describes the invention	~~COMPLETE~~ ~~The following specification particularly describes the invention and the manner in which it is to be performed.~~

METHOD AND SYSTEM FOR VOICE SMS MESSAGING

BACKGROUND OF THE INVENTION

The present invention in general relates to sending and receiving messages using mobile devices. More particularly, the present invention relates to voice SMS messaging using standard methods of recipient addressing as used by text SMS messaging.

The existing methods of sending voice SMS messages require a sender to input a recipient's identification through a user input mechanism. The mobile station integrated services digital network (MSISDN) number of the recipient's mobile device is used to send the voice SMS.

The current methods of text SMS messaging allows the use of addresses stored on the sender's mobile device. The addresses may be stored in the mobile device's built-in address book or on the subscriber identity module (SIM) cards in GSM mobile phones. However, the existing methods for voice SMS messaging do not allow the sender to use such locally stored addresses for selecting the recipients of the messages.

SUMMARY OF THE INVENTION

The method and system disclosed herein, allows voice SMS messaging using standard methods of recipient addressing as used by text SMS messaging. A user creates a text SMS message and addresses the message to a recipient. The address of the recipient may be obtained from the address book stored locally on the user's mobile device. A client application running on the user's mobile device intercepts the text SMS message and prompts whether the user wants to include a voice SMS message. If the user wants to include the voice SMS message, the user's voice message is recorded on a server. The text message along with a notification of the voice message is transmitted to the recipient. The recipient may use the voice message notification to listen to the user's recorded voice message.

BRIEF DESCRIPTION OF DRAWINGS

FIGURE 1 illustrates the method for integrating voice content with text content in a wireless text messaging service.

FIGURE 2A illustrates the method for combining voice SMS message with the standard methods of single recipient addressing as used by text SMS messaging.

FIGURE 2B illustrates the method for combining voice SMS message with the standard methods of multiple recipient addressing as used by text SMS messaging.

FIGURE 3 illustrates the system for combining voice SMS message with the standard methods of addressing as used by text SMS messaging.

FIGURE 4A illustrates the system of a first embodiment of the invention for sending a voice SMS message to a single recipient, using a client application.

FIGURE 4B illustrates the system of a second embodiment of the invention for sending a voice SMS message to a single recipient, using a client application.

FIGURE 4C illustrates the system of a third embodiment of the invention for sending a voice SMS message to a plurality of recipients, using a client application.

FIGURE 4D illustrates the system of a fourth embodiment of the invention for sending a voice SMS message to a plurality of recipients, using a client application.

DETAILED DESCRIPTION OF DRAWINGS

FIGURE 1 illustrates the method for integrating voice content with text content in a wireless text messaging service. In the disclosed method, voice SMS messaging is combined with the standard methods of addressing as employed in text SMS messaging. A client application is provided on a user's mobile device.

In one embodiment of the invention, the client application resides on an internal operating system present on the mobile device. Examples of operating systems include maybe Symbian® of Symbian Inc., Windows® of Microsoft Inc., etc., that may support a high level language interface such as Java® of Sun Microsystems Inc. The client application intercepts normal text SMS messaging operations such as addressing, composing the text message, sending the text message, etc.

In another embodiment of the invention, the client application resides on the subscriber identity module (SIM) card of the GSM mobile device.

The user creates a text message employing the user interface provided on the mobile device. The user then addresses the text message to specific recipients using the standard methods for addressing text message. The recipient addresses may be stored in a built-in address book on the mobile device. If the mobile device is a GSM device, the addresses may be stored the SIM card. The user sends the text message to the recipients.

In order to associate the text message with voice content, the client application intercepts the text SMS message. The client application prompts the user as to whether a voice SMS message needs to be included. If the user prefers not include a voice SMS message, the client application sends the intercepted text SMS message to the recipient. If the user prefers to additionally add a voice SMS message, the client application connects the mobile device to a server. The user's voice message is recorded and stored on the server.

A voice message notification is attached to the text SMS message and sent to the addressed recipients. The recipients on receiving the text SMS message may use the information in the voice message notification to access and listen to the user's voice message stored on the voice server.

FIGURE 2A illustrates the method for combining voice SMS message with the standard methods of single recipient addressing as used by text SMS messaging. In order to send a text message to a particular recipient, the user uses the addresses stored in a built-in address book or on a SIM card. In order to create a voice SMS message, the client application connects the user's mobile device to a server for recording the user's voice message. The server is further provided with information about the recipient to whom a voice message notification has to be sent. In one embodiment of the invention, if the text message body is blank, the recipient's information may be sent to the server by transmitting the dial string '*MSISDN' to the server as part of the connection process. If the message body is not blank, it is advantageous to send the recipient information before or as a part of the connection process to the server. For example, the address information could be sent via out-of-band signaling (USSD) or as a background SMS message containing the address and text information.

The method described above, additionally allows the user to create new voice SMS messages by employing user's call history. During voice SMS messaging, the methods of addressing, message creation, message sending, etc., ensures that the user experience remains unchanged from that of text SMS messaging.

FIGURE 2B illustrates the method for combining voice SMS message with the standard methods of multiple recipient addressing as used by text SMS messaging. The client application may allow the user to send a common voice SMS message to a plurality of recipients. The plurality of recipients may be addressed by common group messages enhanced with voice SMS messaging capability. In one embodiment of the disclosed method, a reply option may be provided to the recipient. Upon receiving a voice SMS

message, the recipient may use voice SMS messaging to reply back to the user. In another embodiment, a reply-all option may be employed in group messages. Using the reply-all option a particular recipient may send a voice SMS message to all the other recipients including the user.

When a voice SMS message is delivered to a plurality of recipients, the user will hear one or more of the following: optional TTS of the message, "Restaurant Choice may change"; any additional audio recorded with the message; recipients have the option of replying to the user or the entire group to which the message was sent.

FIGURE 3 illustrates the system for combining voice SMS message with the standard methods of addressing as used by text SMS messaging. The system comprises a mobile device with an internal operating system such Symbian, Windows, etc. The internal operating system may support a high level language interface such as Java. A client application is provided on the mobile device for creating and sending a voice SMS message. The client application may be one of, but not restricted to a Java client, a binary runtime for wireless (BREW) client, or a SIM toolkit. The user creates and sends a text SMS message using a built-in application such as an SMS client. The text SMS message is intercepted by the client application.

FIGURE 4A illustrates the system of a first embodiment of the invention for sending a voice SMS message using a client application. In the example shown in **FIGURE 4A**, the operating system is Symbian and the client application is a native Symbian client. The user is prompted to answer whether a voice SMS message needs to be included or not. If the user chooses to include a voice SMS message, the user is connected to a server through the network interfaces provided as a part of the mobile device's hardware. The user employs built-in applications to record the voice message on the server. After the recording is complete, a voice notification is included in the text SMS message and transmitted to the recipients. The recipients may access the recorded voice message on the server through the information included in the voice message notification.

FIGURE 4B illustrates the system of a second embodiment of the invention for sending a voice SMS message using a client application. The second embodiment of the disclosed system is functionally similar as that of the first embodiment. However, the client application is implemented as a SIM toolkit application in the SIM toolkit environment.

FIGURE 4C illustrates the system of a third embodiment of the invention for sending a voice SMS message to a plurality of recipients, using a client application. Exemplarily, the client application is the native Symbian application residing in the native application environment. The third embodiment of the invention has the following characteristics:

- Multiple recipients, optional text component
- Send Message Information: Recipient(s), Message Body, Message Options
 - SMS Transport: Send SMS with information and a Direct Access (DA) link/number that will be used for voice call; Call DA link to record voice and the service sends message
 - DA links / numbers provisioned to application OTA (via SMS) during initialization phase
 - USSD Transport: Send information directly via USSD channel; receive DA link from service (no provisioning of application required); Call DA link to record voice, Service Sends message.

FIGURE 4D illustrates the system of a fourth embodiment of the invention for sending a voice SMS message to a plurality of recipients, using a client application. In the fourth embodiment, the client application is the SIM toolkit application residing in the SIM toolkit environment. The fourth embodiment of the invention has the following characteristics:

- Multiple recipients, optional text component
- Send Message Information: Recipient(s); Message Body and Message Options

SMS Transport: Send SMS with information and DA link/number that will be used for Voice Call; Call DA link to record voice and the service sends message

- DA links / numbers provisioned to application OTA (via SMS) during initialization phase

USSD Transport: Send information directly via USSD channel; receive DA link from service (no provisioning of application required); Call DA link to record voice and the service sends message.

CLAIMS

I/We claim:

1. A method for voice short message service messaging, comprising the steps of:

providing a client application on a mobile device;

creating a text message by a user on said mobile device;

addressing said text message to recipients using addresses stored on said mobile device;

integrating voice content to said text message using standard methods of recipient addressing as used by text short message service messaging, further comprising the steps of:

intercepting said addressed text message by said client application;

prompting said user to include a voice message with said addressed text message; and

transmitting a voice message notification along with the addressed text message to said recipients.

2. The method of claim 1, wherein said client application is implemented on the subscriber identity module of said mobile device.

3. A system for voice short message service messaging, comprising:

a mobile device;

a client application on said mobile device, wherein said client application integrates voice content to said text message using standard methods of recipient addressing as used by text short message service messaging;

a memory storage means on said mobile device to store a list of addresses of recipients;

a user interface on said mobile device for a user to input said voice and text messages; and

a server to remotely store the voice messages of said user and for transmitting a voice message notification along with the addressed text message to said recipients.

4. The system of claim 3, wherein said server further comprises:

a first server for remotely storing said voice messages of said user; and

a second server for transmitting a voice message notification along with the addressed text message to said recipients.

DATE AND SIGNATURE

Dated this the 25th day of April, 2007



(Gosakan Aravamudan)

GOSAKAN ARAVAMUDAN

Registered Patent Agent

(IN/PA-1071)

Ph: 0-9845566423

ABSTRACT

The method and system disclosed herein, allows voice SMS messaging using standard methods of recipient addressing as used by text SMS messaging. A user creates a text SMS message and addresses the message to a recipient. The address of the recipient may be obtained from the address book stored locally on the user's mobile device. A client application intercepts the text SMS message and prompts whether the user wants to include a voice SMS message. If the user wants to include the voice SMS message, the user's voice message is recorded on a server. The text message along with a voice notification is transmitted to the recipient. The recipient may use the voice notification to listen to the user's recorded voice message.

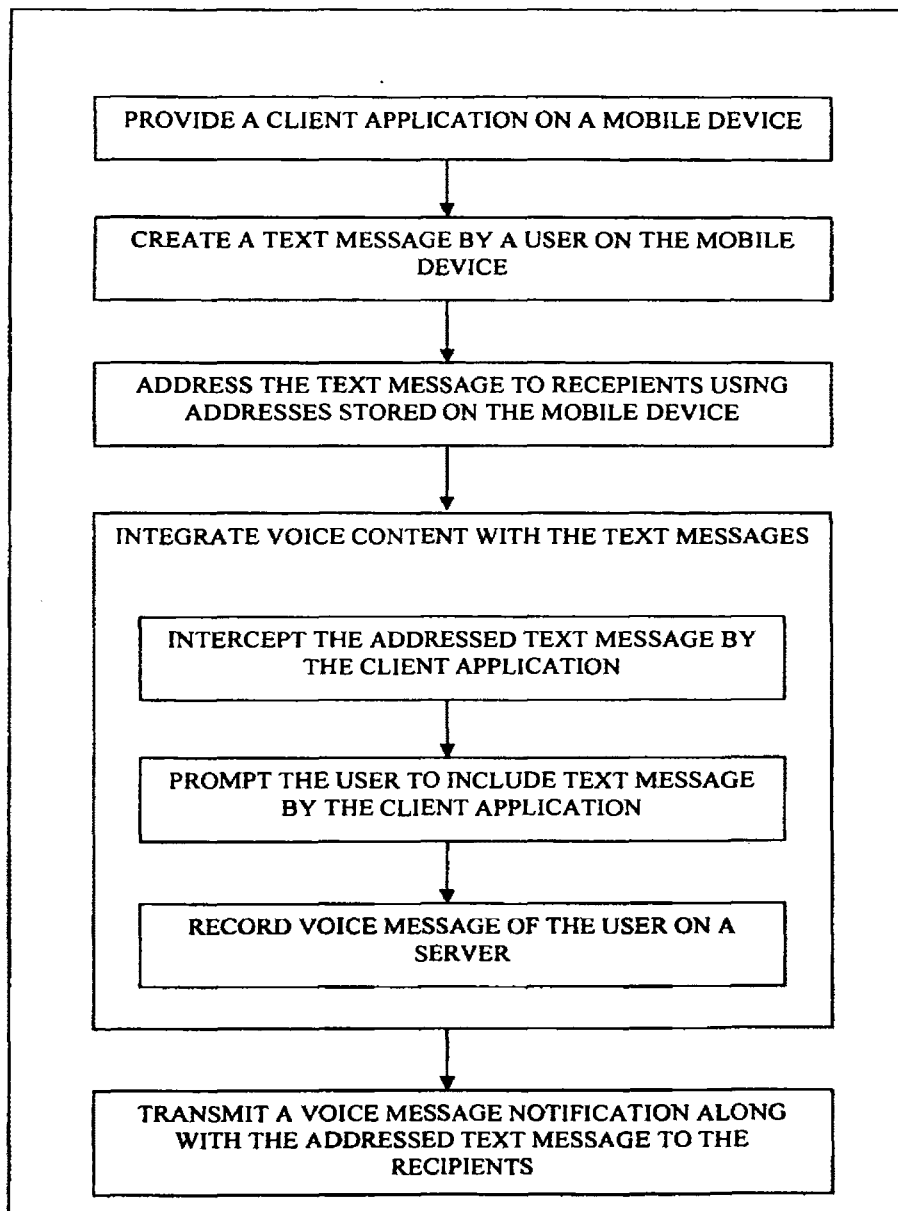


FIGURE 1

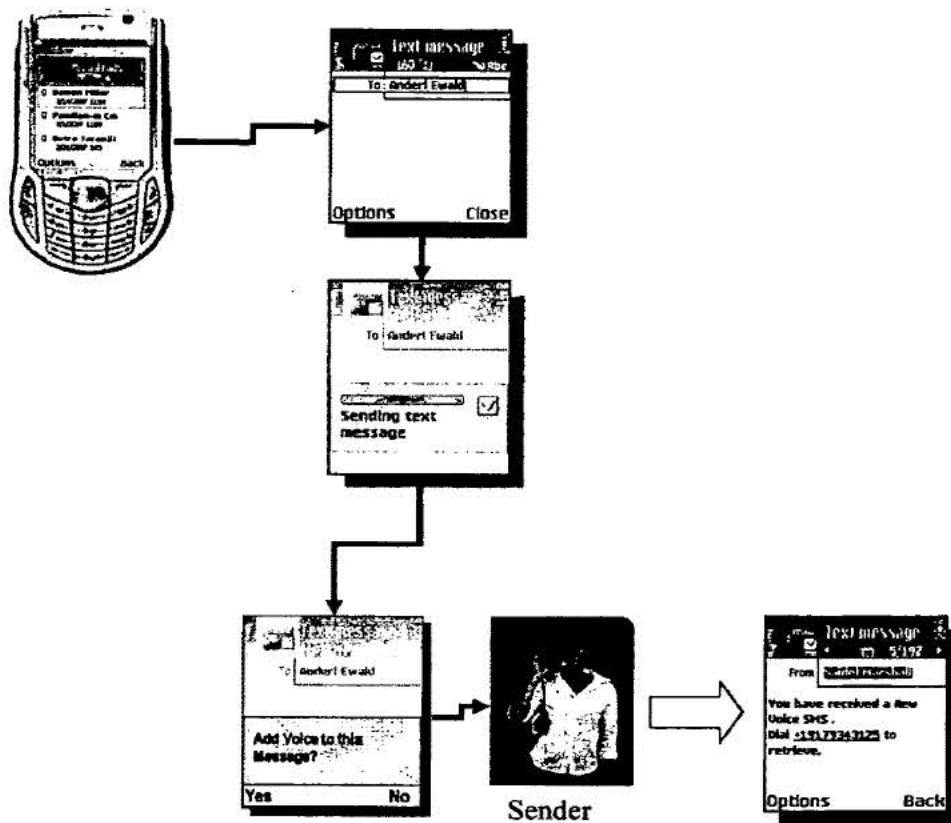


FIGURE 2A

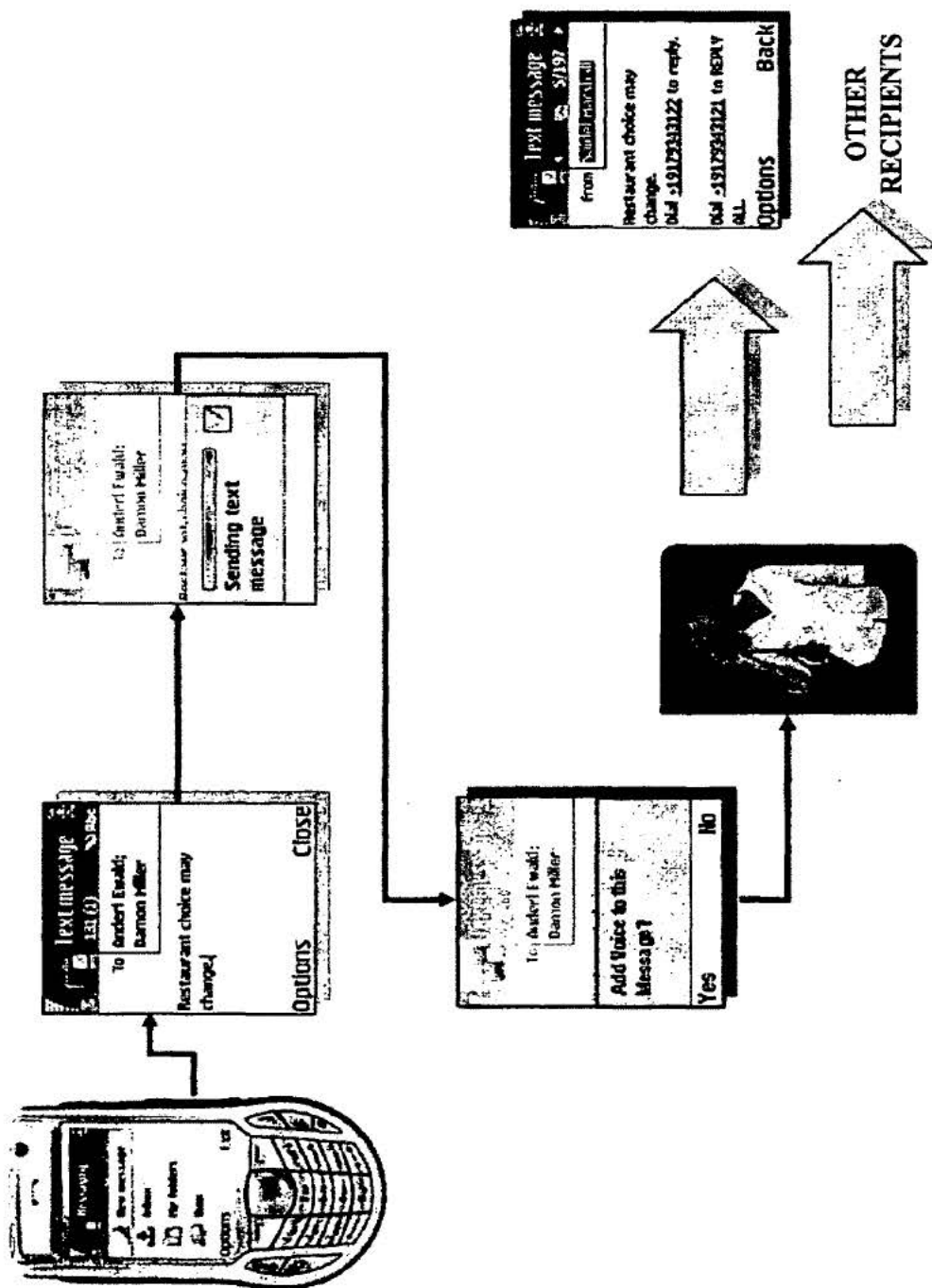


FIGURE 2B

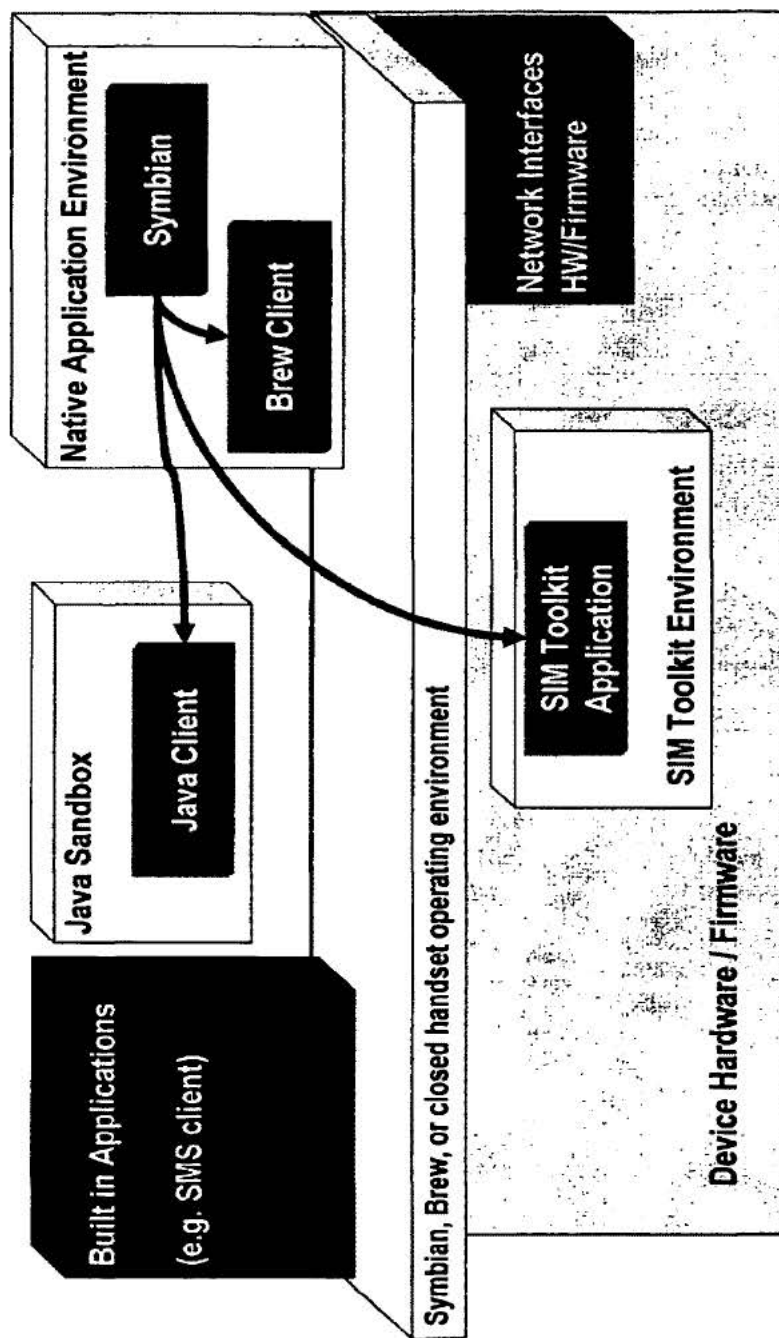


FIGURE 3

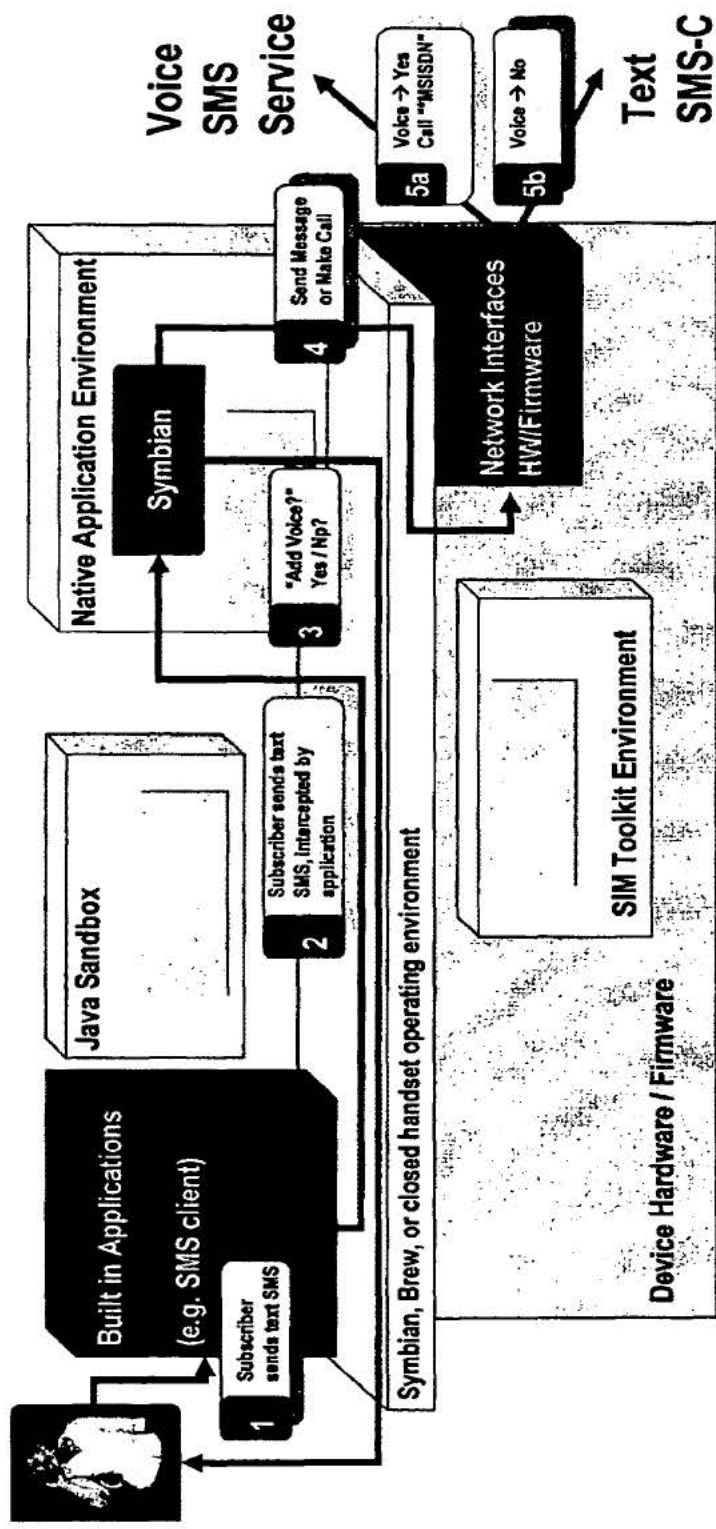


FIGURE 4A

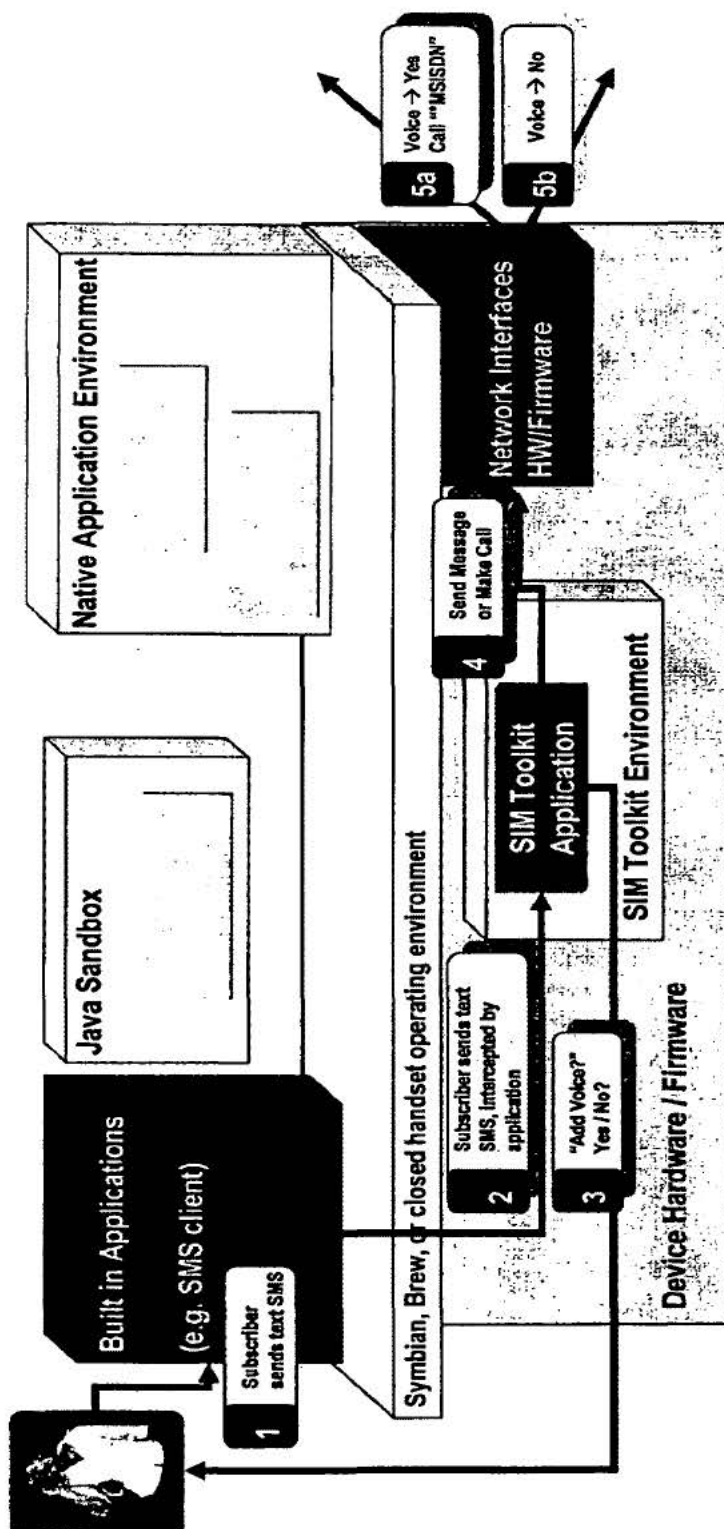


FIGURE 4B

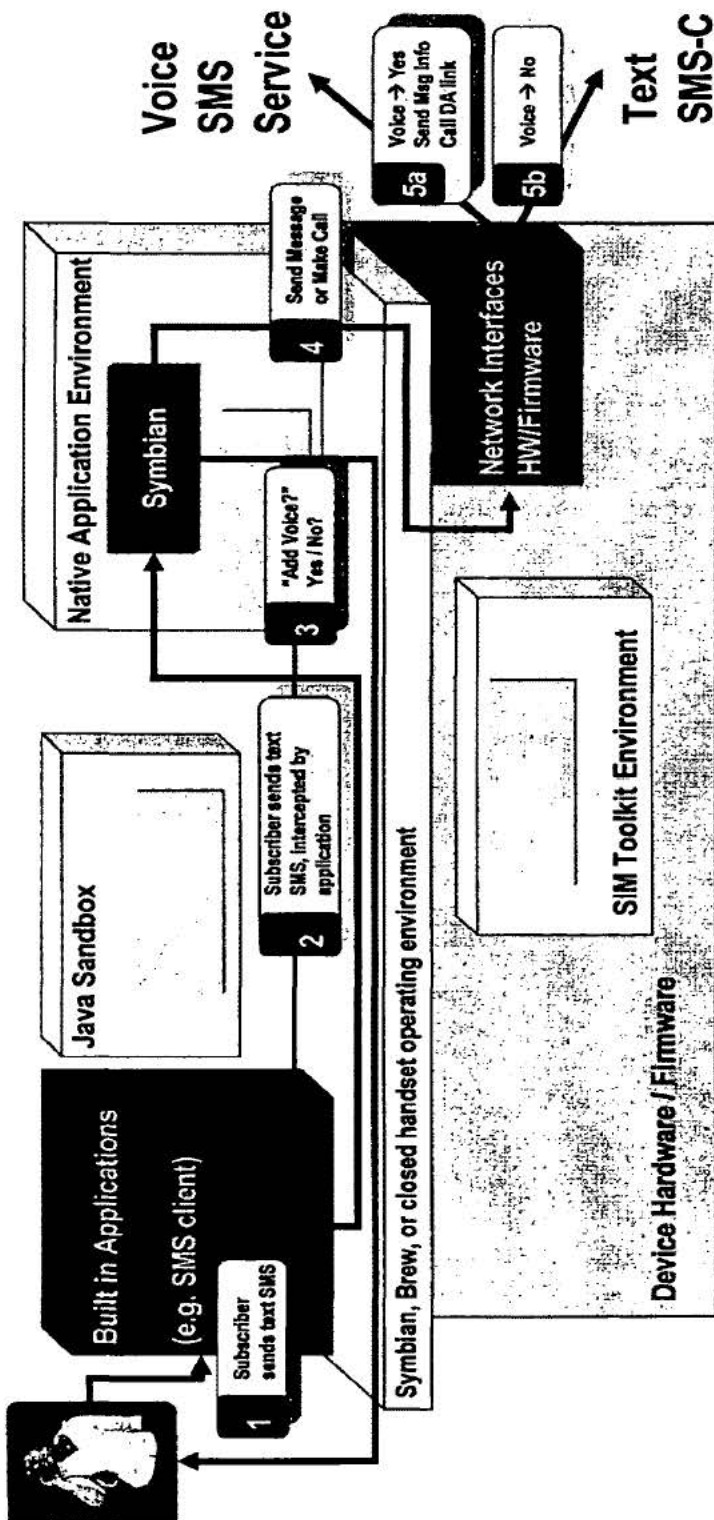


FIGURE 4C

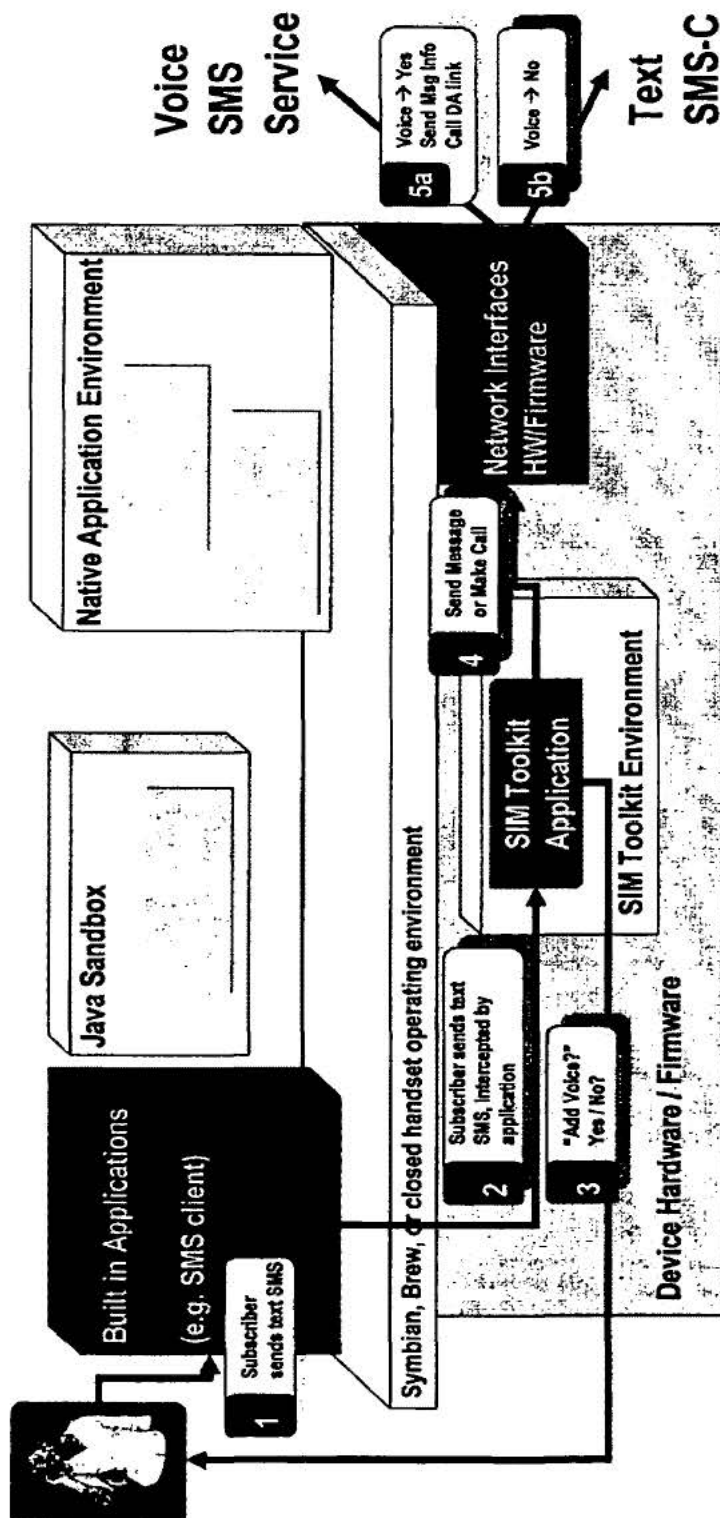


FIGURE 4D

28 JAN 2008

ORIGINAL

871/CHC/2007
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FORM 2 THE PATENT APPLICATION ACT 1970 (39 of 1970) & THE PATENT RULES, 2003 ~~PROVISIONAL~~/COMPLETE SPECIFICATION (See section 10 and rule 13)	
1. TITLE OF THE INVENTION: METHOD AND SYSTEM FOR VOICE SMS MESSAGING	
2. APPLICANT (S) a. NAME: KIRUSA Inc. b. NATIONALITY: USA ADDRESS: 571 CENTRAL AVENUE, SUITE 108 NEW PROVIDENCE, NJ 07974 UNITED STATES OF AMERICA	
3. PREAMBLE TO THE DESCRIPTION	
~~PROVISIONAL~~ ~~The following specification describes the invention~~	COMPLETE The following specification particularly describes the invention and the manner in which it is to be performed.

METHOD AND SYSTEM FOR VOICE SMS MESSAGING

CROSS REFERENCE TO RELATED APPLICATIONS

The following patents are incorporated herein as references:

1. This application claims the benefit of the provisional patent application titled "Method and System for Voice SMS Messaging", bearing the application number 871/CHE/2007, and filed on April, 25, 2007 at the Indian Patent Office.
2. Patent application with patent number US 7,184,786 titled "Techniques for combining Voice with Text Short Message Services" assigned to Kirusa, Inc., NJ, USA.
3. Indian patent application with patent number 2775/CHENP/2006 titled "Techniques for combining Voice with Wireless Text Short Message Services" assigned to Kirusa, Inc., NJ, USA
4. Indian patent application with patent number 3495/CHENP/2005 titled "A Method and System for Communicating a Data File over a Network and Teleconferencing Over a Telephony Network" assigned to Kirusa, Inc., NJ, USA.
5. Indian patent application with patent number 4503/CHENP/2006 titled "Methods for Identifying Messages and Communicating with Users of a Multimodal Message Service" assigned to Kirusa, Inc., NJ, USA.

BACKGROUND

This invention, in general, relates to sending and receiving short messages between wireless telephony users. More particularly, this invention relates to voice short message service (SMS) messaging using standard methods of recipient addressing as used by text SMS messaging.

In addition to the usual wireless telephony that cellular telephones provide, such devices are also widely used for sending short message service (SMS) messages between wireless users.

More recently new devices and supporting network services are being introduced that allow a more general class of messages to be sent between the wireless devices, where the messages include voice, still images, and even moving images. One of the prevalent services used today, besides text SMS messaging, is voice SMS messaging.

The existing methods of voice SMS messaging employ a mobile station integrated services digital network (MSISDN) number of the recipient's mobile device to send voice SMS messages. These methods require a sender to input the recipient's address through a user input interface. The current methods of text SMS messaging may use the addresses stored on the user's mobile device or the addresses manually entered by the user for addressing the text messages. The recipient address may be stored in the mobile device's native address book or on the subscriber identity module (SIM) card in the mobile device. However, the existing methods for voice SMS messaging do not allow the sender to practically use addresses stored in a local address book in the mobile device for selecting the recipients.

In view of the foregoing discussion, there is a need for a method and system for sending voice SMS messages to recipients, using recipients' addresses stored in an

address book. The method and system must overcome the limitation of a user input requirement for addressing the recipients of the voice SMS messages.

SUMMARY OF THE INVENTION

The method and system disclosed herein, allows voice short message service (SMS) messaging using standard methods of recipient addressing as used by text SMS messaging. Exemplarily, recipient addressing comprises use of a call history stored in the user's mobile device, to address the voice SMS message.

A user creates a text SMS message and addresses the text message to a recipient, using the recipient's address that may be stored in a local address book, in the mobile device call history, or manually entered by the user on the mobile device. A client application provisioned on the user's mobile device intercepts the addressed text SMS message and prompts whether the user wants to include voice content in the text SMS message. If the user chooses to include voice content, the user's voice message is recorded on a server. The text message along with a notification of the voice message is transmitted to the addressed recipient. The recipient may use the voice message notification to access and listen to the user's recorded voice message.

The method and system disclosed herein can be implemented using standard wireless telephone devices capable of sending and receiving text SMS messages. Further, the disclosure herein is not limited to wireless phones but will also work with wired line phones with SMS capabilities and services over such wireline devices.

BRIEF DESCRIPTION OF DRAWINGS

The foregoing summary, as well as the following detailed description of the invention, is better understood when read in conjunction with the appended

drawings. For the purpose of illustrating the invention, exemplary constructions of the invention are shown in the drawings. However, the invention is not limited to the specific methods and instrumentalities disclosed herein.

FIGURE 1 illustrates a method for integrating voice content with text content in a wireless text messaging service.

FIGURE 2A illustrates a method for addressing a voice short message service (SMS) message with the methods of single recipient addressing as used by text SMS messaging.

FIGURE 2B illustrates a method for addressing a voice SMS message with the methods of multiple recipient addressing as used by text SMS messaging.

FIGURE 3A exemplarily illustrates a system for voice short message service messaging.

FIGURE 3B illustrates a system for addressing a voice SMS message with the methods of addressing as used by text SMS messaging.

FIGURE 4 illustrates a first embodiment of the method for sending a voice SMS message to a single recipient using a client application.

FIGURE 5 illustrates a second embodiment of the method for sending a voice SMS message to a single recipient using a client application.

FIGURE 6 illustrates a third embodiment of the method for sending a voice SMS message to a plurality of recipients using a client application.

FIGURE 7 illustrates a fourth embodiment of the method for sending a voice SMS message to a plurality of recipients, using a client application.

DETAILED DESCRIPTION OF THE INVENTION

FIGURE 1 illustrates the method for integrating voice content with text content in a wireless text messaging service. In the disclosed method, voice short message service (SMS) messaging is combined with the standard methods of recipient addressing as employed in text SMS messaging.

A client application **201a** is provided **101** on a user's mobile device **201**. In one embodiment, the client application **201a** resides in a native application environment **304** present on the mobile device **201**. The native application environment **304** is specific to the internal operating system used in the mobile device **201**. The native application is provided to enable access to the internal operating system and to the device functionalities of the mobile device **201**. Examples of internal operating systems used in mobile devices include Symbian of Symbian Ltd., Windows® of Microsoft Inc., Linux, Mac OS from Apple Inc., etc., that may support a high level language interface such as Java™ of Sun Microsystems Inc. The client application **201a** intercepts normal text SMS messaging operations such as addressing, composing the text message, sending the text message, etc.

In another embodiment, the client application **201a** resides on the subscriber identity module (SIM) card of the mobile device **201**. The client application **201a** is deployed on to the mobile device **201** via one of a mobile network, a general packet radio service (GPRS) technology, an SMS, or preloaded on to the SIM of the mobile device **201**.

The user **202** creates **102** a text SMS message employing the user interface **201c** provided on the mobile device **201**. The user **202** then addresses **103** the text message to specific recipients using the standard methods for addressing text SMS message. A recipient's address may be a mobile station integrated services digital

network (MSISDN) number or a telephone number. In one embodiment, the recipient's address may be stored in a native address book on the mobile device **201**. In another embodiment, the recipient's address may be stored on the SIM of the mobile device **201**. The user **202** may also address the text message by manually entering the recipient's address, for example the MSISDN number, on the mobile device **201**.

In order to integrate **104** the text SMS message with voice content, the client application **201a** intercepts **104a** the addressed text SMS message. The client application **201a** then prompts **104b** the user **202** as to whether a voice SMS message needs to be included. If the user **202** prefers not include a voice SMS message, the client application **201a** sends the intercepted text SMS message to the recipient. If the user **202** prefers to additionally add a voice SMS message, the client application **201a** connects the mobile device **201** to a server **314**. The user's voice message is recorded and stored on the server **314**.

A voice message notification is attached to the text SMS message and transmitted **105** to the addressed recipients. The recipients on receiving the text SMS message may use the information in the voice message notification to access and listen to the user's voice message stored on the server **314**.

FIGURE 2A illustrates the method for addressing a voice SMS message with the methods of single recipient addressing as used by text SMS messaging. In order to send an SMS message **203** to a particular recipient, the user **202** may use the recipient address stored in a native address book. The native address book may be stored in a memory storage means **201b** of the mobile device **201** or on the SIM of the mobile device **201**. The native address book stores multiple addresses from which the user **202** may select the recipient's address. Once the text SMS message is addressed to a recipient using a built-in text SMS application **301**, the text SMS message is intercepted **204** by a client application **201a**. The user **202** is then prompted by the client application **201a** to add a voice SMS message **205**. In

order to create a voice SMS message; the client application **201a** connects the user's mobile device **201** to a server **314** for recording the user's voice message. The server **314** is further provided with information about the recipient to whom a voice message notification has to be sent. The user's voice message is recorded on the server **314** and a voice message notification is attached to the text SMS message. The text SMS message along with the voice message notification is then sent to the addressed recipient **206**. In one embodiment, if the text message body is blank, the recipient's information may be sent to the server **314** by transmitting the dial string '*MSISDN' to the server **314** as part of the connection process. If the message body is not blank, it is advantageous to send the recipient information before or as a part of the connection process to the server **314**. For example, the address information could be sent via out-of-band signaling unstructured supplementary service data (USSD) or as a background text SMS message containing the address and text information.

The method of addressing a voice SMS message to a single recipient described above, additionally allows the user **202** to address voice SMS messages by using the recipient's address from the user's call history stored on the mobile device. During voice SMS messaging, the methods of addressing, message creation, message sending, etc., ensures that the user experience remains unchanged from that of text SMS messaging.

FIGURE 2B illustrates a method for addressing a voice SMS message with the methods of multiple recipient addressing as used by text SMS messaging. The client application **201a** may allow the user **202** to send a common voice SMS message to a plurality of recipients. The plurality of recipients may be addressed by common group messages enhanced with voice SMS messaging capability. When the text SMS message is addressed **207** to a plurality of recipients using a built-in text SMS application **301**, the text SMS message is intercepted **208** by a client application **201a**. The user **202** is then prompted to add a voice SMS message **209**. Upon the user's confirmation of including a voice SMS message in

the intercepted text SMS message, the user's mobile device **201** is connected to a server **314**. The user's voice message is then recorded on to the server **314** and a voice message notification is attached to the text SMS message. The text SMS message along with the voice message notification is sent to the plurality of recipients **210**. In one embodiment of the disclosed method, a reply option may be provided to each of the plurality of recipients. Upon receiving a voice SMS message, each of the recipients may use voice SMS messaging to reply back to the user. Each recipient may further reply to the user's voice SMS message using a group reply option. In another embodiment, a reply-all option may be employed in group messages. Using the reply-all option a particular recipient may send a voice SMS message to all the other recipients including the user **202**.

The following application scenario expands on the method of addressing a voice SMS message to multiple recipients.

Alice creates a text SMS message and addresses the message to Bob and Mary. Alice uses the addresses of Bob and Mary stored in an address book. The address book may be stored on Alice's mobile device.

The addressed text SMS message is intercepted by the client application **201a** on Alice's mobile device. The client application **201a** prompts Alice on her mobile device display, 'Do you want to add a voice message?' Alice selects the 'Yes' option, using the user interface **201c** on her mobile device. The client application **201a** connects the mobile device to a server **314** through a wireless network interface. Alice speaks on her mobile device, and her voice is recorded at the server **314**. In addition, the addressed text message is sent to the server **314**.

The server **314** adds a voice message notification, 'You have received a new Voice message' in the addressed text message and sends the message to Bob and Mary. Bob and Mary, upon receiving the text SMS message may click on a 'Listen to Voice message' link included in the voice message notification. On

clicking the link, Bob and Mary may directly listen to Alice's voice message. Alternatively, the recipients may dial the number in the voice message notification. The number may be a short code, such as *0*, providing access to all new messages.

When a voice SMS message is delivered to a plurality of recipients, the recipients may hear one or more of the following: an optional text to speech conversion (TTS) of the text SMS message, for example: "Restaurant Choice may change"; or any additional audio recorded with the message.

FIGURE 3A exemplarily illustrates a system for voice short message service messaging. The system disclosed herein comprises a mobile device **201** and the server **314** connected via a network **313**. The mobile device **201** comprises a client application **201a**, a user interface **201c**, and a memory storage means **201b**. The client application **201a** integrates voice content to a text message created by a user **202** using methods of recipient addressing as used by text short message service messaging. The client application **201a** may be implemented in the application layer, or in the hardware and firmware layer of the mobile device **201** as illustrated in **FIGURE 3B**. The user **202** accesses a list of addresses of recipients stored in the memory storage means **201b** of the mobile device **201**. The user **202** inputs voice messages and text messages through the user interface **201c** on the mobile device **201**. The server **314** stores the voice messages of the user and transmits a voice message notification with a text message to addressed recipients. In an embodiment, the server **314** may comprise one or more servers or hardware devices, each performing one or more functionalities. For example, the server **314** may comprise a first server **314a** and a second server **314b**. The first server **314a** may store the voice SMS messages of the user. The second server **314b** may transmit text SMS messages along with the attached voice message notification to the addressed recipients.

FIGURE 3B illustrates a system for addressing a voice SMS message with the methods of addressing as used by text SMS messaging. The system disclosed comprises three layers. The first layer **312** is an application layer comprising a built-in text SMS application **301**, a Java sandbox **302** and a native application environment **304**. The second layer **307** is an operating system layer. The operating system may be one of Symbian, Windows, Linux, etc. The third layer **308** is a hardware and firmware layer comprising a SIM toolkit environment **310** and a network interface **309**.

A client application **201a** is used for creating and sending a voice SMS message. The client application **201a** may be implemented in the first layer **312**, i.e. the application layer, or in the third layer **308**, i.e. the hardware and firmware layer of the mobile device **201**. The client application **201a** implemented on the first layer **312** is specific to the operating system of the mobile device **201**. The internal operating system may support a high level language interface such as Java. The high level language Java client **303** is executed on a Java sandbox **302**. The client application **201a** in the first layer **312** may be one of, but not restricted to, a binary runtime environment for wireless (BREW) client **306**, a Java client **303** or a Symbian client **305** residing in the native application environment **304**. The client application **201a** in the third layer **308** is a SIM toolkit application **311** residing on a SIM toolkit environment **310**. The user **202** creates and addresses a text SMS message using a built-in text SMS application **301** such as an SMS client. The network interface **309** of the mobile device **201** transmits and receives text messages, voice messages, voice calls, etc., over the wireless network **313**. The network interface **309** includes interfaces such as the data interfaces to short message services center and the telephony interfaces for voice connections.

The system disclosed herein uses a server **314** for recording the user's voice message and transmitting the recorded voice message to addressed recipients. The server **314** may comprise a first server **314a** and a second server **314b** as illustrated in **FIGURE 3A**. The first server **314a** stores voice SMS

message inputted by the user. The second server **314b** transmits a text SMS message along with an attached voice message notification to the addressed recipients.

FIGURE 4 illustrates a first embodiment of a method for sending a voice SMS message to a single recipient using a client application **201a**. In the example shown in **FIGURE 4**, the operating system is Symbian and the client application **201a** is a native Symbian client **305**. A user **202** addresses a text SMS message **401** using a built-in text SMS application **301** on the mobile device **201**. The text SMS message is addressed to a single recipient using the recipient's address stored in the native address book or other integrated source of address such as the user's call history. The user **202** may also address the text SMS message by manually inputting the recipient's address on the mobile device **201**.

The native Symbian client application **305** intercepts **402** the addressed text SMS message. The user **202** is prompted whether a voice SMS message needs to be included or not, and accordingly makes a call to the server **314** or sends the addressed text SMS message **404**. If the user **202** chooses to add **403** a voice SMS message, the user **202** is connected to a server **314** through the network interface **309** provided as a part of the mobile device's hardware. In order to record the voice message, the user **202** may be connected to the server **314** to record the voice message on the server **314** or the message may be recorded locally by the client and later transmitted to the server **314** in the network **313**. After the recording is complete, a voice message notification is added in the text SMS message and transmitted to the addressed recipient **405a**. The voice message notification may be added to the text SMS message by forwarding the addressed text SMS message to the server **314** via a data transport such as SMS, USSD, or Hypertext Transfer Protocol (HTTP). The voice notification is added to the addressed text SMS message in the server **314**. In another embodiment, the voice message notification may be added to the addressed text SMS message by the client application **201a**. The client application **201a** communicates with the server

314 and receives the information required for the construction of the voice message notification from the server 314. The client application 201a based on the received information may add the voice message notification to the text SMS message. Information required to construct the voice message notification optionally includes the notification template (SMS text) and information as discussed in Indian patent application number 4503/CHENP/2006 titled "Methods for Identifying Messages and Communicating with Users of a Multimodal Message Service". The recipient may access the recorded voice message on the server 314 through the information included in the voice message notification. If the user 202 chooses to send a text message without including a voice message, the message is sent to the recipient as a normal text message 405b.

FIGURE 5 illustrates a second embodiment of the method for sending a voice SMS message to a single recipient, using a client application 201a. The second embodiment of the disclosed system is functionally similar as that of the first embodiment. However, the client application 201a is implemented as a SIM toolkit application 311 in a SIM toolkit environment 310. A user addresses 401 a text SMS message using a built-in text SMS application 301 on the user's mobile device 201. The text SMS message is addressed to a single recipient using the recipient's address stored in the native address book. The SIM toolkit application 311 intercepts 402 the addressed text SMS message. The user 202 is prompted whether to include a voice SMS message or not, and accordingly makes a call to the server 314 or sends the addressed text SMS message 404. If the user 202 chooses to add 403 a voice SMS message, the user 202 is connected to a server 314 through the network interfaces 309 provided as a part of the mobile device's hardware/firmware 308. The user 202 records the voice message on the server 314. On completion of recording of the voice message, a voice message notification is added to the text SMS message and transmitted to a recipient 405a.

The voice message notification may be added to the text SMS message by forwarding the addressed text SMS message to the server 314 via a data transport

such as SMS, USSD or HTTP. The voice notification is added to the addressed text SMS message in the server 314. In another embodiment, the voice message notification may be added to the addressed text SMS message by the client application 201a. The client application 201a communicates with the server 314 and receives the information required for the construction of the voice message notification from the server 314. The client application 201a based on the received information may add the voice message notification to the text SMS message. The recipient may access the recorded voice message on the server 314 through the information included in the voice message notification. If the user 202 chooses to send a text message without including a voice message, a text message is sent to the recipient as a normal text message 405b. The recipient is provided with an option of replying to the received voice SMS message.

FIGURE 6 illustrates a third embodiment of the method for sending a voice SMS message to a plurality of recipients, using a client application 201a. Exemplarily, the client application 201a is the native Symbian application residing in the native application environment 304. A text message is sent 401 by the user 202 and addressed to a plurality of recipients using a built-in text SMS application 301 residing on the user's mobile device 201. The user 202 addresses the text SMS message to the plurality of recipients by selecting the recipients' addresses from the native address book stored on the mobile device 201 or on the SIM of the mobile device 201, and other integrated source of addresses such as the user's call history.

The addressed text message is intercepted 402 by the Symbian application residing on the native application environment 304. The user 202 is prompted whether a voice SMS message needs to be included or not, and accordingly makes a call to the server 314 or sends the addressed text SMS message 404. If the user 202 chooses not to include the voice message, the text SMS is sent to each of the plurality of recipients. If the user 202 chooses to add 403 a voice SMS message, the user 202 is connected to a server 314 through the network interfaces 309

provided as a part of the mobile device's hardware. In one embodiment the user **202** records the voice message on to a server **314** through a direct access (DA) link **405c** or by using a direct access number to connect to the server **314**. DA links / numbers are provisioned to the client application **201a** over the air (OTA), for example via SMS, during initialization phase. Over the Air (OTA) provisioning allows the delivery of the DA links/numbers that the client application **201a** will use when communicating message sequence information to the server **314**. In another embodiment an unstructured supplementary service data (USSD) channel may be employed to activate a DA link to record the voice message. The DA and USSD are used to communicate message sequence information to associate the voice call with the corresponding recorded voice message. The message sequence information could take the form of a unique number generated by the client application **201a**. The generated unique number is communicated to the server **314** in the network **313** to enable the network server **314** to associate an incoming call for messages being sent at nearly identical times and/or to accommodate delay and altered order in the arrival of SMS text messages at the server **314** in the network **313**. After the user's voice message is recorded, a voice message notification is added to the text SMS message. The text SMS message along with the voice message notification is sent to each of the plurality of recipients.

Upon receiving a voice SMS message, each of the recipients may use voice SMS messaging to reply back to the user **202**. In another embodiment, a reply-all option may be employed in group messages. Using the reply-all option a particular recipient may send a voice SMS message to all the other recipients including the user **202**.

FIGURE 7 illustrates a fourth embodiment of the method for sending a voice SMS message to a plurality of recipients, using a client application **201a**. In the fourth embodiment, the client application **201a** is the SIM toolkit application **311** residing in the SIM toolkit environment **310**. A user **202** addresses **401** a text

SMS message to a plurality of recipients, using a built-in text SMS application 301 residing on the user's mobile device 201. The user 202 addresses the text SMS message to the plurality of recipients by selecting the recipients' addresses from the native address book of the mobile device 201, from the SIM present on the mobile device 201, or from other integrated sources of addresses such as call history.

The addressed text SMS message is intercepted 402 by the SIM toolkit application 311. The user 202 is prompted whether a voice SMS message needs to be included or not, and accordingly makes a call to the server 314 or sends the addressed text SMS message 404. If the user 202 chooses not to include the voice message, the text SMS message is directly sent to each of the plurality of recipients. If the user 202 chooses to add 403 a voice SMS message, the user 202 is connected to a server 314 through the network interfaces 309 provided as a part of the mobile device's hardware. In one embodiment the user 202 records the voice message on to the server 314 through a direct access (DA) link 405c or by using a direct access number to connect to the server 314. DA links / numbers are provisioned to the client application 201a over the air (OTA), for example via SMS, during initialization phase. Over the Air (OTA) provisioning allows the delivery of the DA links/numbers that the client application 201a will use when communicating message sequence information to the server 314. In another embodiment an unstructured supplementary service data (USSD) channel may be employed to activate a DA link to record the voice message. The DA and USSD are used to communicate message sequence information to associate the voice call with the corresponding recorded voice message. The addressed text SMS message is attached with a voice message notification. The recipients may use the voice message notification to access the voice message recorded on the server 314. The text SMS message along with the notification is sent to each of the plurality of recipients.

It will be readily apparent to those skilled in the art that the various methods and algorithms described herein may be implemented in a computer readable medium, e.g., appropriately programmed for general purpose computers and computing devices. Typically a processor, for e.g., one or more microprocessors will receive instructions from a memory or like device, and execute those instructions, thereby performing one or more processes defined by those instructions. Further, programs that implement such methods and algorithms may be stored and transmitted using a variety of media, for e.g., computer readable media in a number of manners. In one embodiment, hard-wired circuitry or custom hardware may be used in place of, or in combination with, software instructions for implementation of the processes of various embodiments. Thus, embodiments are not limited to any specific combination of hardware and software. A "processor" means any one or more microprocessors, Central Processing Unit (CPU) devices, computing devices, microcontrollers, digital signal processors, or like devices. The term "computer-readable medium" refers to any medium that participates in providing data, for example instructions that may be read by a computer, a processor or a like device. Such a medium may take many forms, including but not limited to, non-volatile media, volatile media, and transmission media. Non-volatile media include, for example, optical or magnetic disks and other persistent memory volatile media include Dynamic Random Access Memory (DRAM), which typically constitutes the main memory. Transmission media include coaxial cables, copper wire and fiber optics, including the wires that comprise a system bus coupled to the processor. Transmission media may include or convey acoustic waves, light waves and electromagnetic emissions, such as those generated during Radio Frequency (RF) and Infrared (IR) data communications. Common forms of computer-readable media include, for example, a floppy disk, a flexible disk, hard disk, magnetic tape, any other magnetic medium, a Compact Disc-Read Only Memory (CD-ROM), Digital Versatile Disc (DVD), any other optical medium, punch cards, paper tape, any other physical medium with patterns of holes, a Random Access Memory (RAM), a Programmable Read Only Memory (PROM), an Erasable

Programmable Read Only Memory (EPROM), an Electrically Erasable Programmable Read Only Memory (EEPROM), a flash memory, any other memory chip or cartridge, a carrier wave as described hereinafter, or any other medium from which a computer can read. In general, the computer-readable programs may be implemented in any programming language. Some examples of languages that can be used include C, C++, C#, or JAVA. The software programs may be stored on or in one or more mediums as an object code. A computer program product, comprising computer executable instructions embodied in a computer-readable medium, comprises computer parsable codes for the implementation of the processes of various embodiments.

The present invention can be configured to work in a network environment including a computer that is in communication, via a communications network, with one or more devices. The computer may communicate with the devices directly or indirectly, via a wired or wireless medium such as the Internet, Local Area Network (LAN), Wide Area Network (WAN) or Ethernet, Token Ring, or via any appropriate communications means or combination of communications means. Each of the devices may comprise computers, such as those based on the Intel[®] processors, AMD[®] processors, UltraSPARC[®] processors, etc. that are adapted to communicate with the computer. Any number and type of machines may be in communication with the computer.

The foregoing examples have been provided merely for the purpose of explanation and are in no way to be construed as limiting of the present method and system disclosed herein. While the invention has been described with reference to various embodiments, it is understood that the words, which have been used herein, are words of description and illustration, rather than words of limitations. Further, although the invention has been described herein with reference to particular means, materials and embodiments, the invention is not intended to be limited to the particulars disclosed herein; rather, the invention extends to all functionally equivalent structures, methods and uses, such as are

within the scope of the appended claims. Those skilled in the art, having the benefit of the teachings of this specification, may effect numerous modifications thereto and changes may be made without departing from the scope and spirit of the invention in its aspects.

CLAIMS

I/We claim:

1. A method for voice short message service messaging, comprising the steps of:

providing a client application on a mobile device;

creating a text message by a user on said mobile device;

addressing said text message to a recipient;

integrating voice content to the text message using methods of recipient addressing as used by text short message service messaging, comprising the steps of:

intercepting said addressed text message by said client application;

prompting said user to include a voice message with the addressed text message; and

transmitting a voice message notification with the addressed text message to said recipient.

2. The method of claim 1, wherein said step of addressing comprises obtaining an address of the recipient from an address book stored on the mobile device.

3. The method of claim 2, wherein said address is stored in a memory storage means of the mobile device.

4. The method of claim 2, wherein said address is stored in a subscriber identity module of the mobile device.

5. The method of claim 1, wherein said step of addressing comprises obtaining addresses of recipients from a call history stored on the mobile device.

6. The method of claim 1, wherein said step of transmitting said voice message notification further comprises the steps of:

forwarding the addressed text message to a server;

attaching the voice message notification to the addressed text message in said server; and

sending the addressed text message with said attached voice message notification to the recipient.

7. The method of claim 1, wherein said step of transmitting said voice message notification further comprises the steps of:

receiving notification construction information by the client application from a server;

attaching the voice message notification to the addressed text message in the client application using said notification construction information; and

sending the addressed text message with said attached voice message notification to the recipient.

8. The method of claim 1, wherein said step of integrating voice content to the text message further comprises a step of recording said voice message on a server.

9. The method of claim 1, wherein said voice message notification is transmitted to a plurality of recipients.

10. The method of claim 9, wherein said plurality of recipients are provided with a group reply option to each of the plurality of recipients upon receiving the voice message notification and the text message.

11. A system for voice short message service messaging, comprising:

a client application on a mobile device, wherein said client application integrates voice content to a text message created by a user using methods of recipient addressing as used by text short message service messaging;

a memory storage means on said mobile device for storing a list of addresses of recipients;

a user interface on the mobile device for said user to input voice messages and text messages; and

a server for remotely storing said voice messages of the user and for transmitting a voice message notification with an addressed text message to said recipients.

12. The system of claim 11, wherein said server comprises a first server for storing the voice messages of the user.

13. The system of claim 11, wherein said server comprises a second server for transmitting said voice message notification with said addressed text message to the recipients.

14. The system of claim 11, wherein the client application transmits one of a text message, a voice message, and a combination thereof.

15. The system of claim 11, wherein the client application is provided on an operating system of the mobile device.

16. The system of claim 11, wherein the client application is provided on a subscriber identity module of the mobile device.

17. A computer program product comprising computer executable instructions embodied in a computer-readable medium, said computer program product including:

a first computer parsable program code for creating a text message by a user on a mobile device;

a second computer parsable program code for addressing said text message to a recipient using an address stored on said mobile device;

a third computer parsable program code for integrating voice content to the text message using methods of recipient addressing as used by text short message service messaging, further comprising:

a fourth computer parsable program code for intercepting said addressed text message;

a fifth computer parsable program code for prompting said user to include a voice message with the addressed text message; and

a sixth computer parsable program code for transmitting a voice message notification with the addressed text message to said recipient.

ABSTRACT

Disclosed herein is a method and system for allowing voice short message service (SMS) messaging using methods of recipient addressing as used by text SMS messaging. A user creates a text SMS message and addresses the message to a recipient. The address of the recipient may be obtained from the address book stored locally on the user's mobile device. A client application intercepts the text SMS message and prompts whether the user wants to include a voice SMS message. If the user wants to include the voice SMS message, the user's voice message is recorded on a server. The text message along with a notification of the voice message is transmitted to the recipient. The recipient may use the information in the voice message notification to access and listen to the user's recorded voice message.

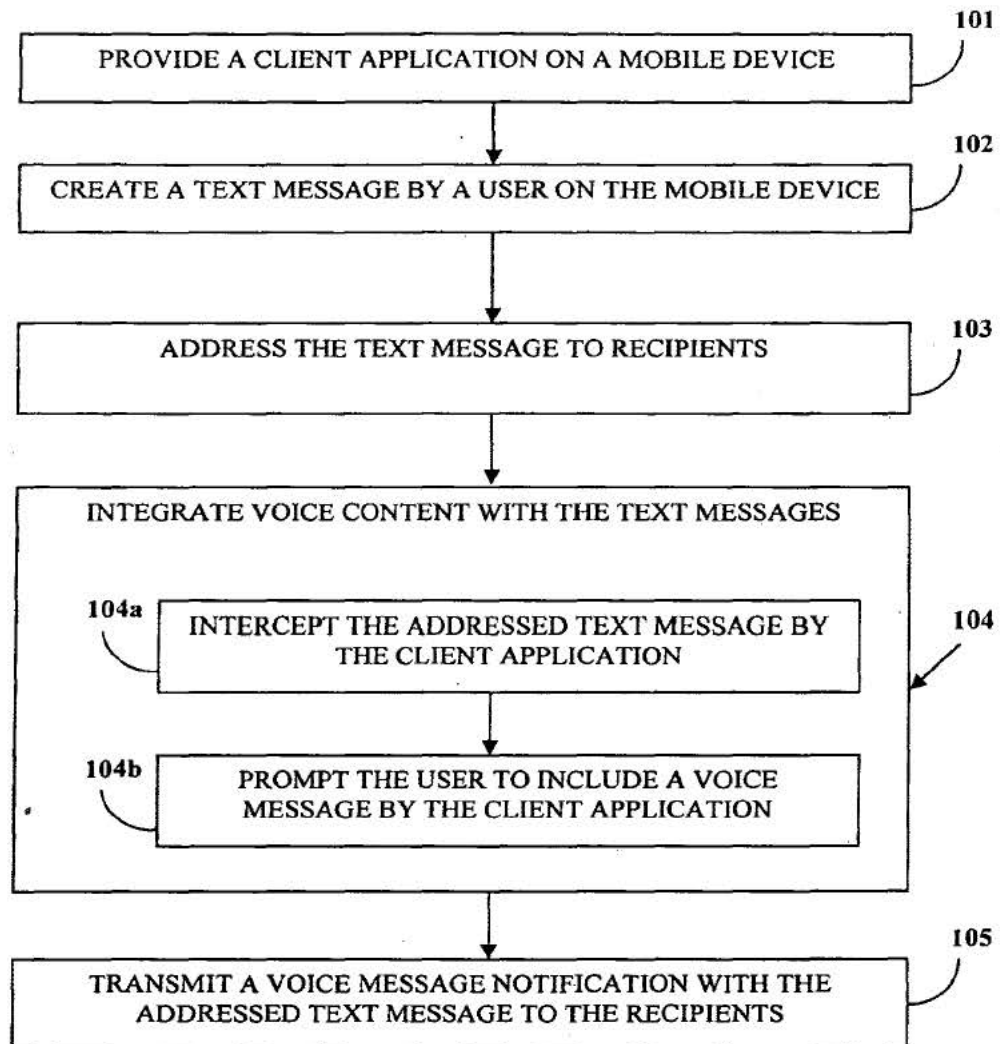


FIGURE 1

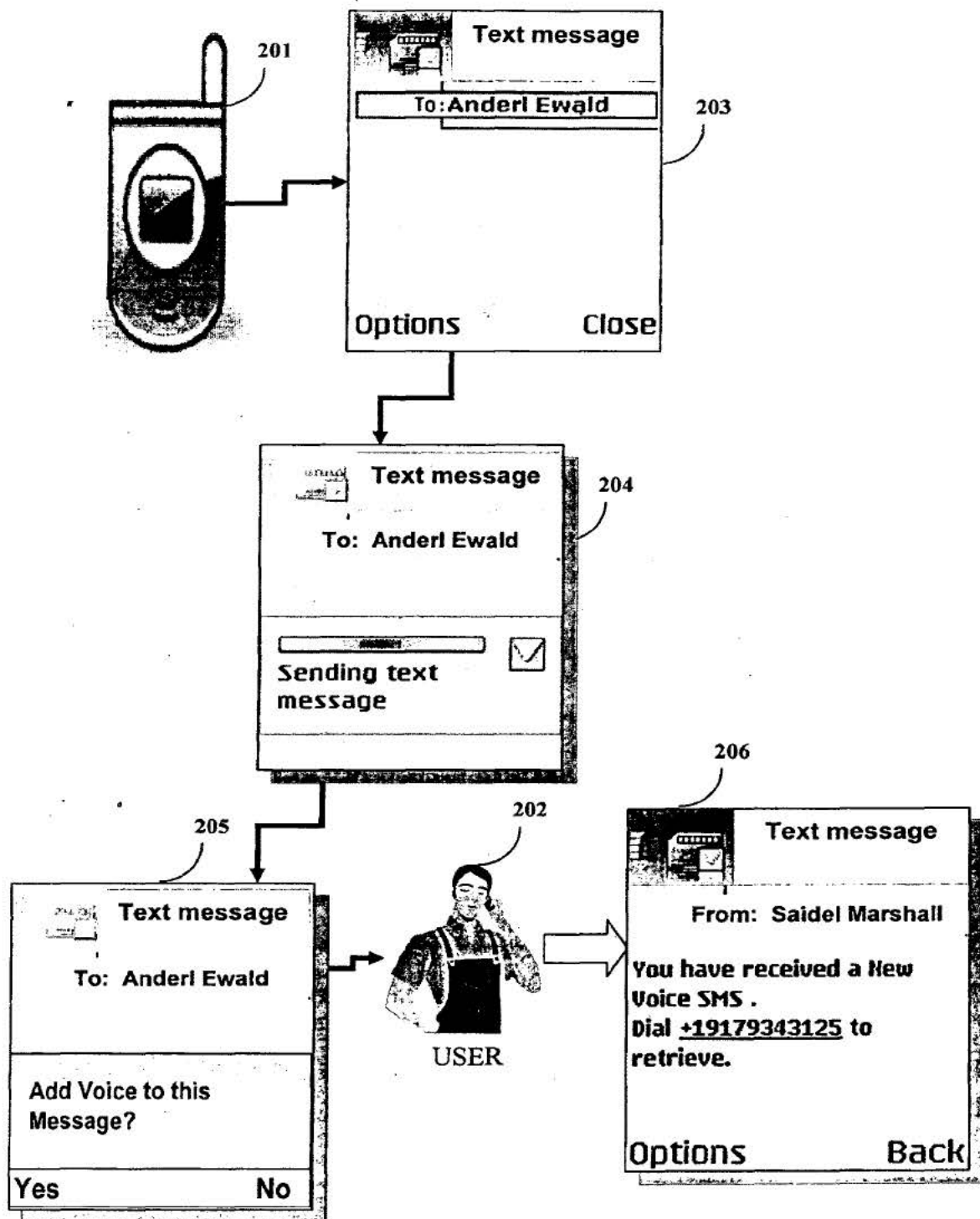


FIGURE 2A

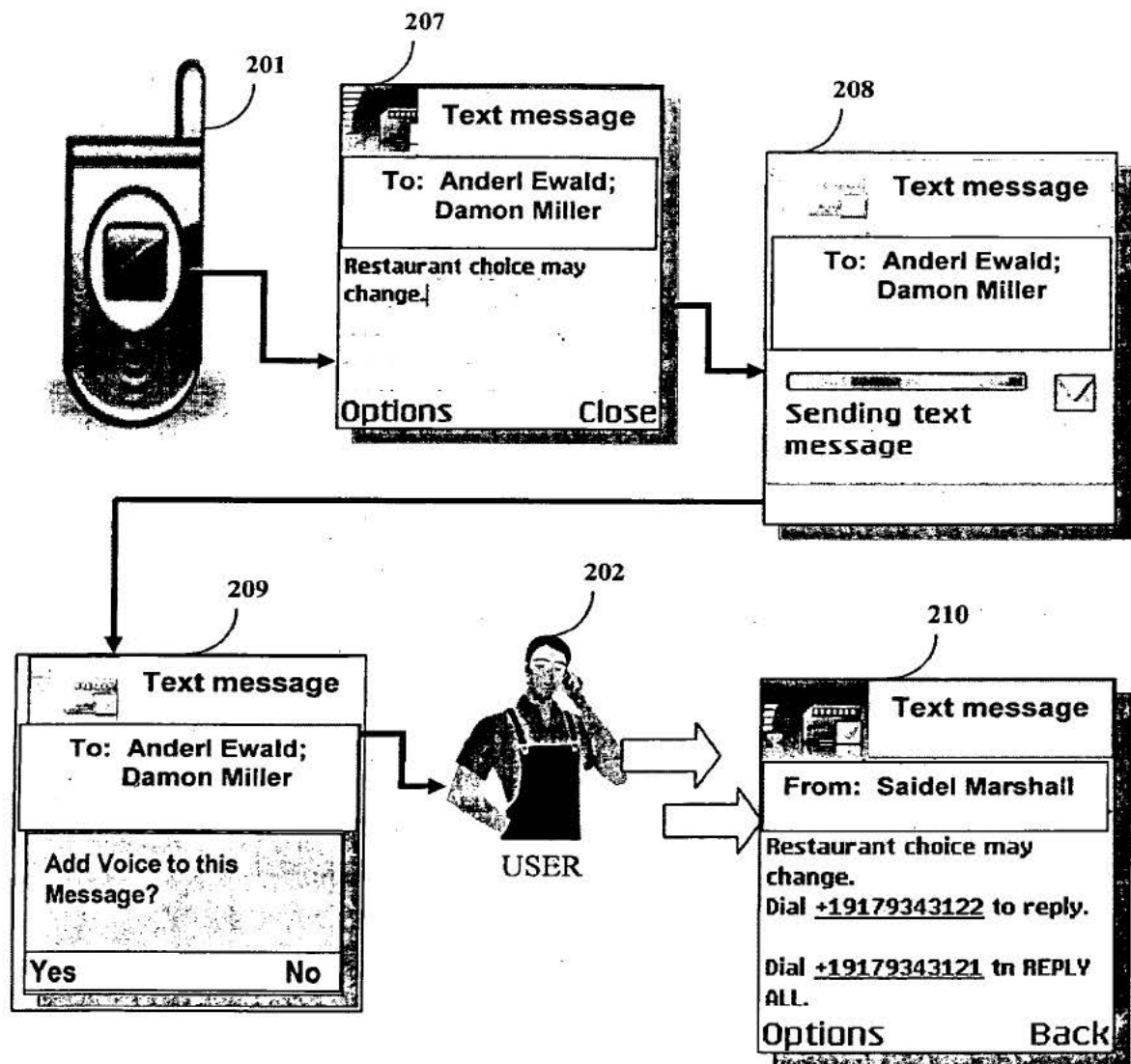


FIGURE 2B

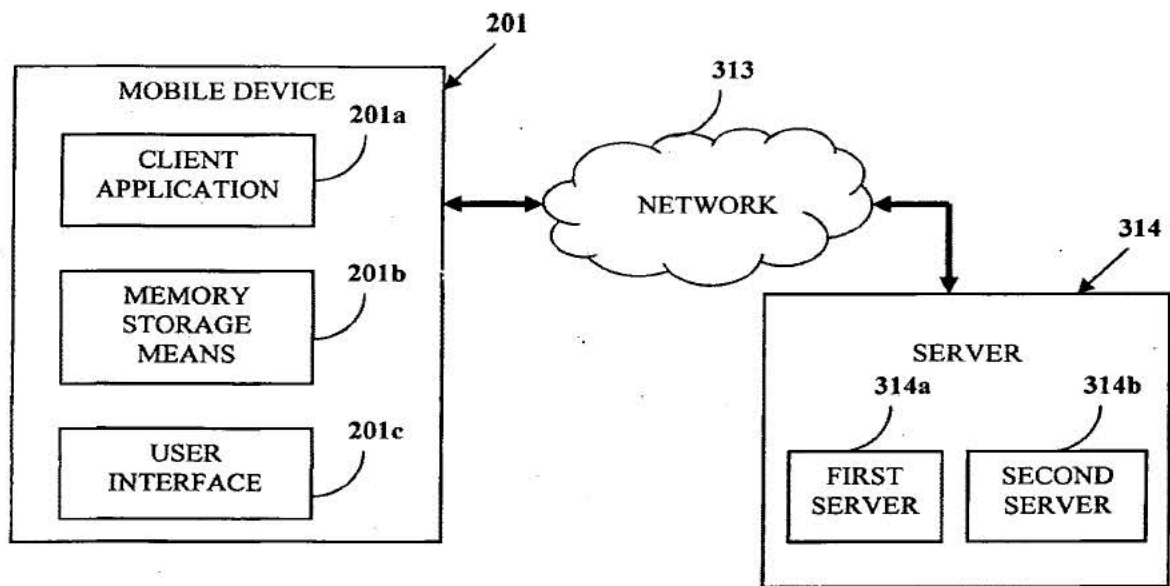


FIGURE 3A

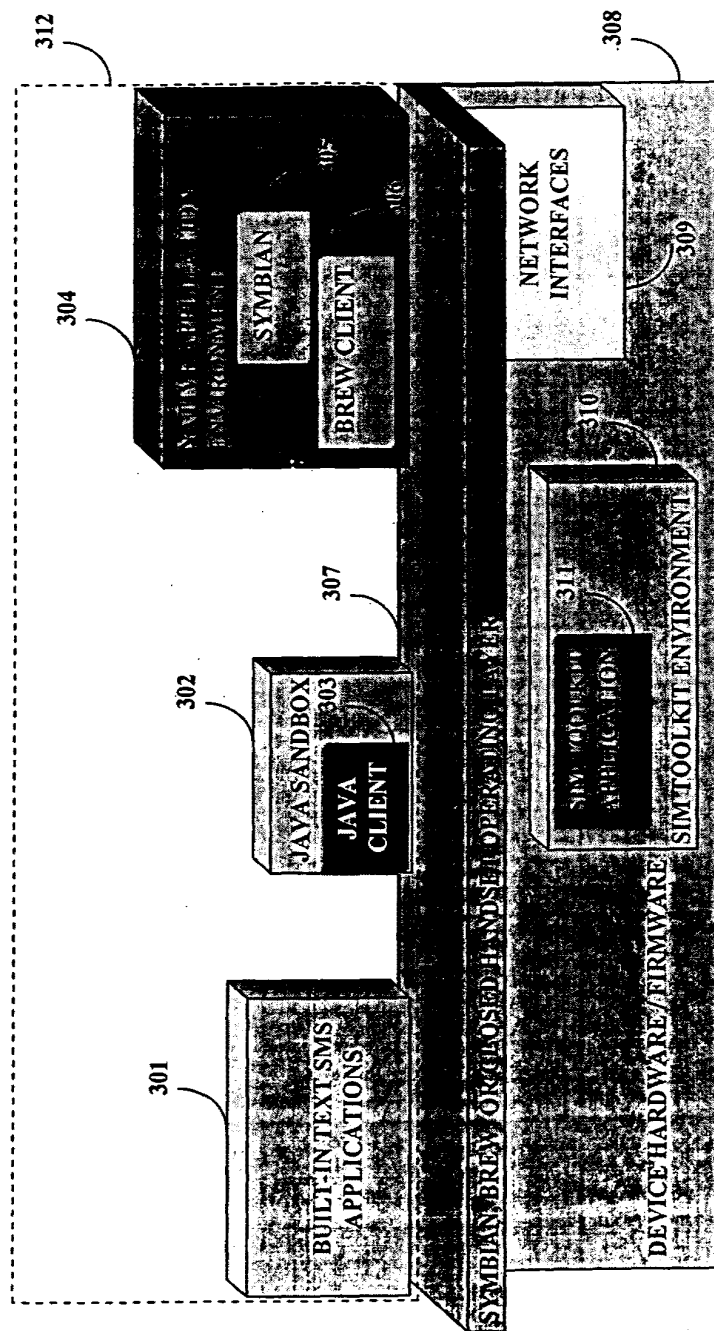


FIGURE 3B

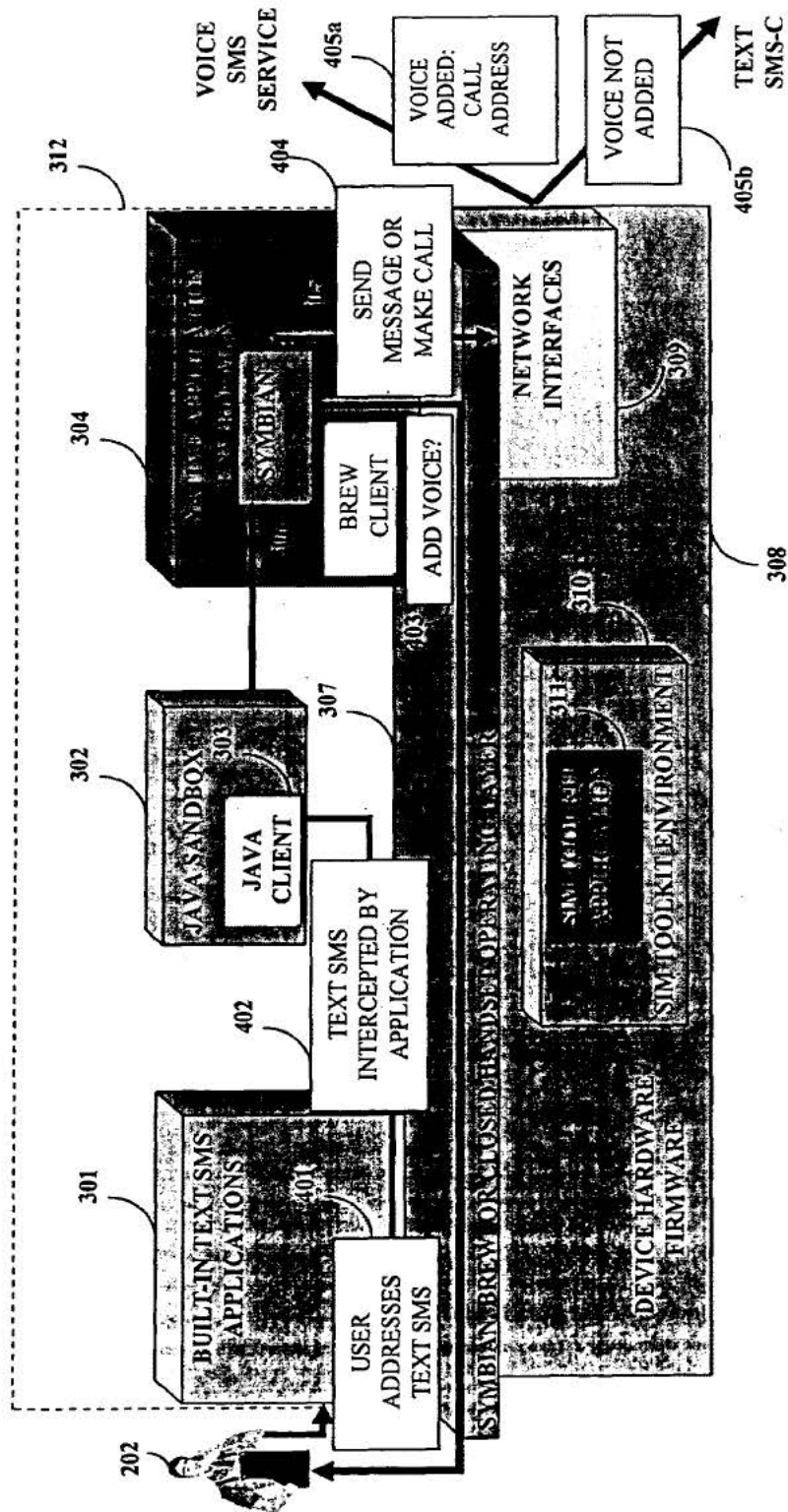


FIGURE 4

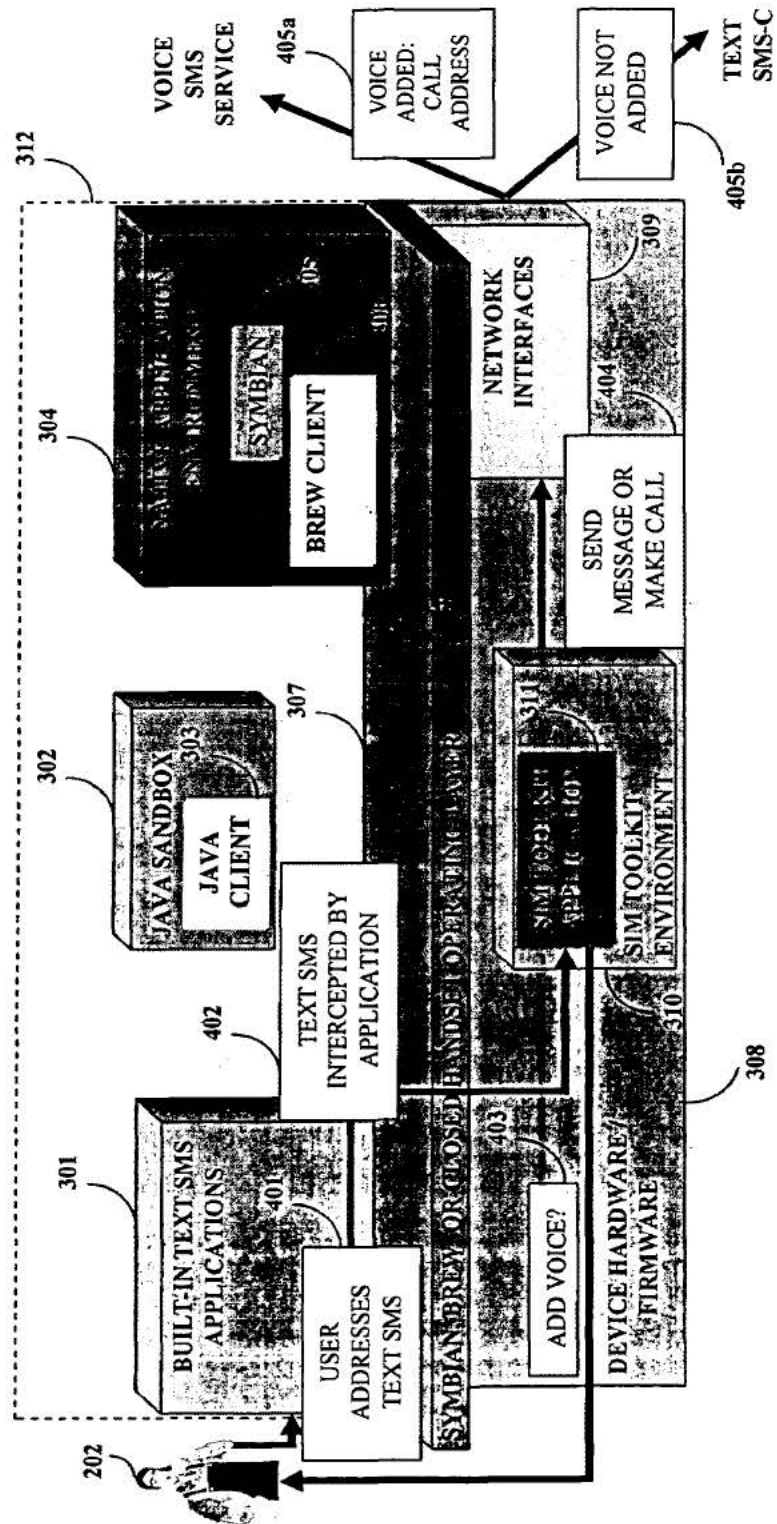
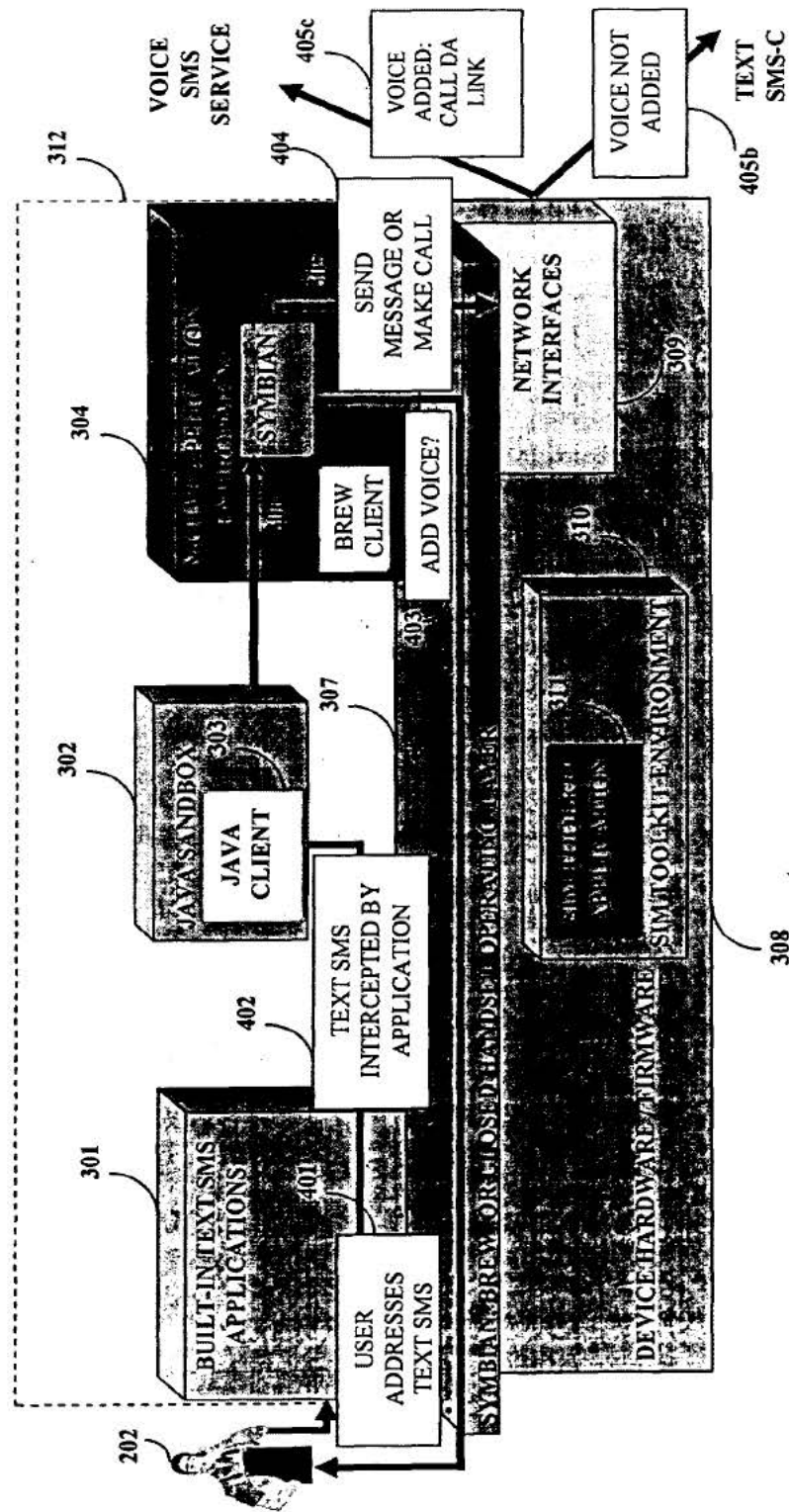


FIGURE 5



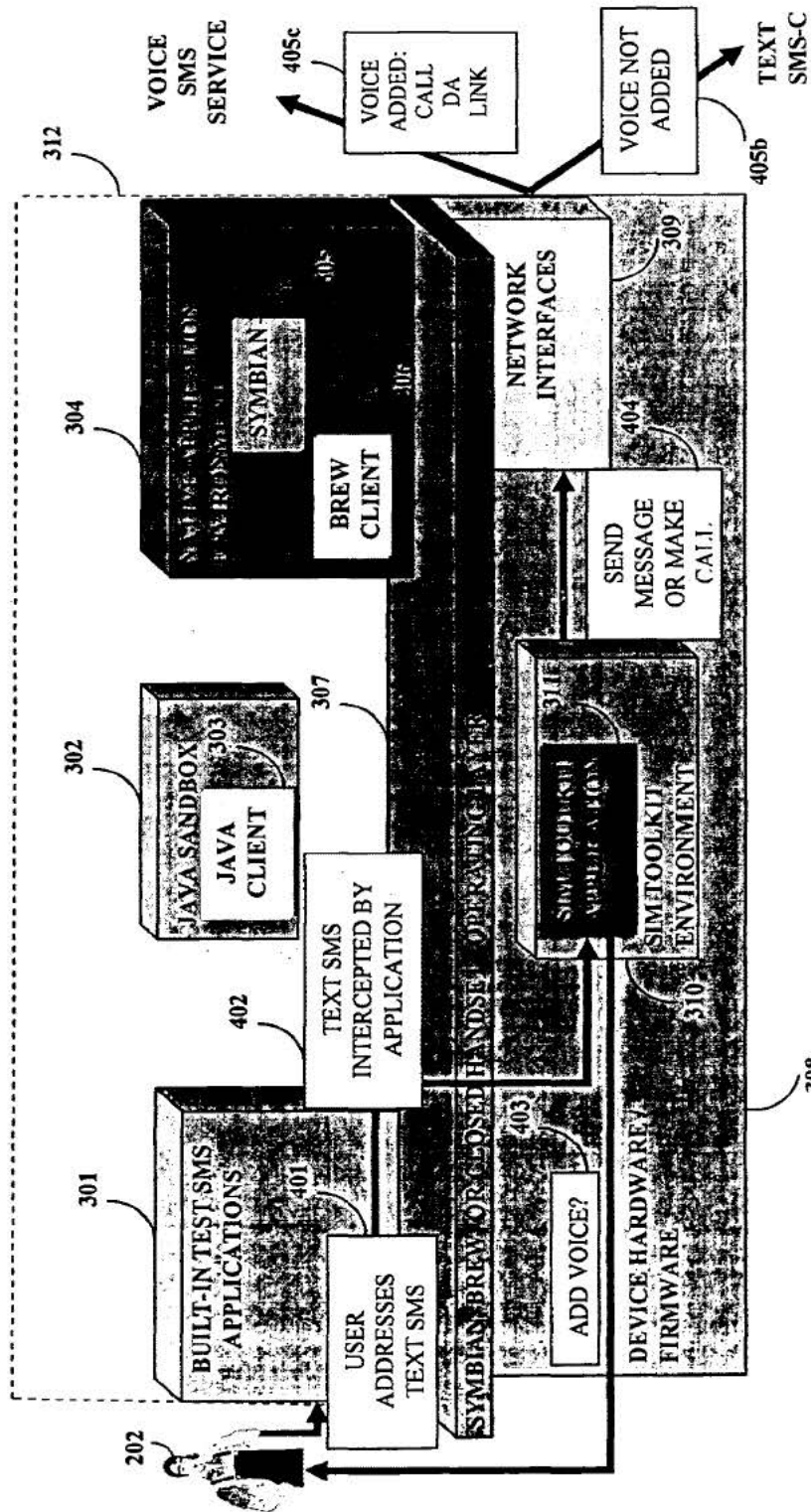


FIGURE 7



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CONFIRMATION NO. 9331

SERIAL NUMBER 12/056,300	FILING or 371(c) DATE 03/27/2008 RULE	CLASS 455	GROUP ART UNIT 2617	ATTORNEY DOCKET NO. KIRU-02-US		
APPLICANTS Ewald C. Anderl, Middletown, NJ; Ajay Kumar Thapar, Bangalore, INDIA; Chinna Marudhu Pandian Chockalingam, Bangalore, INDIA;						
** CONTINUING DATA ***** ** FOREIGN APPLICATIONS ***** INDIA 871/CHE/2007 04/25/2007 ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** ** SMALL ENTITY ** 04/10/2008						
Foreign Priority claimed ☒ Yes ☐ No 35 USC 119(a-d) conditions met ☒ Yes ☐ No Verified and Acknowledged <u>Examiner's Signature</u>		☒ Met after Allowance cb Initials	STATE OR COUNTRY NJ	SHEETS DRAWINGS 9	TOTAL CLAIMS 17	INDEPENDENT CLAIMS 3
ADDRESS Ashok Tankha 36 Greenleigh Drive Sewell, NJ 08080						
TITLE ADDRESSING VOICE SMS MESSAGES						
FILING FEE RECEIVED 435	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit		



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/056,300	03/27/2008	Ewald C. Anderl	KIRU-02-US	9331

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36 Greenleigh Drive
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7590 11/21/2011

EXAMINER

FAHNERT, MARISOL

ART UNIT PAPER NUMBER

2617

DATE MAILED: 11/21/2011

PRIORITY ACKNOWLEDGMENT

- ☒ 1. Receipt is acknowledged of priority papers submitted under 35 U.S.C. 119. The papers have been placed of record in the file.
- ☐ 2. Applicant's claim for priority, based on papers filed in parent Application Number _____ submitted under 35 U.S.C. 119, is acknowledged.
- ☐ 3. The priority papers, submitted _____, after payment of the issue fee are
- ☐ acknowledged
While the priority claim or certified copy filed will be placed in the file record, neither will be reviewed and the patent when published will not include the priority claim.
See 37 CFR 1.55(a)(2).
- ☐ not acknowledged since the processing fee in 37 CFR 1.17(i) has not been received.
- ☐ 4. For utility and plant applications filed on or after November 29, 2000, the priority claim is not entered because the claim was not presented within the time limit required by 37 CFR 1.55(a)(1). A petition to accept a delayed claim for priority under 35 U.S.C. 119(a) - (d) or (f), or 365(a) may be filed. See 37 CFR 1.55(c) and MPEP 201.14(a).

Charles Bowen

571-272-4200 or 1-888-786-0101
Application Assistance Unit
Office of Data Management

Electronic Patent Application Fee Transmittal				
Application Number:		12056300		
Filing Date:		27-Mar-2008		
Title of Invention:		ADDRESSING VOICE SMS MESSAGES		
First Named Inventor/Applicant Name:		Ewald C. Anderl		
Filer:		Ashok Tankha		
Attorney Docket Number:		KIRU-02-US		
Filed as Small Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl issue fee	2501	1	870	870
Publ. Fee- early, voluntary, or normal	1504	1	300	300

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
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Miscellaneous:				
Total in USD (\$)				1170

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APPLICATION NO.	FILING DATE	FIRST NAME(S) INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/045,300	03/27/2008	Ewald C. Anderl	KIRU-02-US	9331

TITLE OF INVENTION: ADDRESSING VOICE SMS MESSAGES

APPL. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$870	\$300	\$0	\$1170	01/04/2012

EXAMINER	ART UNIT	CLASS-SUBCLASS
FAHNET, MARISOL	2617	455-466000

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- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB-47, Rev. 01-01 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Ash Tankha
 Lipton, Weinberger & Husick
 2 _____
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 1.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

KIRUSA INC.

(B) RESIDENCE (CITY and STATE OR COUNTRY)

NEW JERSEY, USA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
- ☒ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s) (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature: /s/ tankha
 Typed or printed name: Ashok Tankha

Date: 27 December 2011
 Registration No.: 33802

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Electronic Acknowledgement Receipt

EFS ID:	11706321
Application Number:	12056300
International Application Number:	
Confirmation Number:	9331
Title of Invention:	ADDRESSING VOICE SMS MESSAGES
First Named Inventor/Applicant Name:	Ewald C. Anderl
Correspondence Address:	Ashok Tankha - 36 Greenleigh Drive - Sewell NJ 08080 US 856-266-5145 ash@ipprocure.com
Filer:	Ashok Tankha
Filer Authorized By:	
Attorney Docket Number:	KIRU-02-US
Receipt Date:	27-DEC-2011
Filing Date:	27-MAR-2008
Time Stamp:	01:27:27
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$1170

RAM confirmation Number	6549				
Deposit Account	503291				
Authorized User	TANKHA,ASHOK				
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)					
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	KIRU-02- US_Issue_Fee_Transmittal.pdf	445126 01dcf1be40879c8eb6074a72f9b11daef9e31169	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	31651 517980b4872fdacfeac069ec59bffc1bdfe19a7	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			476777		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number	12056300
Filing Date	2008-03-27
First Named Inventor	Ewald C. Anderl
Art Unit	2617
Examiner Name	Bost, Dwane D
Attorney Docket Number	KIRU-02-US

U.S. PATENTS

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

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Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20050286689	A1	2005-12-29	Petri Vuori	

If you wish to add additional U.S. Published Application citation information please click the Add button.

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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	02/49319	IL	A2	2002-06-20	Xcitel Ltd.		☐
Change(s) applied to document, /A.J.P./ 11/10/2011	2	2005/062976	~~US~~ WO	A2	2005-07-14	Kirusa Inc.		☐
	3	01/13656	EP	A1	2001-02-22	Telefonaktiebolaget LM Ericsson		☐



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/056,300	01/31/2012	8107978	KIRU-02-US	9331

7590 01/11/2012
Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 867 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Ewald C. Anderl, Middletown, NJ;
Ajay Kumar Thapar, Bangalore, INDIA;
Chinna Marudhu Pandian Chockalingam, Bangalore, INDIA;

Electronic Patent Application Fee Transmittal				
Application Number:		12056300		
Filing Date:		27-Mar-2008		
Title of Invention:		ADDRESSING VOICE SMS MESSAGES		
First Named Inventor/Applicant Name:		Ewald C. Anderl		
Filer:		Ashok Tankha		
Attorney Docket Number:		KIRU-02-US		
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
MAINTENANCE FEE DUE AT 7.5 YEARS	2552	1	1880	1880
PET. DELAY PYMT MAINTAIN PATENT IN FORCE	2558	1	1050	1050
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				2930

Electronic Acknowledgement Receipt

EFS ID:	42327805
Application Number:	12056300
Patent Number:	8107978
Confirmation Number:	9331
Petition Issued Date:	March 31,2021
Title of Invention:	ADDRESSING VOICE SMS MESSAGES
First Named Inventor/Applicant Name:	Ewald C. Anderl
Correspondence Address:	- - - - - - -
Filer:	Ashok Tankha
Filer Authorized By:	
Attorney Docket Number:	KIRU-02-US
Receipt Date:	31-MAR-2021
Filing Date:	27-MAR-2008
Time Stamp:	04:58:01
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
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Payment Type	CARD
Payment was successfully received in RAM	\$ 2930
RAM confirmation Number	E20213U559202875
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Petition automatically granted by EFS	petition-request.pdf	38737	no	2
			310bb0f90e9d2f2de63fb49d4ac468e5a914f9e		

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	31668	no	2
			ad2107dd5547887636f5b59bb092d2369dcf729a		

Warnings:

Information:

Total Files Size (in bytes):	70405
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

Patent Number	Issue Date	Application Number	Filing Date	Docket Number (if applicable)
8107978	31-Jan-2012	12056300	27-Mar-2008	

CAUTION: Maintenance fee (and surcharge, if any) payment must correctly identify: (1) the patent number and (2) the application number of the actual U.S. application leading to issuance of that patent to ensure the fee(s) is/are associated with the correct patent. 37 CFR 1.366(c) and (d).

Applicants claims the following fee status:

☒ Small Entity

☐ Micro Entity

☐ Regular Undiscounted

Applicants selects the following :

☐ 3 1/2

☒ 7 1/2

☐ 11 1/2

PETITION FEE

The petition fee required by 37 CFR 1.17(m) (Fee Code 1558/2558) must be paid as a condition of accepting unintentionally delayed payment of the maintenance fee.

MAINTENANCE FEE (37 CFR 1.20(e)-(g))

The appropriate maintenance fee must be submitted with this petition.

STATEMENT

The delay in payment of the maintenance fee for this patent was unintentional.

Petitioner is reminded that a delay resulting from a deliberately chosen course of action or a change in circumstance is not an unintentional delay.

Petitioner is further reminded that a person seeking reinstatement of an expired patent should not make a statement that the delay in payment of the maintenance fee was unintentional unless the entire delay was unintentional, including the period from discovery that the maintenance fee was not timely paid until payment of the maintenance fee. For example, a statement that the delay in payment of the maintenance fee was unintentional would not be proper when the patentee becomes aware of an unintentional failure to timely pay the maintenance fee and then intentionally delays filing a petition for reinstatement of the patent under 37 CFR 1.378. See MPEP 2590.

NOTE: Where the petition under 37 CFR 1.378 is filed more than two years after the date the patent expired for nonpayment of the maintenance fee, the United States Patent and Trademark Office requires an additional explanation of the circumstances surrounding the delay that establishes the entire delay was unintentional. This requirement is in addition to the requirement to provide a statement that the entire delay was unintentional. See *Clarification of the Practice for Requiring Additional Information in Petitions Filed in Patent Applications and Patents Based on Unintentional Delay*, 85 FR 12222 (March 2, 2020). See MPEP 711.03(c)(II)(C)-(F) for additional guidance on the information required to establish that the entire delay was unintentional.

PETITIONER(S) REQUEST THAT THE DELAYED PAYMENT OF THE MAINTENANCE FEE BE ACCEPTED AND THE PATENT REINSTATED

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

37 CFR 1.378(c) states: "Any petition under this section must be signed in compliance with 37 CFR 1.33(b)."

I certify, in accordance with 37 CFR 1.4(d)(4) that I am

- ☒ An attorney or agent registered to practice before the Patent and Trademark Office who has been given power of attorney in this application.
- ☐ An attorney or agent registered to practice before the Patent and Trademark Office
- ☐ A sole patentee
- ☐ A joint patentee; I certify that I am authorized to sign this submission on behalf of all the other patentees as evidenced by the power of attorney in the application
- ☐ A joint patentee; all of whom are signing this e-petition
- ☐ The assignee of record of the entire interest that qualifies as an authorized party under 37 CFR 1.33(b)

Attorney

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature

Signature	/a tankha/		
Name	ASHOK TANKHA	Registration Number	33802



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

In re Patent No.	8107978	:
Issue Date:	January 31, 2012	:
Application No.	12056300	:DECISION GRANTING PETITION
Filed:	March 27, 2008	:UNDER 37 CFR 1.378(b)
Attorney Docket No.	KIRU-02-US	:

This is a decision on the electronic petition, filed March 31, 2021, under 37 CFR 1.378(b) to accept the unintentionally delayed payment of the 7.5 year maintenance fee for the above-identified patent.

The petition is **GRANTED**.

The maintenance fee is accepted, and the above-identified patent reinstated as of March 31, 2021. This decision also constitutes notice that the fee has been accepted. An electronic copy of the petition and this decision has been created as an entry in the Image File Wrapper. Nevertheless, petitioner should print and retain an independent copy.

Telephone inquiries related to this electronic decision should be directed to the Electronic Business Center at 1-866-217-9197.

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
---	---

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court **for the Eastern District of Texas, Marshall Division** on the following

☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.);

DOCKET NO. 2:21-cv-00437	DATE FILED 11/29/2021	U.S. DISTRICT COURT for the Eastern District of Texas, Marshall Division
PLAINTIFF MULTIMODAL MEDIA LLC		DEPENDANT ZTE CORPORATION
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 7,929,949	4/19/2011	Multimodal Media LLC
2 8,107,978	1/31/2012	Multimodal Media LLC
3 9,185,227	11/10/2015	Multimodal Media LLC
4 10,552,030	2/4/2020	Multimodal Media LLC
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1		
2		
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
---	---

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court **for the Eastern District of Texas, Marshall Division** on the following

☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.);

DOCKET NO. 2:21-cv-00436	DATE FILED 11/29/2021	U.S. DISTRICT COURT for the Eastern District of Texas, Marshall Division
PLAINTIFF MULTIMODAL MEDIA LLC		DEPENDANT GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 7,929,949	4/19/2011	Multimodal Media LLC
2 8,107,978	1/31/2012	Multimodal Media LLC
3 9,185,227	11/10/2015	Multimodal Media LLC
4 10,552,030	2/4/2020	Multimodal Media LLC
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading		
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK	
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court _____ for the Eastern District of Texas, Marshall Division _____ on the following

☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.);

DOCKET NO. 2:21-cv-00436	DATE FILED 11/29/2021	U.S. DISTRICT COURT for the Eastern District of Texas, Marshall Division
PLAINTIFF MULTIMODAL MEDIA LLC		DEFENDANT GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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2 8,107,978	1/31/2012	Multimodal Media LLC
3 9,185,227	11/10/2015	Multimodal Media LLC
4 10,552,030	2/4/2020	Multimodal Media LLC
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
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DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court _____ for the Eastern District of Texas, Marshall Division _____ on the following

☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.);

DOCKET NO. 2:21-cv-00437	DATE FILED 11/29/2021	U.S. DISTRICT COURT for the Eastern District of Texas, Marshall Division
PLAINTIFF MULTIMODAL MEDIA LLC		DEFENDANT ZTE CORPORATION
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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DECISION/JUDGEMENT

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Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy