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UTILITY PATENT APPLICATION TRANSMITTAL

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

Attorney Docket No.

KIRU-06-US

First Inventor

Ewald Anderl

Title

Interactive Multimodal Messaging

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 21]
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 4]
5. **Oath or Declaration** [Total Sheets 3]
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(for continuation/divisional with Box 18 completed)
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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**
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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)
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Applicant must attach form PTO/SB/35 or equivalent.
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Examiner: _____

Art Unit: _____

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

Name Ashok Tankha

Address 36 Greenleigh Drive

City Sewell

State NJ

Zip Code 08080

Country USA

Telephone 856-266-5145

Email ash@ipprocure.com

Signature /a tankha/

Date February 3, 2009

Name (Print/Type) Ashok Tankha

Registration No. (Attorney/Agent) 33802

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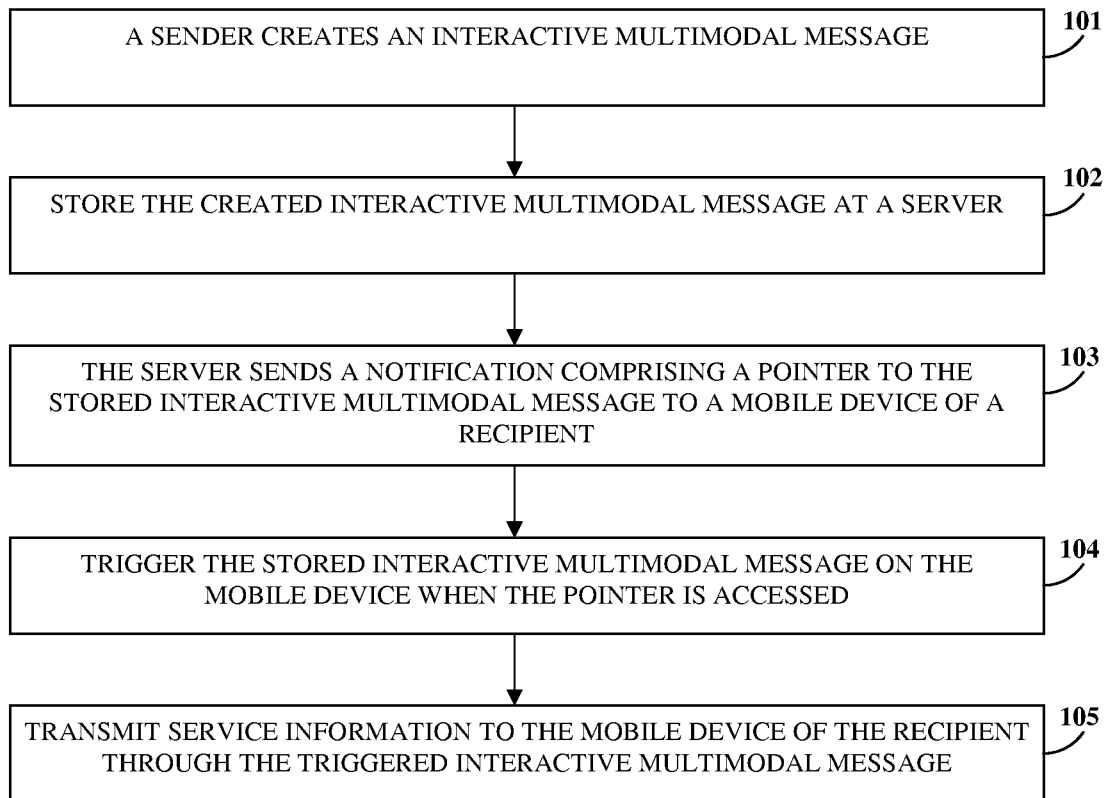
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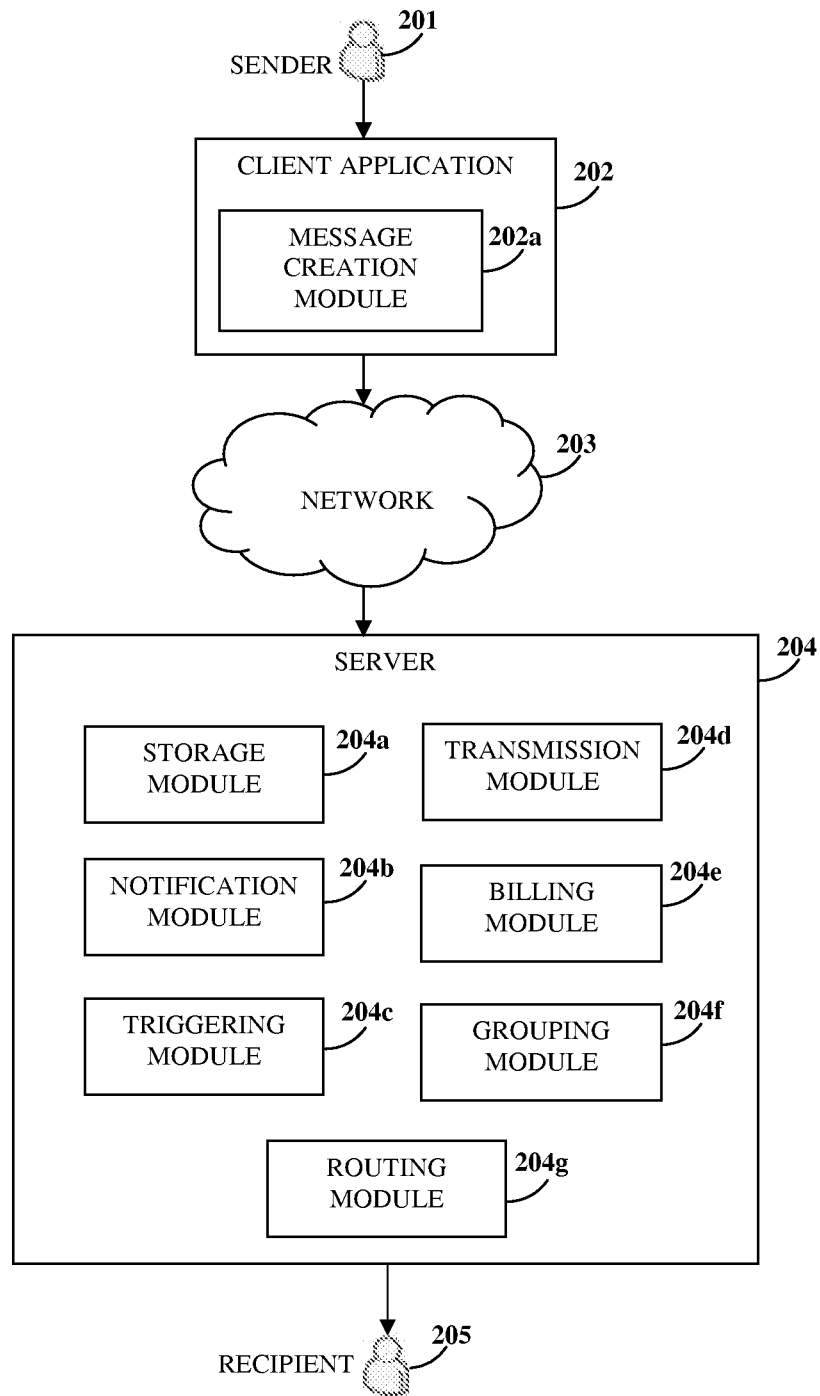
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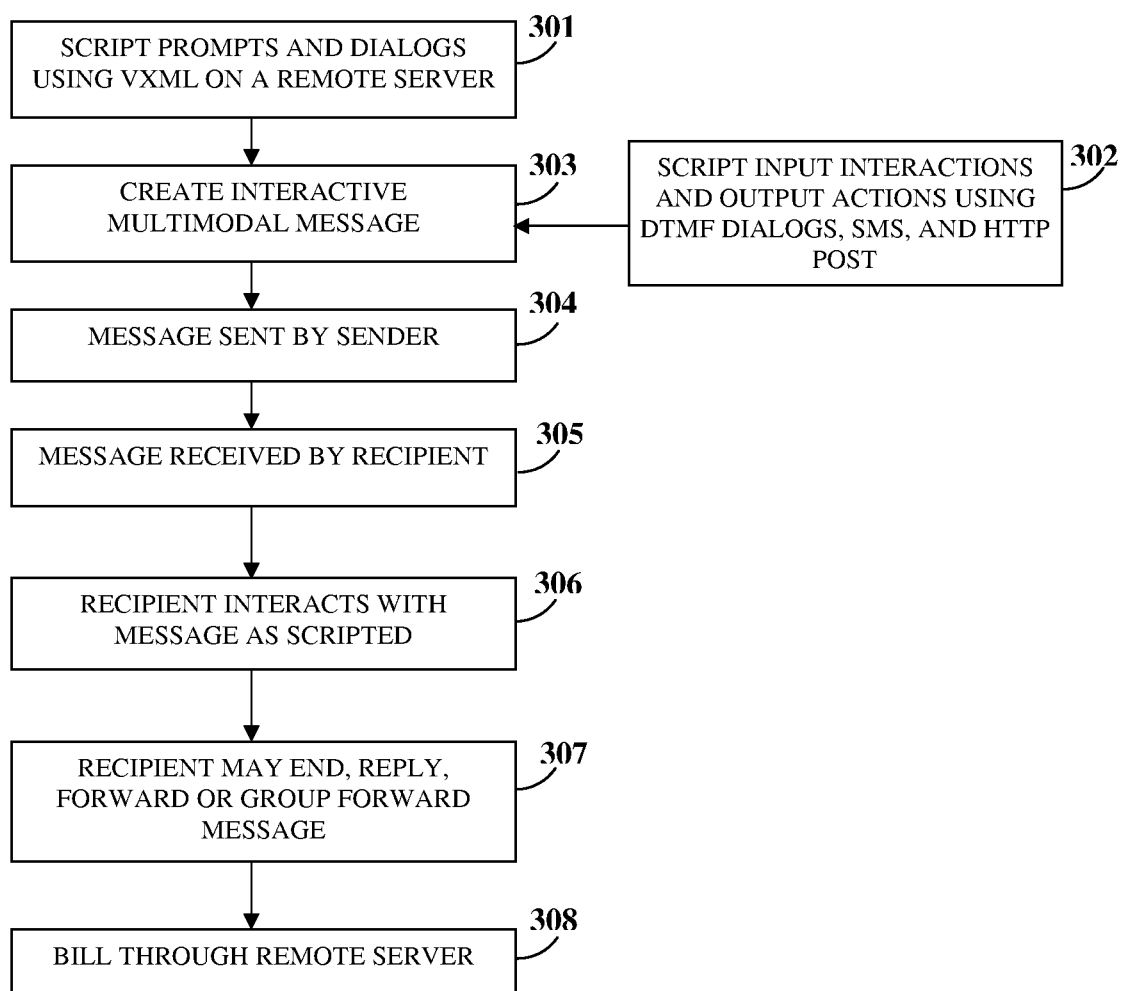
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**FIG. 1**

**FIG. 2**

**FIG. 3**

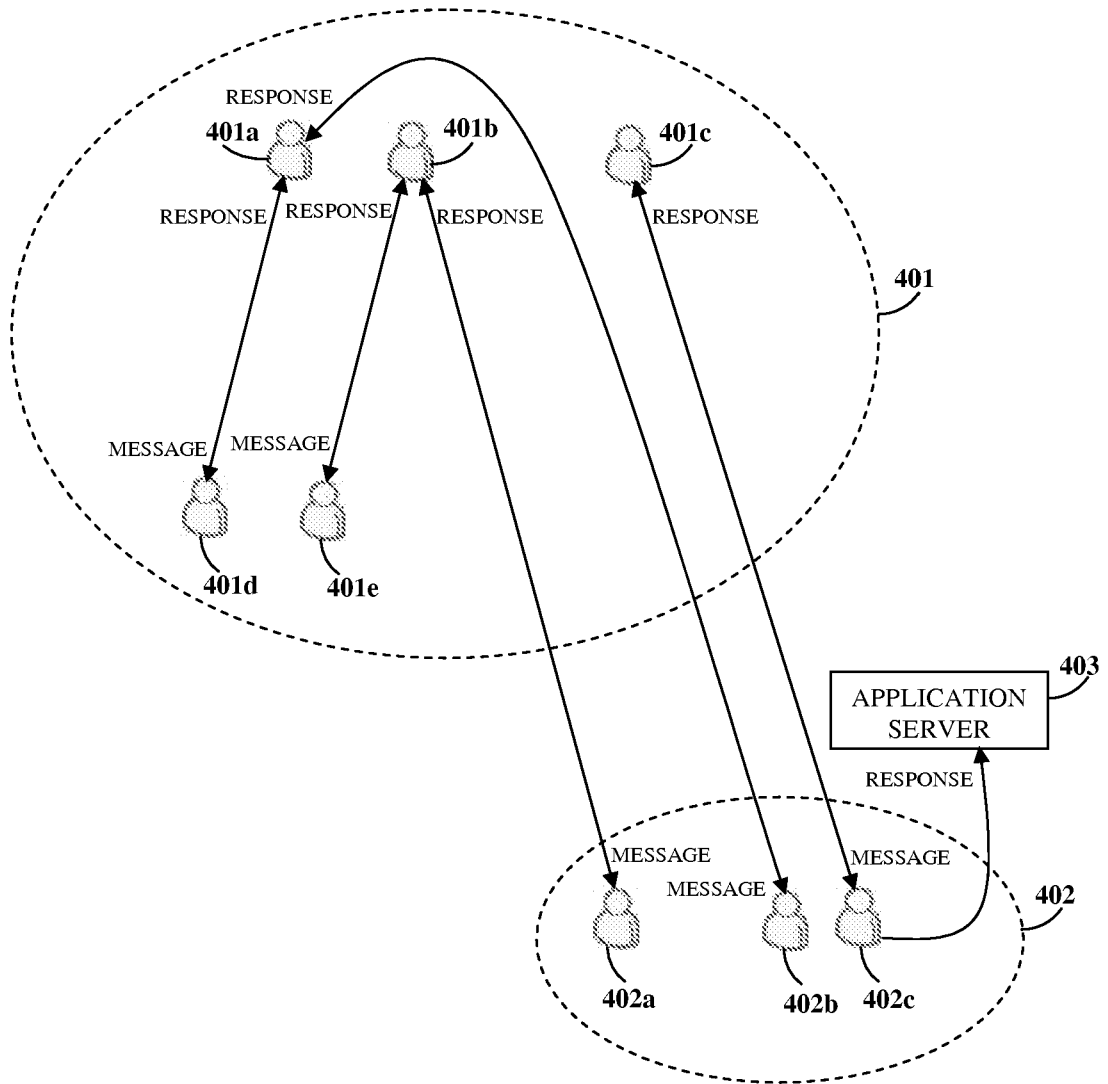


FIG. 4

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(37 CFR 1.16 (f))
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Number

KIRU-06-US

First Named Inventor

Ewald Anderl

COMPLETE IF KNOWN

Application Number

Filing Date

Art Unit

Examiner Name

I hereby declare that: (1) Each inventor's residence, mailing address, and citizenship are as stated below next to their name; and (2) 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:

Interactive Multimodal Messaging

(Title of the Invention)

the specification of which



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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.

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[Page 1 of 3]

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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐

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

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City Sewell		State NJ	ZIP 08080
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NAME OF SOLE OR FIRST INVENTOR:		☐ A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Ewald		Family Name or Surname Anderl	
Inventor's Signature 			Date 27-June-2009
Residence: City Middletown	State NJ	Country USA	Citizenship USA
Mailing Address 44 Fox Hill Road, Middletown, NJ 07748			
City Middletown	State NJ	Zip 07748	Country USA
☐ Additional inventors or a legal representative are being named on the _____ supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.			

ABSTRACT

Disclosed herein is a method and system that enables a recipient to interact with an interactive multimodal message triggered on the recipient's mobile device. A sender
5 creates the interactive multimodal message using a client application. A server stores the created interactive multimodal message. The server sends a notification to the recipient's mobile device. The notification comprises a pointer to the stored interactive multimodal message. The stored interactive multimodal message is triggered on the recipient's mobile device when the pointer in the notification is accessed. Service information is
10 transmitted to the recipient's mobile device through the triggered interactive multimodal message. The interactive multimodal message triggered on the recipient's mobile device enables the recipient interaction. The interactive multimodal message may be forwarded to one or more second recipients simultaneously. At least a part of the forwarded interactive multimodal message is displayed differently to each of the second recipients.

1 CLAIMS

2
3 I claim:

4
5 1. A method of enabling a recipient to interact with an interactive multimodal message
6 triggered on a mobile device of said recipient, comprising the steps of:

7
8 creating said interactive multimodal message by a sender using a client
9 application available to said sender, wherein said created interactive multimodal
10 message is stored at a server;

11
12 sending a notification comprising a pointer to said stored interactive multimodal
13 message to said mobile device of the recipient by said server;

14
15 triggering the stored interactive multimodal message on the mobile device of the
16 recipient by accessing said pointer in said notification; and

17
18 transmitting service information to the mobile device of the recipient through said
19 triggered interactive multimodal message;

20
21 whereby the interactive multimodal message triggered on the mobile device enables
22 said recipient interaction.

23
24 2. The method of claim 1, wherein the recipient triggers the interactive multimodal
25 message using one or more of dual-tone multi-frequency dialogs, prompts in voice
26 extensible markup language, automated speech recognition, and a hypertext transfer
27 protocol post.

28
29 3. The method of claim 1, wherein the interactive multimodal message is triggered on
30 navigating through voice messages on the mobile device by the recipient.

- 1 4. The method of claim 1, wherein the interactive multimodal message is triggered on
2 activating a link in a text message on the mobile device by the recipient.
3
- 4 5. The method of claim 1, wherein said transmitted service information provides the
5 recipient with one or more options, wherein the recipient selects one of said provided
6 options.
7
- 8 6. The method of claim 5, further comprising the step of transmitting service content
9 from the sender to the mobile device of the recipient based on said selected option.
10
- 11 7. The method of claim 6, further comprising the step of billing the recipient for said
12 transmitted service content based on the selected option.
13
- 14 8. The method of claim 1, wherein each interactive multimodal message is grouped at
15 the server based on predefined grouping rules, wherein said predefined grouping rules
16 are based on one or more of context of the interactive multimodal message and
17 recipient information.
18
- 19 9. The method of claim 1, further comprising the step of forwarding the interactive
20 multimodal message to a plurality of second recipients simultaneously.
21
- 22 10. The method of claim 9, wherein at least a part of said forwarded interactive
23 multimodal message is displayed differently to each of said second recipients based
24 on services subscribed to by each of the second recipients and second recipient
25 information.
26
- 27 11. A system for enabling a recipient to interact with an interactive multimodal message
28 triggered on a mobile device of said recipient, comprising:
29
30 a client application comprising a message creation module for creating said
31 interactive multimodal message by a sender;

1
2 a server, comprising:

3
4 a storage module for storing said created interactive multimodal message;

5
6 a notification module for sending a notification comprising a pointer to
7 said stored interactive multimodal message to said mobile device of the
8 recipient;

9
10 a triggering module for triggering the stored interactive multimodal
11 message on the mobile device of the recipient; and

12
13 a transmission module for transmitting service information to the mobile
14 device of the recipient through said triggered interactive multimodal
15 message.
16

17 12. The system of claim 11, wherein said server further comprises a grouping module for
18 grouping each interactive multimodal message based on predefined grouping rules,
19 wherein said predefined grouping rules are based on one or more of context of the
20 interactive multimodal messages and recipient information.
21

22 13. The system of claim 11, wherein said server further comprises a routing module for
23 enabling sending of the interactive multimodal message, forwarding of the interactive
24 multimodal message to a second recipient, forwarding of the interactive multimodal
25 message to a plurality of second recipients simultaneously, and replying to the
26 interactive multimodal message.
27

28 14. The system of claim 13, wherein the server displays at least a part of said forwarded
29 interactive multimodal message differently to each of said second recipients based on
30 services subscribed to by each of the second recipients and second recipient
31 information.

1
2 15. The system of claim 11, wherein said transmission module transmits service content
3 from said sender to the mobile device of the recipient based on an option selected by
4 the recipient, wherein said option is selected from a plurality of options provided by
5 said transmitted service information.

6
7 16. The system of claim 15, wherein the server further comprises a billing module for
8 billing the recipient for said transmitted service content based on said selected option.

9
10 17. The system of claim 11, wherein said triggering module triggers the interactive
11 multimodal message when the recipient accesses said pointer in said notification.

12
13 18. The system of claim 11, wherein said triggering module triggers the interactive
14 multimodal message on navigating through voice messages on the mobile device by
15 the recipient.

16
17 19. The system of claim 11, wherein the triggering module triggers the interactive
18 multimodal message on activating a link in a text message on the mobile device by
19 the recipient.

20
21 20. A computer program product comprising computer executable instructions embodied
22 in a computer-readable medium, wherein said computer program product comprises:

23
24 a first computer parsable program code for creating an interactive multimodal
25 message;

26
27 a second computer parsable program code for storing said created interactive
28 multimodal message at a server;

1 a third computer parsable program code for sending a notification comprising a
2 pointer to said stored interactive multimodal message to a mobile device of a
3 recipient;

4
5 a fourth computer parsable program code for triggering the stored interactive
6 multimodal message on said mobile device of said recipient;

7
8 a fifth computer parsable program code for transmitting service information to the
9 mobile device of the recipient through said triggered interactive multimodal
10 message;

11
12 a sixth computer parsable program code for grouping each interactive multimodal
13 message at said server; and

14
15 a seventh computer parsable program code for billing the recipient for service
16 content transmitted from the sender.

INTERACTIVE MULTIMODAL MESSAGING

CROSS REFERENCE TO RELATED APPLICATIONS

5 The following patent and patent applications are incorporated herein by reference:

1. Patent application number 11/019,754, now patent US 7,184,786, titled “Techniques
For Combining Voice With Text Short Message Services” assigned to Kirusa, Inc.,
NJ, USA filed on December 21, 2004 at the United States Patent and Trademark
10 Office and granted on February 27, 2007.
2. Patent application number 12/008,321, titled “Billing Off-Net Users For Telecom
Services” assigned to Kirusa, Inc., NJ, USA, filed on January 9, 2008 at the United
States Patent and Trademark Office.

15

BACKGROUND

 This invention, in general, relates to mobile communication. More particularly,
this invention relates to enabling a recipient to interact with an interactive multimodal
20 message triggered on a mobile device of the recipient.

 Mobile communication service providers typically allow subscribers to make
voice calls and to send text messages and multimedia messages over a communication
network. Voice calls can only be made if a calling subscriber and a called subscriber are
25 connected to each other via the mobile communication network at the same time. Often, a
called subscriber may be busy and unable to answer a call from a calling subscriber. The
called subscriber may therefore miss important calls. Text messages have a maximum
character limit for every message; therefore the amount of information transmitted as a
text message may be limited. Furthermore, the content of text messages is limited to plain
30 text without visual enhancements or interactivity. Multimedia messages allow subscribers
to send images, videos, and other kinds of multimedia content over the communication

network. However, there is limited interactivity in the multimedia messages. The content of a single multimedia message remains unchanged when forwarded to different recipients.

5 Mobile communication service providers further provide voicemail services where the calling subscriber may leave a message for the called subscriber if a voice call is not answered by the called subscriber. The voicemail message is stored at a server and may be accessed by the called subscriber at a later point in time. A voicemail service is analogous to an answering machine. The voicemail messages are recorded sound files
10 with limited interactivity. The interactivity offered to the called subscriber while accessing the voicemail message is provided by the server and not the message. The voicemail message itself is static in nature.

 Mobile communication service providers also provide services that allow a
15 subscriber to send a text message with a request to purchase chosen ringtones, wallpapers, etc, or to activate a chosen new service, for example to activate or deactivate roaming, to the service provider. However, the choice is typically made by the subscriber offline, while the text message is used only for conveying the choice to the service provider. The text message itself is non interactive.

20

 Hence, there is a need for enabling a recipient to interact with an interactive multimodal message comprising interactive dynamic content triggered on a mobile device.

25 SUMMARY OF THE INVENTION

 This summary is provided to introduce a selection of concepts in a simplified form that are further described in the detailed description of the invention. This summary is not intended to identify key or essential inventive concepts of the claimed subject
30 matter, nor is it intended for determining the scope of the claimed subject matter.

The method and system disclosed herein address the above stated need for enabling a recipient to interact with an interactive multimodal message comprising interactive dynamic content triggered on a mobile device. A sender creates the interactive multimodal message using a client application. The client application may be available to the sender, for example, on a mobile device of the sender, over a voice call, or via a web interface. The created interactive multimodal message is stored at a server. The server sends a notification to the recipient's mobile device. The notification comprises a pointer to the stored interactive multimodal message. The stored interactive multimodal message is triggered on the mobile device of the recipient when the recipient accesses the pointer in the notification. The recipient may trigger the interactive multimodal message using, for example, one or more of dual-tone multi-frequency dialogs, prompts in voice extensible markup language, automated speech recognition, and a hypertext transfer protocol post. The interactive multimodal message may be triggered when the recipient navigates through voice messages on the mobile device. The interactive multimodal message may also be triggered when the recipient activates a link in a text message on the mobile device.

Service information is transmitted to the mobile device of the recipient through the triggered interactive multimodal message. The transmitted service information may provide the recipient with one or more options, and the recipient may select one of the provided options. Service content may be transmitted based on the selected option from the sender to the mobile device of the recipient. The recipient may be billed for the transmitted service content based on the selected option.

The interactive multimodal messages may be grouped at the server based on predefined grouping rules. The predefined grouping rules may be based on one or more of context of the interactive multimodal message and recipient information. The recipient interacts with the triggered interactive multimodal message. The interactive multimodal message triggered on the mobile device enables recipient interaction.

The recipient may forward the interactive multimodal message to multiple second recipients simultaneously. At least a part of the forwarded interactive multimodal message is displayed differently to each of the second recipients based on services subscribed to by each of the second recipients and second recipient information.

5

BRIEF DESCRIPTION OF THE 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.

10

15

FIG. 1 illustrates a method of enabling a recipient to interact with an interactive multimodal message triggered on a mobile device of the recipient.

FIG. 2 illustrates a system for enabling a recipient to interact with an interactive multimodal message triggered on a mobile device of the recipient.

20

FIG. 3 exemplarily illustrates a flowchart for a process of enabling a recipient to interact with an interactive multimodal message triggered on a mobile device of the recipient.

25

FIG. 4 exemplarily illustrates exchange of interactive multimodal messages and responses thereto between multiple senders and multiple recipients over different mobile communication networks.

DETAILED DESCRIPTION OF THE INVENTION

30

FIG. 1 illustrates a method of enabling a recipient **205** to interact with an interactive multimodal message triggered on a mobile device of the recipient **205**. As used herein, the term “multimodal message” is a seamless combination of graphics, text,

and audio output or a combination of the above modalities with speech, text, and touch input or vice-versa.

The multimodal messages are a combination of voice data and other modalities, for example, image, video, etc., with a text short message service (SMS) message. The multimodal messages enable use of multiple modalities of communication based on requirements of a sender **201** and the usage environment. As used herein, modalities refer to any human mode of interaction on the input side of an application, for example, the sender's **201** voice, any visual mode, or combination of voice and any visual mode, etc., that allows the sender **201** to speak, hear, type, touch or see in that application, and one or more human interaction modes on the output side of the application such as the recipient's **205** ability to hear, visually see, or simultaneously hear and visually see the output. Multimodal interactions thereby extend web or other application user interfaces to allow multiple modes of interaction, offering the sender **201**, for example, the choice of using their voice, or an input device such as a key pad, keyboard, mouse, or stylus. For output, the recipient **205** will, for example, be able to listen to spoken prompts and audio, to view information on graphical displays, and to simultaneously listen to and view an output.

Multimodal messaging enable users to send and receive voice messages associated directly with text SMS messages. To send a multimodal message, the sender **201** composes a message to be sent using SMS technology using a text input device, for example, a keypad of a mobile phone. The composed text message is associated and combined with a voice message recorded by the sender **201**. The combined message is sent to the recipient **205** via a multimodal messaging platform. The multimodal messaging platform synchronizes and processes input voice and text information and transfers the synchronized and processed information to a mobile phone of the recipient **205**. The multimodal messaging platform enables wireless carriers and service providers to offer applications with integrated voice and visual interfaces.

In the method disclosed herein, a sender **201** creates **101** the interactive multimodal message using a client application **202** as illustrated in FIG. 2. There may be multiple methods for making the client application **202** available to the sender **201**. The client application **202** may, for example, be made available to the sender **201** on a mobile device of the sender **201**. The client application **202** may be provided as a functionality in a compose function available in a voice short message service (voice SMS) application provided over a voice connection, as disclosed and claimed in patent application number 11/019,754, now patent US 7,184,786, titled “Techniques For Combining Voice With Wireless Text Short Message Services”. Voice SMS allows users to send and receive voice messages associated with text SMS messages. In patent US 7,184,786, a user of a standard SMS text service is provided with a link within each message that allows addition or retrieval of a voice message associated with an SMS text message. A voice SMS platform may be associated with a media platform for recording or playing back voice recordings, recognition of voice commands, and rendering of text into speech.

The client application **202** may also be made available over a voice call or via a web interface that allows the sender **201** to create an interactive multimodal message. The interactive multimodal message may, for example, comprise text, images, video, voice content, and any combination thereof, as well as web based scripted interfaces. The created interactive multimodal message is stored **102** at a server **204**. The server **204** may, for example, be a remote server. The server **204** sends **103** a notification to the recipient’s **205** mobile device. The notification may, for example, be an unstructured supplementary service data (USSD) prompt, a text message, a voice SMS message, or a voice call. The notification comprises a pointer to the stored interactive multimodal message. The pointer may, for example, be a text link to the stored interactive multimodal message, a USSD code, etc. The recipient **205** and the sender **201** may be subscribers of a single mobile communication network or of different mobile communication networks.

When the recipient **205** accesses the pointer in the notification through the recipient’s **205** mobile device, the stored interactive multimodal message is triggered **104**

on the recipient's **205** mobile device. The interactive multimodal message may, for example, be triggered when the recipient **205** navigates through voice messages on the recipient's **205** mobile device. The interactive multimodal message may also be triggered when the recipient **205** activates a link in a text message on the recipient's **205** mobile device. Furthermore, the recipient **205** may trigger the interactive multimodal message using, for example, one or more of dual-tone multi-frequency dialogs, prompts in voice extensible markup language, automated speech recognition, and a hypertext transfer protocol post.

Service information is transmitted **105** to the mobile device of the recipient **205** through the triggered interactive multimodal message. The transmitted service information may, for example, comprise advertisements, alerts, or service content previews provided by the sender **201**. The transmitted service information may provide the recipient **205** with one or more options, and the recipient **205** may select one of the provided options. The selection of options by the recipient **205** may be implemented to run on a VoiceXML (VXML) server, with a script written by an application owner. Service content may be transmitted to the recipient's **205** mobile device from the sender **201** based on the selected option. The transmitted service content may, for example, be an hourly weather update or a daily horoscope reading. The transmission of the service content may require the recipient **205** to subscribe to the service of the sender **201**.

The recipient **205** may be billed for the transmitted service content based on the selected option. The mode of billing may depend on the option selected by the recipient **205**. For example, the service information transmitted from a sender **201** providing horoscope services may provide the recipient **205** with the following three options: "view horoscope summary", "view detailed horoscope", and "view advertisements". If the recipient **205** selects the "view horoscope summary" option, the mode of billing may be zero billing, and the recipient **205** may not be billed for the transmitted service content. If the recipient **205** selects the "view detailed horoscope" option, the mode of billing may be premium billing, and the recipient **205** may be billed for a higher amount. If the recipient **205** selects the "view advertisements" option, the mode of billing may be

negative billing, and the recipient **205** may be given a reward, for example, an amount may be deducted from a bill payable by the recipient **205**. If the recipient **205** is not a subscriber of the same mobile communication network as the sender **201**, the mode of billing may be off-net billing, as disclosed and claimed in patent application number
5 12/008,321, titled “Billing Off-Net Users For Telecom Services”.

In the off-net billing mode, a sender **201** subscribing to a first network, hereafter referred to as an on-net user, may send a first voice SMS message to a recipient **205** subscribing to a second network, hereafter referred to as an off-net user. The off-net user
10 may reply to the first voice SMS message with a second voice SMS message. The second voice SMS message reply is routed to an intelligent network element of the first network. The intelligent network element prompts the off-net user for a payment for delivering the second voice SMS message reply to the sender **201**. The intelligent network element prompts the off-net user by sending a text SMS message prompt to the off-net user,
15 asking the off-net user to pay a stated fee for replying to or forwarding the voice SMS message. If the off-net user sends a reply SMS message to the text SMS message prompt, the off-net user is charged a stated fee by the second network for sending the SMS message. Such an SMS message sent by the off-net user in reply to the text SMS message prompt is referred to as a premium SMS as the premium SMS incurs a charge higher than
20 a usual SMS sent by the off-net user.

The operator of the second network collects revenue for the premium SMS from the off-net user, and shares a part of the revenue with the operator of the first network. A value added services (VAS) gateway may be used for delivering and billing a recipient
25 **205** who is not subscribed to the same mobile communication network as the sender **201**.

The recipient **205** interacts with the triggered interactive multimodal message. The interaction with the interactive multimodal message by the recipient **205** may, for example, comprise ending the interactive multimodal message, replying to the interactive
30 multimodal message, or forwarding the interactive multimodal message to one or more second recipients. The interactive multimodal messages may be grouped based on

predefined grouping rules. The predefined grouping rules may be based on factors such as the context of the interactive multimodal message, prior responses to earlier interactive multimodal messages, for example, those recipients who had accepted an offer vs. those recipients that had declined, etc. Moreover, since mobile phone messages are personal,
5 the interactive multimodal messages may be grouped based on other information known about the recipient **205**, for example, language, date of birth, demographics, etc.

The interactive multimodal message may be forwarded to multiple second recipients simultaneously. The service content transmitted from a sender **201** providing
10 services may be dynamic. At least a part of the interactive multimodal message is modified when the recipient **205** forwards the interactive multimodal message to the second recipients. Any item that can be linked to or inferred about the recipients based on the recipient information, for example, addresses of the recipients, can be used to modify the interactive multimodal message. The forwarded interactive multimodal message is
15 displayed differently to each of the second recipients based on services subscribed to by each of the second recipients and second recipient information, for example, date of birth, language, etc. For example, if a recipient **205** receives an interactive multimodal message from a sender **201** providing services to which the recipient **205** has not subscribed to, the interactive multimodal message may only display a preview of the service content and
20 provide the recipient **205** with an option to subscribe to the services provided by the sender **201**. However, the same interactive multimodal message may display the entire transmitted service content to the recipient **205** if the recipient **205** has subscribed to the services provided by the sender **201**. In another example, a sender **201** providing horoscope services may dynamically play the appropriate content based on the date of
25 birth of the recipient **205**. Another example is a follow up to a survey. The recipients who responded to an offer are provided with a “thank you” message and a discount offer whereas the recipients who did not respond to the offer are provided with a shortened survey one last time with the promise of some reward.

30 The interaction with the interactive multimodal message by the recipient **205** may exemplarily comprise selecting and purchasing a ring tone out of a set of offered ring

tones through the interactive multimodal message, sending a text reply through the interactive multimodal message, participating in a user survey conducted by the sender **201** through the interactive multimodal message, etc. The interactive multimodal message triggered on the mobile device therefore enables recipient interaction.

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FIG. 2 illustrates a system for enabling a recipient **205** to interact with an interactive multimodal message triggered on a mobile device of a recipient **205**. The system disclosed herein comprises a client application **202** and a server **204** connected via a network **203**. The client application **202** comprises a message creating module **202a**. The server **204** comprises a storage module **204a**, a notification module **204b**, a triggering module **204c**, a transmission module **204d**, a billing module **204e**, a grouping module **204f**, and a routing module **204g**.

The message creation module **202a** in the client application **202** creates the interactive multimodal message. The storage module **204a** stores the created interactive multimodal message at the server **204**. The notification module **204b** sends a notification comprising a pointer to the stored interactive multimodal message to the mobile device of the recipient **205**. The triggering module **204c** triggers the stored interactive multimodal message on the mobile device of the recipient **205** when the pointer in the notification is accessed by the recipient **205**. The triggering module **204c** may trigger the interactive multimodal message when the recipient **205** navigates through voice messages on the mobile device of the recipient **205**. The triggering module **204c** may also trigger the interactive multimodal message when the recipient **205** activates a link in a text message on the mobile device of the recipient **205**.

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The transmission module **204d** transmits service information to the mobile device of the recipient **205** through the triggered interactive multimodal message. The transmission module **204d** also transmits service content from the sender **201** to the mobile device of the recipient **205** based on an option selected by the recipient **205**. The option is selected from multiple options provided by the transmitted service content. The billing module **204e** bills the recipient **205** for the transmitted service content, based on

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the selected option. The billing module **204e** may select a mode of billing depending on the option selected by the recipient **205**. For example, the billing module **204e** may select from standard billing mode, premium billing mode, zero billing mode, off-net billing mode, etc., depending on the option selected by the recipient **205**.

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The grouping module **204f** groups the interactive multimodal messages at the server **204** based on predefined grouping rules. The predefined grouping rules may, for example, be based on factors such as the context of the interactive multimodal message, recipient information, etc. The routing module **204g** enables sending of the interactive multimodal message, forwarding of the interactive multimodal message to a second recipient, forwarding of the interactive multimodal message to multiple second recipients, and replying to the interactive multimodal message. The server **204** displays at least a part of the forwarded interactive multimodal message differently to each of the second recipients based on services subscribed to by each of the second recipients and the second recipient information.

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FIG. 3 exemplarily illustrates a flowchart for a process of enabling a recipient **205** to interact with an interactive multimodal message triggered on the recipient's **205** mobile device. Prompts and dialogs are scripted **301** using VXML on the server **204**. Input interactions and output actions are scripted **302** using dual tone multi frequency (DTMF) dialogs, short message service (SMS), and hypertext transfer protocol (HTTP) post requests. The scripted prompts and dialogs and the scripted input interactions and output actions are used to create **303** an interactive multimodal message by a sender **201**. The interactive multimodal message is sent **304** by the sender **201**. The interactive multimodal message is received **305** by the recipient **205**. The recipient **205** interacts **306** with the interactive multimodal message as scripted. The recipient **205** may end, reply, forward, or group forward **307** the interactive multimodal message. The recipient **205** is billed **308** through the server **204** based on the recipient's **205** interaction with the interactive multimodal message.

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FIG. 4 exemplarily illustrates exchange of interactive multimodal messages and responses thereto between multiple senders **401a**, **401b**, and **401c** and multiple recipients **401d**, **401e**, **402a**, **402b**, and **402c** over different mobile communication networks. A first sender **401a**, a second sender **401b**, and a third sender **401c** are subscribers of the first mobile communication network **401**. The first sender **401a**, the second sender **401b**, and the third sender **401c** send interactive multimodal messages through the system disclosed herein illustrated in FIG. 2, to multiple recipients **401d**, **401e**, **402a**, **402b**, and **402c**. The recipients **401d** and **401e** may be subscribers of the first mobile communication network **401** and the recipients **402a**, **402b**, and **402c** may be subscribers of the second mobile communication network **402** as illustrated in FIG. 4. The first sender **401a** and the second sender **401b** send interactive multimodal messages to a first recipient **401d** and a second recipient **401e** respectively through the system. The first recipient **401d** and the second recipient **401e** are both subscribers of the first mobile communication network **401**.

The first recipient **401d** and the second recipient **401e** interact with the interactive multimodal messages and send responses to the first sender **401a** and the second sender **401b** respectively through the system. A single interactive multimodal message may be displayed differently to the first recipient **401d** and the second recipient **401e**. The first recipient **401d** may be subscribed to a weather update service which allows the first recipient **401d** to view an interactive multimodal message from the weather update service in its entirety. However, the second recipient **401e** may not be subscribed to the weather update service; therefore the same message displayed in entirety to the first recipient **401d** may only be displayed in brief to the second recipient **401e**, with an additional option for the second recipient **401e** to subscribe to the weather update service. The first recipient **401d** and the second recipient **401e** are billed for service content transmitted through the interactive multimodal messages based on billing rules applicable within the first mobile communication network **401**. The billing rules may comprise multiple billing modes, for example, zero billing, negative billing, and premium billing.

The first sender **401a**, the second sender **401b**, and the third sender **401c** also send interactive multimodal messages to a third recipient **402b**, a fourth recipient **402a**, and a

fifth recipient **402c** respectively. The third recipient **402b**, the fourth recipient **402a**, and the fifth recipient **402c** are subscribers of the second mobile communication network **402**. Display of interactive multimodal messages to the third recipient **402b**, the fourth recipient **402a**, and the fifth recipient **402c** may be different from the display of the interactive multimodal messages to the first recipient **401d** and the second recipient **401e**. The interactive multimodal messages may offer the third recipient **402b**, the fourth recipient **402a**, and the fifth recipient **402c** limited options or additional options, based on the content of the interactive multimodal messages. The third recipient **402b**, the fourth recipient **402a**, and the fifth recipient **402c** interact with the interactive multimodal message and send responses to the first sender **401a**, the second sender **401b**, and the third sender **401c** respectively. In addition, responses may also be sent by a recipient **402a**, **402b**, or **402c** to an application server **403**. In FIG. 4, the fifth recipient **402c** sends a response to the application server **403** for further processing.

The third recipient **402b**, the fourth recipient **402a**, and the fifth recipient **402c** are billed for service content transmitted through the interactive multimodal messages based on predefined billing rules. Since the third recipient **402b**, the fourth recipient **402a**, and the fifth recipient **402c** are subscribers of a mobile communication network different from the first sender **401a**, the second sender **401b**, and the third sender **401c**, the billing mode in this example is off-net billing. The billing is also done based on options selected by the third recipient **402b**, the fourth recipient **402a**, and the fifth recipient **402c** during interaction with the interactive multimodal messages.

It will be readily apparent that the various methods and algorithms described herein may be implemented in a computer readable medium 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. 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,

- 5 UltraSPARC[®] processors, Sun[®] processors, IBM[®] processors, etc. that are adapted to communicate with the computer. Any number and type of machines may be in communication with the computer.

- 10 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 invention 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 limitation. Further, although the invention has been described herein with reference to particular means, materials and
- 15 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
- 20 invention in its aspects.

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INDICATION FORM****Application Number****Filing Date****First Named Inventor**

Ewald Anderl

Title

Interactive Multimodal Messaging

Art Unit**Examiner Name****Attorney Docket Number**

KIRU-06-US

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☒ 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	<i>Ewald Anderl</i>	Date	27-Jan-2007
Name	Ewald Anderl	Telephone	908-464-5566
Title and Company	Vice President and CTO, 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*.

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Application Number	
Filing Date	
First Named Inventor	Kirusa Inc.
Art Unit	
Examiner Name	
Attorney Docket Number	KIRU-06-US

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

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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)	2009-02-03
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Application Number:				
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Title of Invention:		Interactive Multimodal Messaging		
First Named Inventor/Applicant Name:		Ewald Anderl		
Filer:		Ashok Tankha		
Attorney Docket Number:		KIRU-06-US		
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Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
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	1	20030032409	A1	2003-02-13	Stewart Douglas Hutcheson et al.		

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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	WO09527360	US	A1	1995-10-12	Citibank		☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor	Kirusa Inc.	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	KIRU-06-US	

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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: 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.				

Electronic Acknowledgement Receipt

EFS ID:	4729801
Application Number:	12365157
International Application Number:	
Confirmation Number:	5453
Title of Invention:	Interactive Multimodal Messaging
First Named Inventor/Applicant Name:	Ewald 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-06-US
Receipt Date:	03-FEB-2009
Filing Date:	
Time Stamp:	22:45:22
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 462

RAM confirmation Number		4578			
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 of New Application	KIRU-06-US_Transmittal.pdf	338531	no	2
			4add295b2a922e00236d4645036daae31a2fade6		
Warnings:					
Information:					
2		KIRU-06-US_Specification.pdf	88030	yes	21
			36af0b4ccdc387de06e8e81e010e2be204f72dc2		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	15	
	Claims		16	20	
	Abstract		21	21	
Warnings:					
Information:					
3	Drawings-only black and white line drawings	KIRU-06-US_Drawings.pdf	23865	no	4
			71b3cfad0e01e8c37942f4a9847934287dfc6eb7		
Warnings:					
Information:					
4	Power of Attorney	KIRU-06_US_POA.pdf	108664	no	1
			ee38615ad15b0510182394f4e149740b99995c14		
Warnings:					
Information:					
5	Oath or Declaration filed	KIRU-06-US_Declaration.pdf	310583	no	3
			069443ad27d4033943ab14047437aaaf69a19a50		
Warnings:					
Information:					

6	Information Disclosure Statement (IDS) Filed (SB/08)	KIRU-06-US_IDSForm.pdf	728095	no	4
			942ff9c91e514d54a3cb84514dbda84e15e03e44		
Warnings:					
Information:					
7	Assignee showing of ownership per 37 CFR 3.73(b).	KIRU-06- US_StatementUnder37CFR.pdf	114536	no	1
			52b855d7c4edcc4c4261b4e7a097fe372a27c5e		
Warnings:					
Information:					
8	Fee Worksheet (PTO-06)	fee-info.pdf	32499	no	2
			ca3964dbc51b4ae968b952d4c6b59bb8f253353		
Warnings:					
Information:					
Total Files Size (in bytes):			1744803		
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>					

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Ewald Anderl

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

Entitled: Interactive Multimodal Messaging

Kirusa Inc., a Corporation
(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 follows:

1. 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.
2. 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.
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.

☐ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[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, to record the assignment 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.

Baldeep
Signature

Jan 27, 2009
Date

Baldeep Dua
Printed or Typed Name

908-464-5566
Telephone Number

CFO, 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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Filing Date: 02/03/09

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					Application or Docket Number 12/365,157	
Substitute for Form PTO-875						
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 (\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	82	N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	270	N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	110	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	20	minus 20 =	x\$26		x\$52	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3	minus 3 = *	x\$110		x\$220	
APPLICATION SIZE FEE (37 CFR 1.16(s))			If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$270 (\$135 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))			195		390	
			TOTAL	462	TOTAL	
* If the difference in column 1 is less than zero, enter "0" in column 2.						
APPLICATION AS AMENDED – PART II						
(Column 1)		(Column 2)		(Column 3)		
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	SMALL ENTITY		OR
	Total (37 CFR 1.16(i))	*	Minus **	RATE (\$)	ADDITIONAL FEE (\$)	OTHER THAN SMALL ENTITY
	Independent (37 CFR 1.16(h))	*	Minus ***	X =		RATE (\$)
	Application Size Fee (37 CFR 1.16(s))			X =		ADDITIONAL FEE (\$)
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))			N/A		TOTAL
			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.						

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/365,157	02/03/2009	Ewald Anderl	KIRU-06-US

Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

CONFIRMATION NO. 5453
POA ACCEPTANCE LETTER



0C000000034665073

Date Mailed: 03/02/2009

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 02/03/2009.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

/nbekele/

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



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
12/365,157	02/03/2009	2614	462	KIRU-06-US	20	3

CONFIRMATION NO. 5453

FILING RECEIPT



OC000000034665031

Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

Date Mailed: 03/02/2009

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 submit a written request for a Filing Receipt Correction. 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 Anderl, Middletown, NJ;

Assignment For Published Patent Application

Kirusa Inc.

Power of Attorney:

Ashok Tankha--33802

Domestic Priority data as claimed by applicant

Foreign Applications

Permission to Access - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 02/20/2009

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 12/365,157**

Projected Publication Date: 08/05/2010

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

Interactive Multimodal Messaging

Preliminary Class

379

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

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>.

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

Application Number		
Filing Date		
First Named Inventor	Kirusa Inc.	
Art Unit		
Examiner Name		
Attorney Docket Number	KIRU-06-US	

U.S.PATENTS							Remove	
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	6014427		2000-01-11	Bruce Lowell Hanson et al.			
	2	6829334	B1	2004-12-07	Michael Zirngibl et al.			
	3	6895084	B1	2005-05-17	Michael J. Saylor et al.			
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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	20030032409	A1	2003-02-13	Stewart Douglas Hutcheson et al.			
If you wish to add additional U.S. Published Application citation information please click the Add button.							Add	
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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	WO09527360	US	A1	1995-10-12	Citibank		☐

Receipt date: 02/03/2009 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		12365157 - GAU: 2617	
	Filing Date			
	First Named Inventor	Kirusa Inc.		
	Art Unit			
	Examiner Name			
	Attorney Docket Number	KIRU-06-US		

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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			☐
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EXAMINER SIGNATURE				
Examiner Signature	/William Cumming/		Date Considered	12/28/2009
<p>*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.</p>				
<p>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.</p>				



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/365,157	02/03/2009	Ewald Anderl	KIRU-06-US	5453
7590		12/30/2009		
Ashok Tankha 36 Greenleigh Drive Sewell, NJ 08080				
			EXAMINER	
			CUMMING, WILLIAM D	
			ART UNIT	PAPER NUMBER
			2617	
			MAIL DATE	DELIVERY MODE
			12/30/2009	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. 12/365,157	Applicant(s) ANDERL, EWALD	
	Examiner WILLIAM D. CUMMING	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 ____.
- 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) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-19 is/are allowed.
- 6) ☒ Claim(s) 20 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 ____ 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 ____. | 6) ☐ Other: ____. |

DETAILED ACTION

Specification

1. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

2. The abstract of the disclosure is objected to because of the implied phrases.

Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 101

3. 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.

4. Claim 20 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

The subject matter of the claim **MUST** be directed to one of the four subject matter categories. If it is not, the claim is not eligible for patent protection and should be rejected under § 101, for at least this reason.

A summary of the four categories of invention, as they have been defined by the courts, are:

- i. Process – an act, or a series of acts or steps that are tied to a particular machine or apparatus or transform a particular article into a different state or thing.
- ii. Machine – a concrete thing, consisting of parts, or of certain devices and combination of devices. This includes every mechanical device or combination of mechanical powers and devices to perform some function and produce a certain effect or result.
- iii. Manufacture – an article produced from raw or prepared materials by giving to these materials new forms, qualities, properties, or combinations, whether by hand-labor or by machinery.
- iv. Composition of matter – all compositions of two or more substances and all composite articles, whether they be the results of chemical union, or of mechanical mixture, or whether they be gases, fluids, powders or solids, for example.

Non-limiting examples of claims that are not directed to one of the statutory categories:

- i. Transitory forms of signal transmission (for example, a propagating electrical or electromagnetic signal *per se*).
- ii. A naturally occurring organism.
- iii. A human *per se*.
- iv. A legal contractual agreement between two parties.
- v. A game defined as a set of rules.

- vi. A computer program *per se*.
- vii. A company.

A claim that covers **BOTH** statutory and non-statutory embodiments (under the broadest reasonable interpretation of the claim when read in light of the specification and in view of one skilled in the art) embraces subject matter that is not eligible for patent protection and therefore is directed to non-statutory subject matter. Such claims fail the first step and should be rejected under § 101, for at least this reason. For example, a claim to a computer readable medium that can be a compact disc or a *carrier wave* covers a non-statutory embodiment and therefore should be rejected under § 101 as being directed to non-statutory subject matter.

The specification states that the computer readable medium can be transmission medium.

Claim Rejections - 35 USC § 112

5. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claim 20 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. In computer applications, it is not unusual for the claimed invention to involve two areas of prior art or more than one technology, e.g., an appropriately programmed computer and an area of application of said computer. *White Consol. Indus.*, 214 USPQ at 821. In regard to the "skilled in the art" standard, in cases involving both the art of computer programming, and another technology, the examiner must recognize that the knowledge of persons skilled in both technologies is the appropriate criteria for determining sufficiency. See *In re Naquin*, 398 F.2d 863, 158 USPQ 317 (CCPA 1968); *In re Brown*, 477 F.2d 946, 177 USPQ 691 (CCPA 1973); and *White Consol. Indus. v. Vega Servo-Control, Inc.*, 214 USPQ 796, 822 (S.D.Mich. 1982), *aff'd on related grounds*, 713 F.2d 788, 218 USPQ 961 (Fed. Cir. 1983). In a typical computer application, system components are often represented in a "block diagram" format, i.e., a group of hollow rectangles representing the elements of the system, functionally labeled, and interconnected by lines. Such block diagram computer cases may be categorized into (A) systems which include but are more comprehensive than a computer and (B) systems wherein the block elements are totally within the confines of a computer.

The first category of such block diagram cases involves systems which include a computer as well as other system hardware and/or software components. In order to meet his or her burden of establishing a reasonable basis for questioning the adequacy of such disclosure, the examiner should initiate a factual analysis of the system by focusing on each of the individual block element components. More specifically, such an inquiry should focus on the diverse functions attributed to each block element as well as the teachings in the specification as to how such a component could be implemented. Based on such an analysis, the examiner has reasonably contend that more than routine experimentation would be required by one of ordinary skill in the art to implement such a component or components, that component or components is specifically be challenged by the examiner as part of this 35 U.S.C. 112, first paragraph rejection. Additionally, the examiner has determine whether certain of the hardware or software components depicted as block elements are themselves complex assemblages which have widely differing characteristics and which must be precisely coordinated with other complex assemblages. Under such circumstances, a reasonable basis does exist for challenging such a functional block diagram form of disclosure. See *In re Ghiron*, 442 F.2d 985, 169 USPQ 723 (CCPA 1971) and *In re Brown, supra*. Moreover, even if the applicants has cited prior art patents or publications to demonstrate that particular block diagram hardware or software components are old, it should not always be considered as self-evident how such components are to be interconnected to function in a

disclosed complex manner. See *In re Scarbrough*, 500 F.2d 560, 566, 182 USPQ 298, 301 (CCPA 1974) and *In re Forman*, 463 F.2d 1125, 1129, 175 USPQ 12, 16 (CCPA 1972). Furthermore, in complex systems including a digital computer, a microprocessor, or a complex control unit as one of many block diagram elements, timing between various system elements may be of the essence and without a timing chart relating the timed sequences for each element, an unreasonable amount of work may be required to come up with the detailed relationships an applicant alleges that he or she has solved. See *In re Scarbrough*, 500 F.2d at 566, 182 USPQ at 302. For example, in a block diagram disclosure of a complex claimed system which includes a microprocessor and other system components controlled by the microprocessor, a mere reference to a prior art, commercially available microprocessor, without any description of the precise operations to be performed by the microprocessor, fails to disclose how such a microprocessor would be properly programmed to either perform any required calculations or to coordinate the other system components in the proper timed sequence to perform the functions disclosed and claimed. If, in such a system, a particular program is disclosed, such a program should be carefully reviewed to ensure that its scope is commensurate with the scope of the functions attributed to such a program in the claims. See *In re Brown*, 477 F.2d at 951, 177 USPQ at 695. Since, the disclosure fails to disclose any program and more than routine experimentation would be required of one

skilled in the art to generate such a program, the examiner clearly has a reasonable basis for challenging the sufficiency of such a disclosure.

The specific first through seventh computer parsable program code is not disclosed and is known only to the inventor.

Allowable Subject Matter

6. Claims 1-19 are allowed.

7. As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

Conclusion

8. USPTO Issues Interim Examination Instructions for Evaluating Patent Subject Matter Eligibility

The USPTO has provided Interim Examination Instructions for Evaluating Patent Subject Matter Eligibility (hereinafter "Interim Eligibility Instructions") for use by USPTO personnel in their review of patent applications to determine whether the claims in a patent application are directed to patent eligible subject matter under 35 U.S.C. § 101 pending a final decision from the U.S. Supreme Court in Bilski v. Kappos, S.Ct. No. 08-964 (cert. granted June 1, 2009). The USPTO has begun the process of training examiners on the Interim Eligibility Instructions.

The USPTO is also posting the **Interim Eligibility Instructions** on the USPTO's Internet Web site (www.uspto.gov), and is requesting public comment on them. The USPTO is issuing the Interim Eligibility Instructions and has begun the process of training examiners on these instructions to reduce the delay in delivering these instructions to examiners, but the USPTO desires the benefit of public comment on the instructions and will revise the guidelines as appropriate based on comments received. To be ensured of consideration, written comments must be received on or before September 28, 2009. Comments should be sent by electronic mail message over the Internet addressed to AB98.Comments@uspto.gov. Comments may also be submitted

by facsimile to (571) 273-0125, marked to the attention of Caroline D. Dennison. Although comments may be submitted by mail or facsimile, the USPTO prefers to receive comments via the Internet. Because comments will be made available for public inspection, information that is not desired to be made public, such as an address or phone number, should not be included in the comments.

For further information contact Caroline D. Dennison, Office of the Deputy Commissioner for Patent Examination Policy, by telephone at 571-272-7729, or by facsimile transmission to 571-273-0125, marked to the attention of Caroline D. Dennison

9. If applicants wish to request for an interview, an *"Applicant Initiated Interview Request"* form (PTOL-413A) should be submitted to the examiner prior to the interview in order to permit the examiner to prepare in advance for the interview and to focus on the issues to be discussed. This form should identify the participants of the interview, the proposed date of the interview, whether the interview will be personal, telephonic, or video conference, and should include a brief description of the issues to be discussed. A copy of the completed *"Applicant Initiated Interview Request"* form should be attached to the Interview Summary form, PTOL-413 at the completion of the interview and a copy should be given to applicant or applicant's representative.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to WILLIAM D. CUMMING whose telephone number is 571-272-7861. The examiner can normally be reached on Tuesday- Friday, 11:00am- 8:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dwayne Bost can be reached on 571-272-7023. The fax 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.

/WILLIAM D CUMMING/
Primary Examiner
Art Unit 2617

Wdc



UNITED STATES
PATENT AND
TRADEMARK OFFICE

WILLIAM CUMMING
PRIMARY PATENT EXAMINER
william.cumming@uspto.gov

Notice of References Cited	Application/Control No. 12/365,157		Applicant(s)/Patent Under Reexamination ANDERL, EWALD	
	Examiner WILLIAM D. CUMMING		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-2004/0056907 A1	03-2004	Sharma et al.	345/863
*	B	US-7,254,384 B2	08-2007	Gailey et al.	455/412.1
*	C	US-2007/0280205 A1	12-2007	Howell et al.	370/352
*	D	US-7,321,854 B2	01-2008	Sharma et al.	704/243
*	E	US-2009/0028306 A1	01-2009	Rhie, Kyung Hoon	379/93.01
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	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					
	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.

Search Notes 	Application/Control No. 12365157	Applicant(s)/Patent Under Reexamination ANDERL, EWALD
	Examiner WILLIAM D CUMMING	Art Unit 2617

SEARCHED			
Class	Subclass	Date	Examiner
455	412.1	12/28/09	wdc
379	93.01	12/28/09	wdc
370	352	12/28/09	wdc
345	863	12/28/09	wdc
704	243	12/28/09	wdc

SEARCH NOTES		
Search Notes	Date	Examiner

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

	/WILLIAM D CUMMING/ Primary Examiner.Art Unit 2617
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<i>Index of Claims</i> 	Application/Control No. 12365157	Applicant(s)/Patent Under Reexamination ANDERL, EWALD
	Examiner WILLIAM D CUMMING	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	12/28/2009									
	1	=									
	2	=									
	3	=									
	4	=									
	5	=									
	6	=									
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	14	=									
	15	=									
	16	=									
	17	=									
	18	=									
	19	=									
	20	✓									

Amendments to the Claims

Claim 1 (original): A method of enabling a recipient to interact with an interactive multimodal message triggered on a mobile device of said recipient, comprising the steps of:

creating said interactive multimodal message by a sender using a client application available to said sender, wherein said created interactive multimodal message is stored at a server;

sending a notification comprising a pointer to said stored interactive multimodal message to said mobile device of the recipient by said server;

triggering the stored interactive multimodal message on the mobile device of the recipient by accessing said pointer in said notification; and

transmitting service information to the mobile device of the recipient through said triggered interactive multimodal message;

whereby the interactive multimodal message triggered on the mobile device enables said recipient interaction.

Claim 2 (original): The method of claim 1, wherein the recipient triggers the interactive multimodal message using on or more of dual-tone multi frequency dialogs, prompts in voice extensible markup language, automated speech recognition, and a hypertext transfer protocol post.

Claim 3 (original): The method of claim 1, wherein the interactive multimodal message is triggered on navigating through voice messages on the mobile device by the recipient.

Claim 4 (original): The method of claim 1, wherein the interactive multimodal message is triggered on activating a link in a text message on the mobile device by the recipient.

Claim 5 (original): The method of claim 1, wherein said transmitted service information provides the recipient with one or more options, wherein the recipient selects one of said provided options.

Claim 6 (original): The method of claim 5, further comprising the step of transmitting service content from the sender to the mobile device of the recipient based on said selected option.

Claim 7 (original): The method of claim 6, further comprising the step of billing the recipient for said transmitted service content based on the selected option.

Claim 8 (original): The method of claim 1, wherein each interactive multimodal message is grouped at the server based on predefined grouping rules, wherein said predefined grouping rules are based on one or more of context of the interactive multimodal message and recipient information.

Claim 9 (original): The method of claim 1, further comprising the step of forwarding the interactive multimodal message to a plurality of second recipients simultaneously.

Claim 10 (original): The method of claim 9, wherein at least a part of said forwarded interactive multimodal message is displayed differently to each of said second recipients based on services subscribed to by each of the second recipients and second recipient information.

Claim 11 (original): A system for enabling a recipient to interact with an interactive multimodal message triggered on a mobile device of said recipient, comprising:

a client application comprising a message creation module for creating said interactive multimodal message by a sender;

a server comprising:

a storage module for storing said created interactive multimodal message;

a notification module for sending a notification comprising a pointer to said stored interactive multimodal message to said mobile device of the recipient;

a triggering module for triggering the stored interactive multimodal message on the mobile device of the recipient; and

a transmission module for transmitting service information to the mobile device of the recipient through said triggered interactive multimodal message.

Claim 12 (original): The system of claim 11, wherein said server further comprises a grouping module for grouping each interactive multimodal message based on predefined grouping rules, wherein said predefined grouping rules are based on one or more of context of the interactive multimodal messages and recipient information.

Claim 13 (original): A The system of claim 11, wherein said server further comprises a routing module for enabling sending of the interactive multimodal message, forwarding of the interactive multimodal message to a second recipient, forwarding of the interactive multimodal message to a plurality of second recipients simultaneously, and replying to the interactive multimodal message.

Claim 14 (original): The system of claim 13, wherein the server displays at least a part of said forwarded interactive multimodal message differently to each of said second

recipients based on services subscribed to by each of the second recipients and second recipient information.

Claim 15 (original): The system of claim 11, wherein said transmission module transmits service content from said sender to the mobile device of the recipient based on an option selected by the recipient, wherein said option is selected from a plurality of options provided by said transmitted service information.

Claim 16 (original): The system of claim 15, wherein the server further comprises a billing module for billing the recipient for said transmitted service content based on said selected option.

Claim 17 (original): The system of claim 11, wherein said triggering module triggers the interactive multimodal message when the recipient accesses said pointer in said notification.

Claim 18 (original): The system of claim 11, wherein said triggering module triggers the interactive multimodal message on navigating through voice messages on the mobile device by the recipient.

Claim 19 (original): The system of claim 11, wherein the triggering module triggers the interactive multimodal message on activating a link in a text message on the mobile device by the recipient.

Claim 20 (withdrawn): A computer program product comprising computer executable instructions embodied in a computer-readable medium, wherein said computer program product comprises:

a first computer parsable program code for creating an interactive multimodal message;

a second computer parsable program code for storing said created interactive multimodal message at a server;

a third computer parsable program code for sending a notification comprising a pointer to said stored interactive multimodal message to a mobile device of a recipient;

a fourth computer parsable program code for triggering the stored interactive multimodal message on said mobile device of said recipient;

a fifth computer parsable program code for transmitting service information to the mobile device of the recipient through said triggered interactive multimodal message;

a sixth computer parsable program code for grouping each interactive multimodal message at said server;and

a seventh computer parsable program code for billing the recipient for service content transmitted from the sender.

Electronic Acknowledgement Receipt

EFS ID:	7373190
Application Number:	12365157
International Application Number:	
Confirmation Number:	5453
Title of Invention:	Interactive Multimodal Messaging
First Named Inventor/Applicant Name:	Ewald 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-06-US
Receipt Date:	08-APR-2010
Filing Date:	03-FEB-2009
Time Stamp:	00:46:51
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$65

RAM confirmation Number		6200			
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_006_US_Transmittal.pdf	261610	no	2
			8e44b042b07ece894ffb084dbd1ad84a7b20e8c9		
Warnings:					
Information:					
2	Amendment/Req. Reconsideration-After Non-Final Reject	KIRU-06-US_Response.pdf	51496	no	9
			1b7ee8db9a08b5c09543a95ddaa980524fa28e42		
Warnings:					
Information:					
3	Extension of Time	KIRU_006_US_Time_Extension. pdf	312249	no	2
			22fecbdc0335b318504c84591573b1aa1be837de		
Warnings:					
Information:					
4	Fee Worksheet (PTO-875)	fee-info.pdf	29809	no	2
			4cda0266a926bbbe11b5303826667d9b135da047		
Warnings:					
Information:					
Total Files Size (in bytes):			655164		

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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:

Application No.: 12/365,157

Filed: February 3, 2009

Applicant: Ewald Anderl

Title: Interactive Multimodal Messaging

Examiner: Cumming, William D

Art Unit: 2617

Atty. Docket No: KIRU-06-US

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Amendment In Response To Office Action

Examiner Cumming:

In response to the non final office action dated December 30, 2009, please amend the above-referenced application as follows:

Amendments to the Specification are reflected on page 2 of this response

Amendments to the Claims are reflected in the listing of claims, which begin on page 3 of this response.

Remarks begin on page 8 of this response.

Attachments:

1. Transmittal Form, PTO/SB/21;
2. Petition for 1 month time extension, Form PTO/SB/22;
3. Payment of the following fees:
 - \$65 for 1 month time extension;

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	12/365,157	
	Filing Date	February 3, 2009	
	First Named Inventor	Ewald Anderl	
	Art Unit	2617	
	Examiner Name	Cumming, William D	
Total Number of Pages in This Submission	9	Attorney Docket Number	Not Assigned

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):
<div style="border: 1px solid black; padding: 2px; width: 100px; float: left;">Remarks</div> <div style="clear: both;"></div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name			
Signature	/a tankha/		
Printed name	Ashok Tankha		
Date	8 April 2010	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.**

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

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.

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.

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) Not Assigned																								
Application Number 12/365,157	Filed February 3, 2009																								
For Interactive Multimodal Messaging																									
Art Unit 2617	Examiner Cumming, William D																								
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: 20%; text-align: center;"><u>Fee</u></th> <th style="width: 20%; text-align: center;"><u>Small Entity Fee</u></th> <th style="width: 20%;"></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: right;">\$ <u>65</u></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: right;">\$ _____</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: right;">\$ _____</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: right;">\$ _____</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: right;">\$ _____</td> </tr> </tbody> </table>			<u>Fee</u>	<u>Small Entity Fee</u>		☒ One month (37 CFR 1.17(a)(1))	\$130	\$65	\$ <u>65</u>	☐ Two months (37 CFR 1.17(a)(2))	\$490	\$245	\$ _____	☐ Three months (37 CFR 1.17(a)(3))	\$1110	\$555	\$ _____	☐ Four months (37 CFR 1.17(a)(4))	\$1730	\$865	\$ _____	☐ Five months (37 CFR 1.17(a)(5))	\$2350	\$1175	\$ _____
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☐ Five months (37 CFR 1.17(a)(5))	\$2350	\$1175	\$ _____																						
☒ 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> <div style="text-align: center;">_____ Signature</div>	<u>April 8, 2010</u> <div style="text-align: center;">_____ Date</div>																								
<u>Ashok Tankha</u> <div style="text-align: center;">_____ Typed or printed name</div>	<u>856-266-5145</u> <div style="text-align: center;">_____ Telephone Number</div>																								
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.**

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

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.
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Electronic Patent Application Fee Transmittal				
Application Number:		12365157		
Filing Date:		03-Feb-2009		
Title of Invention:		Interactive Multimodal Messaging		
First Named Inventor/Applicant Name:		Ewald Anderl		
Filer:		Ashok Tankha		
Attorney Docket Number:		KIRU-06-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 - 1 month with \$0 paid	2251	1	65	65

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				65

Remarks

The Present Invention and the Pending Claims

The present invention generally relates to interaction of a recipient with an interactive multimodal message applies to the field of network security and regulatory compliance, more specifically to compliance management.

Claims 1-19 are currently pending. Allowance of the pending claims is respectfully requested.

Summary of the Office Action

The abstract of the disclosure is objected to because of implied phrases. Correction is required.

Claim 20 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claim 20 is rejected under 35 U.S.C. 112, first paragraph for failing to comply with the enablement requirement.

Amendments To The Specification

The office action states “**The abstract of the disclosure is objected to because of implied phrases. Correction is required. See MPEP 608.01(b)**”.

In response to the above rejection, the abstract has been suitably amended.

Amendments To The Claims

Claims 1-19 are retained in their original form.

Claim 20 is withdrawn without prejudice.

The office action states: **“Claim 20 is rejected under 35 U.S.C. 101, because the claimed invention is directed to non-statutory subject matter.”**

Applicant has withdrawn claim 20. Accordingly, the above rejection is moot.

The office action further states: **“Claim 20 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement.”**

Applicant has withdrawn claim 20. Accordingly, the above rejection is moot.

The office action further states: **“Claims 1-19 are allowable.”**

Please pass allowed claims 1-18 to issue and withdraw claim 19 without prejudice.

Conclusion

Applicant respectfully requests that a timely Notice of Allowance be issued in this case. If, in the opinion of Examiner Cumming a telephone conference would expedite the prosecution of this application, Examiner Cumming is requested to call the undersigned.

Respectfully submitted,

Date: April 8, 2010



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

Amendments to the Specification

Please amend the abstract as follows:

~~Disclosed herein is a~~ A method and system is provided to enable ~~that enables~~ a recipient to interact with an interactive multimodal message triggered on the recipient's mobile device. A sender creates the interactive multimodal message using a client application. A server stores the created interactive multimodal message. The server sends a notification to the recipient's mobile device. The notification comprises a pointer to the stored interactive multimodal message. The stored interactive multimodal message is triggered on the recipient's mobile device when the pointer in the notification is accessed. Service information is transmitted to the recipient's mobile device through the triggered interactive multimodal message. The interactive multimodal message triggered on the recipient's mobile device enables the recipient interaction. The interactive multimodal message may be forwarded to one or more second recipients simultaneously. At least a part of the forwarded interactive multimodal message is displayed differently to each of the second recipients.

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 12/365,157		Filing Date 02/03/2009		☐ 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 \$	=	X \$	=	X \$	=	X \$	=	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X \$	=	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).								
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))											
* If the difference in column 1 is less than zero, enter "0" in column 2.											
APPLICATION AS AMENDED – PART II											
(Column 1)			(Column 2)			SMALL ENTITY OR		OTHER THAN SMALL ENTITY			
AMENDMENT	04/08/2010	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))	* 20	Minus	** 20	= 0	X \$26 =	0	OR	X \$ =	X \$ =	X \$ =	
Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X \$110 =	0	OR	X \$ =	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)			SMALL ENTITY OR		OTHER THAN SMALL ENTITY			
AMENDMENT	Total (37 CFR 1.16(i))	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	**	=	X \$ =		OR	X \$ =	X \$ =	X \$ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$ =		OR	X \$ =	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:
/EFREM WARREN/

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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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875					Application or Docket Number 12/365,157		Filing Date 02/03/2009		☐ 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 \$	=	X \$	=	X \$	=	X \$	=	
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APPLICATION AS AMENDED – PART II											
(Column 1)			(Column 2)			SMALL ENTITY OR		OTHER THAN SMALL ENTITY			
AMENDMENT	04/08/2010	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))	* 20	Minus	** 20	= 0	X \$26 =	0	OR	X \$ =	=	
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	☐ Application Size Fee (37 CFR 1.16(s))										
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
					TOTAL ADD'L FEE	0	OR	TOTAL ADD'L FEE			
(Column 1)			(Column 2)			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	**	=	X \$ =	=	OR	X \$ =	=	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$ =	=	OR	X \$ =	=	
	☐ Application Size Fee (37 CFR 1.16(s))										
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
					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:
/EFREM WARREN/

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

Search Notes 	Application/Control No. 12365157	Applicant(s)/Patent Under Reexamination ANDERL, EWALD
	Examiner WILLIAM D CUMMING	Art Unit 2617

SEARCHED			
Class	Subclass	Date	Examiner
455	412.1	12/28/09	
379	93.01	12/28/09	wdc
370	352	12/28/09	wdc
345	863	12/28/09	wdc
704	243	12/28/09	wdc
update		7/1/10	wdc

SEARCH NOTES		
Search Notes	Date	Examiner

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

	/WILLIAM D CUMMING/ Primary Examiner.Art Unit 2617
--	---



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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/365,157	02/03/2009	Ewald Anderl	KIRU-06-US	5453
7590	07/02/2010			
Ashok Tankha 36 Greenleigh Drive Sewell, NJ 08080			EXAMINER CUMMING, WILLIAM D	
			ART UNIT	PAPER NUMBER
			2617	
			MAIL DATE	DELIVERY MODE
			07/02/2010	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. 12/365,157	Applicant(s) ANDERL, EWALD	
	Examiner WILLIAM D. CUMMING	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 08 April 2010.
- 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) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-19 is/are allowed.
- 6) ☒ Claim(s) 20 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 _____ 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 _____ | 6) ☐ Other: _____ |

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

The subject matter of the claim **MUST** be directed to one of the four subject matter categories. If it is not, the claim is not eligible for patent protection and should be rejected under § 101, for at least this reason.

A summary of the four categories of invention, as they have been defined by the courts, are:

- i. Process – an act, or a series of acts or steps that are tied to a particular machine or apparatus or transform a particular article into a different state or thing.
- ii. Machine – a concrete thing, consisting of parts, or of certain devices and combination of devices. This includes every mechanical device or combination of mechanical powers and devices to perform some function and produce a certain effect or result.
- iii. Manufacture – an article produced from raw or prepared materials by giving to these materials new forms, qualities, properties, or combinations, whether by hand-labor or by machinery.

iv. Composition of matter – all compositions of two or more substances and all composite articles, whether they be the results of chemical union, or of mechanical mixture, or whether they be gases, fluids, powders or solids, for example.

Non-limiting examples of claims that are not directed to one of the statutory categories:

- i. Transitory forms of signal transmission (for example, a propagating electrical or electromagnetic signal *per se*).
- ii. A naturally occurring organism.
- iii. A human *per se*.
- iv. A legal contractual agreement between two parties.
- v. A game defined as a set of rules.
- vi. A computer program *per se*.
- vii. A company.

A claim that covers **BOTH** statutory and non-statutory embodiments (under the broadest reasonable interpretation of the claim when read in light of the specification and in view of one skilled in the art) embraces subject matter that is not eligible for patent protection and therefore is directed to non-statutory subject matter. Such claims fail the first step and should be rejected under § 101, for at least this reason. For example, a claim to a computer readable medium that can be a compact disc or a *carrier wave* covers a non-statutory embodiment and therefore should be rejected under § 101 as being directed to non-statutory subject matter.

The specification states that the computer readable medium can be transmission medium.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claim 20 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

In computer applications, it is not unusual for the claimed invention to involve two areas of prior art or more than one technology, e.g., an appropriately programmed computer and an area of application of said computer. *White Consol. Indus.*, 214 USPQ at 821. In regard to the "skilled in the art" standard, in cases involving both the art of computer programming, and another technology, the examiner must recognize that the knowledge of persons skilled in both technologies is the appropriate criteria for determining sufficiency. See *In re Naquin*, 398 F.2d 863, 158 USPQ 317 (CCPA 1968); *In re Brown*, 477 F.2d 946, 177 USPQ 691 (CCPA 1973); and *White Consol. Indus. v. Vega Servo-Control*,

Inc., 214 USPQ 796, 822 (S.D.Mich. 1982), *aff'd on related grounds*, 713 F.2d 788, 218 USPQ 961 (Fed. Cir. 1983). In a typical computer application, system components are often represented in a "*block diagram*" format, i.e., a group of hollow rectangles representing the elements of the system, functionally labeled, and interconnected by lines. Such block diagram computer cases may be categorized into (A) systems which include but are more comprehensive than a computer and (B) systems wherein the block elements are totally within the confines of a computer.

The first category of such block diagram cases involves systems which include a computer as well as other system hardware and/or software components. In order to meet his or her burden of establishing a reasonable basis for questioning the adequacy of such disclosure, the examiner should initiate a factual analysis of the system by focusing on each of the individual block element components. More specifically, such an inquiry should focus on the diverse functions attributed to each block element as well as the teachings in the specification as to how such a component could be implemented. Based on such an analysis, the examiner has reasonably contend that more than routine experimentation would be required by one of ordinary skill in the art to implement such a component or components, that component or components is specifically be challenged by the examiner as part of this 35 U.S.C. 112, first paragraph rejection. Additionally, the examiner has determine whether certain of the hardware or software components depicted as block elements are themselves

complex assemblages which have widely differing characteristics and which must be precisely coordinated with other complex assemblages. Under such circumstances, a reasonable basis does exist for challenging such a functional block diagram form of disclosure. See *In re Ghiron*, 442 F.2d 985, 169 USPQ 723 (CCPA 1971) and *In re Brown, supra*. Moreover, even if the applicants has cited prior art patents or publications to demonstrate that particular block diagram hardware or software components are old, it should not always be considered as self-evident how such components are to be interconnected to function in a disclosed complex manner. See *In re Scarbrough*, 500 F.2d 560, 566, 182 USPQ 298, 301 (CCPA 1974) and *In re Forman*, 463 F.2d 1125, 1129, 175 USPQ 12, 16 (CCPA 1972). Furthermore, in complex systems including a digital computer, a microprocessor, or a complex control unit as one of many block diagram elements, timing between various system elements may be of the essence and without a timing chart relating the timed sequences for each element, an unreasonable amount of work may be required to come up with the detailed relationships an applicant alleges that he or she has solved. See *In re Scarbrough*, 500 F.2d at 566, 182 USPQ at 302. For example, in a block diagram disclosure of a complex claimed system which includes a microprocessor and other system components controlled by the microprocessor, a mere reference to a prior art, commercially available microprocessor, without any description of the precise operations to be performed by the microprocessor, fails to disclose how such a microprocessor would be properly programmed to

either perform any required calculations or to coordinate the other system components in the proper timed sequence to perform the functions disclosed and claimed. If, in such a system, a particular program is disclosed, such a program should be carefully reviewed to ensure that its scope is commensurate with the scope of the functions attributed to such a program in the claims. See *In re Brown*, 477 F.2d at 951, 177 USPQ at 695. Since, the disclosure fails to disclose any program and more than routine experimentation would be required of one skilled in the art to generate such a program, the examiner clearly has a reasonable basis for challenging the sufficiency of such a disclosure.

The specific first through seventh computer parsable program code is not disclosed and is known only to the inventor.

Allowable Subject Matter

5. Claims 1-19 are allowed.
6. As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

Response to Arguments

7. Applicant's arguments filed April 8, 2010 have been fully considered but they are not persuasive.

The examiner made no restriction requirement, hence the withdrawal of claim 20 is improper. Also a withdrawal claim is considered a pending claim. If applicant's attorney wishes to cancel the claim, then the attorney should do it.

Conclusion

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

9. **A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.**

10. If applicants wish to request for an interview, an "*Applicant Initiated Interview Request*" form (PTOL-413A) should be submitted to the examiner prior to the interview in order to permit the examiner to prepare in advance for the interview and to focus on the issues to be discussed. This form should identify the participants of the interview, the proposed date of the interview, whether the interview will be personal, telephonic, or video conference, and should include a brief description of the issues to be discussed. A copy of the completed "*Applicant Initiated Interview Request*" form should be attached to the Interview Summary form, PTOL-413 at the completion of the interview and a copy should be given to applicant or applicant's representative.

11. If applicants request an interview after this **final rejection**, prior to the interview, the intended purpose and content of the interview should be presented briefly, in writing. Such an interview may be granted if the examiner is convinced that disposal or clarification for appeal may be accomplished with only nominal further consideration. Interviews merely to **restate arguments** of record or to **discuss new limitations** which would require more than nominal reconsideration or new search will be denied.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to WILLIAM D. CUMMING whose telephone number is 571-272-7861. The examiner can normally be reached on Tuesday- Friday, 11:00am- 8:00pm.

13. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dwayne Bost can be reached on 571-272-7023. The fax 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.

/WILLIAM D CUMMING/
Primary Examiner
Art Unit 2617



UNITED STATES
PATENT AND
TRADEMARK OFFICE

WILLIAM CUMMING
PRIMARY PATENT EXAMINER
william.cumming@uspto.gov

<i>Index of Claims</i> 	Application/Control No. 12365157	Applicant(s)/Patent Under Reexamination ANDERL, EWALD
	Examiner WILLIAM D CUMMING	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	12/28/2009	07/01/2010												
	1	=	=												
	2	=	=												
	3	=	=												
	4	=	=												
	5	=	=												
	6	=	=												
	7	=	=												
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	14	=	=												
	15	=	=												
	16	=	=												
	17	=	=												
	18	=	=												
	19	=	=												
	20	✓	✓												

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:

Application No.: 12/365,157

Filed: February 3, 2009

Applicant: Ewald Anderl

Title: Interactive Multimodal Messaging

Examiner: Cumming, William D

Art Unit: 2617

Atty. Docket No: KIRU-06-US

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Request for Continued Examination

Examiner Cumming:

In response to the Final office action dated July 2, 2010, please amend the above-referenced application as follows:

Amendments to the Claims are reflected in page 2 of this response.

Remarks begin on page 6 of this response.

Attachments:

1. Transmittal Form, PTO/SB/21;
2. Request for Continued Examination, form PTO/SB/30;
3. Payment of the following fees by credit card:
 - \$405 for request for continued examination;

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

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL **(Submitted Only via EFS-Web)**

Application Number	12/365,157	Filing Date	2009-02-03	Docket Number (if applicable)	KIRU-06-US	Art Unit	2617
First Named Inventor	Ewald Anderl			Examiner Name	Cumming, William D		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.

Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

☐ Other _____

☒ Enclosed

☒ Amendment/Reply

☐ Information Disclosure Statement (IDS)

☐ Affidavit(s)/ Declaration(s)

☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____
 (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

☒ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**

The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to
 Deposit Account No 503291

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

Signature of Registered U.S. Patent Practitioner			
Signature	/a tankha/	Date (YYYY-MM-DD)	2010-07-30
Name	Ashok Tankha	Registration Number	33802

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is 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 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.

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

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 the Freedom of Information Act requires disclosure of these records.
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.

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	12/365,157
	Filing Date	February 3, 2009
	First Named Inventor	Ewald Anderl
	Art Unit	2617
	Examiner Name	Cumming, William D
Total Number of Pages in This Submission	Attorney Docket Number	KIRU-06-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):
<div style="border: 1px solid black; padding: 2px; display: inline-block;">Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name			
Signature	/a tankha/		
Printed name	Ashok Tankha		
Date	July 30, 2010	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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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.
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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.

Electronic Acknowledgement Receipt

EFS ID:	8122055
Application Number:	12365157
International Application Number:	
Confirmation Number:	5453
Title of Invention:	Interactive Multimodal Messaging
First Named Inventor/Applicant Name:	Ewald 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-06-US
Receipt Date:	30-JUL-2010
Filing Date:	03-FEB-2009
Time Stamp:	00:46:35
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 405

RAM confirmation Number		6544			
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-006-US_Transmittal.pdf	261278	no	2
			2e15692ae121320367e89c317510aa961f5b033a		
Warnings:					
Information:					
2	Amendment After Final	KIRU-006-US_Response.pdf	61592	no	10
			71b43ade562a4e3feb962f330d23e9d7e3370980		
Warnings:					
Information:					
3	Request for Continued Examination (RCE)	KIRU-006-US_RCE.pdf	697848	no	3
			5c8dd1926120e379c35d5e7a130aa5cc50f6fb4e		
Warnings:					
Information:					
4	Fee Worksheet (PTO-875)	fee-info.pdf	29980	no	2
			43892efba0dbe6d6b9ab7a26c6a40e2c829815f8		
Warnings:					
Information:					
Total Files Size (in bytes):			1050698		

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.

Remarks

The Present Invention and the Pending Claims

The present invention generally relates to interaction of a recipient with an interactive multimodal message applies to the field of network security and regulatory compliance, more specifically to compliance management.

Claims 1-19 are allowable. Claim 20 is currently pending. Allowance of the pending claim is respectfully requested.

Summary of the Office Action

Claim 20 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claim 20 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement.

Amendments To The Claims

Claims 1-19 are retained in their original form.

Claim 20 is currently amended.

The office action states: “**Claim 20 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The subject matter of the claim MUST be directed to one of the four subject matter categories. If it is not, the claim is not eligible for patent protection and should be rejected under § 101, for at least this reason.....**

Non-limiting examples of claims that are not directed to one of the statutory categories:

i. Transitory forms of signal transmission (for example, a propagating electrical or electromagnetic signal *per se*)......

A claim that covers BOTH statutory and non-statutory embodiments under the broadest reasonable interpretation of the claim when read in light of the specification and in view of one skilled in the art embraces subject matter that is not eligible for patent protection and therefore is directed to non-statutory subject matter.....

The specification states that the computer readable medium can be transmission medium.”

In response, claim 20 has been amended in accordance with US PTO’s guideline “Subject Matter Eligibility of Computer Readable Media” to recite: “A *computer program product comprising computer executable instructions embodied in a non-transitory computer-readable medium, wherein said computer program product comprises a plurality of computer parsable codes for causing a computer to.....”.*

US PTO’s guideline for “Subject Matter Eligibility of Computer Readable Media” by David J. Kappos, on January 26, 2010 state: “A claim **drawn** to a computer readable medium that covers both transitory and non-transitory embodiments may be amended to narrow the claim to cover only statutory embodiments to avoid a rejection under 35 U.S.C. § 101 by adding the limitation "non-transitory" to the claim. *Cf. Animals -Patentability, 1077 Off. Gaz. Pat. Office 24* (April 21, 1987) (suggesting that applicants add the limitation "non-human" to a claim covering a multi-cellular organism to avoid a rejection under 35 U.S.C. § 101). Such an amendment would typically not raise the issue of new **matter**, even when the specification is silent because the broadest reasonable interpretation relies on the ordinary and customary meaning that includes signals *per se*.”

Accordingly, applicant respectfully submits that rejection of claim 20 under 35 U.S.C. 101 has now been overcome.

The office action further states: **“Claim 20 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.....**

The specific first through seventh computer parsable program code is not disclosed and is known only to the inventor.”

In response, claim 20 has been suitably amended. Support for the above amendment is found page 13, line 24 – page 14, line 27. For example, at page 14, lines 23-27 applicant discloses: *“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.”*

Accordingly, applicant respectfully submits that rejection of claim 20 under 35 U.S.C. 112 has now been overcome.

Conclusion

Applicant respectfully requests that a timely Notice of Allowance be issued in this case. If, in the opinion of Examiner Cumming a telephone conference would expedite the prosecution of this application, Examiner Cumming is requested to call the undersigned.

Respectfully submitted,

Date: July 30, 2010



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

Electronic Patent Application Fee Transmittal				
Application Number:		12365157		
Filing Date:		03-Feb-2009		
Title of Invention:		Interactive Multimodal Messaging		
First Named Inventor/Applicant Name:		Ewald Anderl		
Filer:		Ashok Tankha		
Attorney Docket Number:		KIRU-06-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:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Request for continued examination	2801	1	405	405
Total in USD (\$)				405

Amendments to the Claims

Claim 1 (original): A method of enabling a recipient to interact with an interactive multimodal message triggered on a mobile device of said recipient, comprising the steps of:

creating said interactive multimodal message by a sender using a client application available to said sender, wherein said created interactive multimodal message is stored at a server;

sending a notification comprising a pointer to said stored interactive multimodal message to said mobile device of the recipient by said server;

triggering the stored interactive multimodal message on the mobile device of the recipient by accessing said pointer in said notification; and

transmitting service information to the mobile device of the recipient through said triggered interactive multimodal message;

whereby the interactive multimodal message triggered on the mobile device enables said recipient interaction.

Claim 2 (original): The method of claim 1, wherein the recipient triggers the interactive multimodal message using on or more of dual-tone multi frequency dialogs, prompts in voice extensible markup language, automated speech recognition, and a hypertext transfer protocol post.

Claim 3 (original): The method of claim 1, wherein the interactive multimodal message is triggered on navigating through voice messages on the mobile device by the recipient.

Claim 4 (original): The method of claim 1, wherein the interactive multimodal message is triggered on activating a link in a text message on the mobile device by the recipient.

Claim 5 (original): The method of claim 1, wherein said transmitted service information provides the recipient with one or more options, wherein the recipient selects one of said provided options.

Claim 6 (original): The method of claim 5, further comprising the step of transmitting service content from the sender to the mobile device of the recipient based on said selected option.

Claim 7 (original): The method of claim 6, further comprising the step of billing the recipient for said transmitted service content based on the selected option.

Claim 8 (original): The method of claim 1, wherein each interactive multimodal message is grouped at the server based on predefined grouping rules, wherein said predefined grouping rules are based on one or more of context of the interactive multimodal message and recipient information.

Claim 9 (original): The method of claim 1, further comprising the step of forwarding the interactive multimodal message to a plurality of second recipients simultaneously.

Claim 10 (original): The method of claim 9, wherein at least a part of said forwarded interactive multimodal message is displayed differently to each of said second recipients based on services subscribed to by each of the second recipients and second recipient information.

Claim 11 (original): A system for enabling a recipient to interact with an interactive multimodal message triggered on a mobile device of said recipient, comprising:

a client application comprising a message creation module for creating said interactive multimodal message by a sender;

a server comprising:

a storage module for storing said created interactive multimodal message;

a notification module for sending a notification comprising a pointer to said stored interactive multimodal message to said mobile device of the recipient;

a triggering module for triggering the stored interactive multimodal message on the mobile device of the recipient; and

a transmission module for transmitting service information to the mobile device of the recipient through said triggered interactive multimodal message.

Claim 12 (original): The system of claim 11, wherein said server further comprises a grouping module for grouping each interactive multimodal message based on predefined grouping rules, wherein said predefined grouping rules are based on one or more of context of the interactive multimodal messages and recipient information.

Claim 13 (original): A The system of claim 11, wherein said server further comprises a routing module for enabling sending of the interactive multimodal message, forwarding of the interactive multimodal message to a second recipient, forwarding of the interactive multimodal message to a plurality of second recipients simultaneously, and replying to the interactive multimodal message.

Claim 14 (original): The system of claim 13, wherein the server displays at least a part of said forwarded interactive multimodal message differently to each of said second

recipients based on services subscribed to by each of the second recipients and second recipient information.

Claim 15 (original): The system of claim 11, wherein said transmission module transmits service content from said sender to the mobile device of the recipient based on an option selected by the recipient, wherein said option is selected from a plurality of options provided by said transmitted service information.

Claim 16 (original): The system of claim 15, wherein the server further comprises a billing module for billing the recipient for said transmitted service content based on said selected option.

Claim 17 (original): The system of claim 11, wherein said triggering module triggers the interactive multimodal message when the recipient accesses said pointer in said notification.

Claim 18 (original): The system of claim 11, wherein said triggering module triggers the interactive multimodal message on navigating through voice messages on the mobile device by the recipient.

Claim 19 (original): The system of claim 11, wherein the triggering module triggers the interactive multimodal message on activating a link in a text message on the mobile device by the recipient.

Claim 20 (currently amended): A computer program product comprising computer executable instructions embodied in a non-transitory computer-readable medium, wherein said computer program product comprises a plurality of computer parsable codes for causing a computer to:

create a first computer parsable program code for creating an interactive multimodal message;

~~store a second computer parsable program code for storing said created interactive multimodal message at a server;~~

~~send a third computer parsable program code for sending a notification comprising a pointer to said stored interactive multimodal message to a mobile device of a recipient;~~

~~send a fourth computer parsable program code for triggering the stored interactive multimodal message on said mobile device of said recipient;~~

~~transmit a fifth computer parsable program code for transmitting service information to the mobile device of the recipient through said triggered interactive multimodal message;~~

~~group a sixth computer parsable program code for grouping each interactive multimodal message at said server; and~~

~~bill a seventh computer parsable program code for billing the recipient for service content transmitted from the sender.~~

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 12/365,157		Filing Date 02/03/2009		☐ 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 \$	=	X \$	=	X \$	=	X \$	=	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X \$	=	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).								
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))											
* If the difference in column 1 is less than zero, enter "0" in column 2.											
APPLICATION AS AMENDED – PART II											
(Column 1)			(Column 2)			SMALL ENTITY OR		OTHER THAN SMALL ENTITY			
AMENDMENT	07/30/2010	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))	* 20	Minus	** 20	= 0	X \$26 =	0	OR	X \$ =	X \$ =	X \$ =	
Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X \$110 =	0	OR	X \$ =	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)			SMALL ENTITY OR		OTHER THAN SMALL ENTITY			
AMENDMENT	Total (37 CFR 1.16(i))	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	**	=	X \$ =		OR	X \$ =	X \$ =	X \$ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$ =		OR	X \$ =	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:
/ANTHONY TYSON/

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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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
12/365,157	02/03/2009	Ewald Anderl	KIRU-06-US

CONFIRMATION NO. 5453

PUBLICATION NOTICE



OC000000042916211

Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

Title:Interactive Multimodal Messaging

Publication No.US-2010-0197278-A1

Publication Date:08/05/2010

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.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently <http://pair.uspto.gov/>. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

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

Search Notes *1236515 7*	Application/Control No. 12365157	Applicant(s)/Patent Under Reexamination ANDERL, EWALD
	Examiner WILLIAM D CUMMING	Art Unit 2617

SEARCHED			
Class	Subclass	Date	Examiner
455	412.1	12/28/09	
379	93.01	12/28/09	wdc
370	352	12/28/09	wdc
345	863	12/28/09	wdc
704	243	12/28/09	wdc
update		7/1/10	wdc
update		1/2/11	wdc

SEARCH NOTES		
Search Notes	Date	Examiner

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner
455	412.1	1/2/11	wdc

	/WILLIAM D CUMMING/ Primary Examiner.Art Unit 2617
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<i>Index of Claims</i> *1236515 7*	Application/Control No. 12365157	Applicant(s)/Patent Under Reexamination ANDERL, EWALD
	Examiner WILLIAM D CUMMING	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	12/28/2009	07/01/2010	01/02/2011						
1	1	=	=	=						
2	2	=	=	=						
3	3	=	=	=						
4	4	=	=	=						
5	5	=	=	=						
6	6	=	=	=						
7	7	=	=	=						
8	8	=	=	=						
9	9	=	=	=						
10	10	=	=	=						
11	11	=	=	=						
12	12	=	=	=						
13	13	=	=	=						
14	14	=	=	=						
15	15	=	=	=						
16	16	=	=	=						
17	17	=	=	=						
18	18	=	=	=						
19	19	=	=	=						
20	20	✓	✓	=						



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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 01/06/2011
Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

EXAMINER	
CUMMING, WILLIAM D	
ART UNIT	PAPER NUMBER
2617	

DATE MAILED: 01/06/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/365,157	02/03/2009	Ewald Anderl	KIRU-06-US	5453

TITLE OF INVENTION: INTERACTIVE MULTIMODAL MESSAGING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	04/06/2011

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.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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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

If the SMALL ENTITY is shown as NO:

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

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

7590

01/06/2011

Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/365,157	02/03/2009	Ewald Anderl	KIRU-06-US	5453

TITLE OF INVENTION: INTERACTIVE MULTIMODAL MESSAGING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	04/06/2011

EXAMINER	ART UNIT	CLASS-SUBCLASS
CUMMING, WILLIAM D	2617	455-412100

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 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 _____

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 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

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 _____

Date _____

Typed or printed name _____

Registration No. _____

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.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/365,157	02/03/2009	Ewald Anderl	KIRU-06-US	5453
7590	01/06/2011			
Ashok Tankha 36 Greenleigh Drive Sewell, NJ 08080				
			EXAMINER CUMMING, WILLIAM D	
			ART UNIT	PAPER NUMBER
			2617	
DATE MAILED: 01/06/2011				

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 28 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 28 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.

Notice of Allowability	Application No.	Applicant(s)	
	12/365,157	ANDERL, EWALD	
	Examiner	Art Unit	
	WILLIAM D. CUMMING	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 the amendment filed July 30, 2010.

2. ☒ The allowed claim(s) is/are 1-20.

3. ☐ 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.

4. ☐ 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.

5. ☐ 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).

6. ☐ 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 _____.
---	---

/WILLIAM D CUMMING/ Primary Examiner Art Unit: 2617	
---	--



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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 P.O. Box 1450
 Alexandria, Virginia 22313-1450
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BIB DATA SHEET

CONFIRMATION NO. 5453

SERIAL NUMBER 12/365,157	FILING or 371(c) DATE 02/03/2009 RULE	CLASS 455	GROUP ART UNIT 2617	ATTORNEY DOCKET NO. KIRU-06-US		
APPLICANTS Ewald Anderl, Middletown, NJ; ** CONTINUING DATA ***** ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** ** SMALL ENTITY ** 02/20/2009						
Foreign Priority claimed ☐ Yes ☒ No 35 USC 119(a-d) conditions met ☐ Yes ☒ No Verified and / wdc / Acknowledged Examiner's Signature		☐ Met after Allowance Initials	STATE OR COUNTRY NJ	SHEETS DRAWINGS 4	TOTAL CLAIMS 20	INDEPENDENT CLAIMS 3
ADDRESS Ashok Tankha 36 Greenleigh Drive Sewell, NJ 08080						
TITLE Interactive Multimodal Messaging						
FILING FEE RECEIVED 462	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				

Electronic Acknowledgement Receipt

EFS ID:	9646955
Application Number:	12365157
International Application Number:	
Confirmation Number:	5453
Title of Invention:	INTERACTIVE MULTIMODAL MESSAGING
First Named Inventor/Applicant Name:	Ewald 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-06-US
Receipt Date:	14-MAR-2011
Filing Date:	03-FEB-2009
Time Stamp:	03:25:11
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 1055

RAM confirmation Number	7358				
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-006-US_Issue_Fee_Transmittal.pdf	465353 3ce97f94baa7d636aba0a2f72e3ae9ab188165e6	no	1
Warnings:					
Information:					
2	Fee Worksheet (PTO-875)	fee-info.pdf	31614 9ef2f61042f810ab591f66e736f8a8377dd470fb	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			496967		
<p>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.</p> <p><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.</p> <p><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.</p> <p><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.</p>					

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax **(571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

12/365,157 02/03/2009 Ewald Anded KIRU-06-US 5453

TITLE OF INVENTION: INTERACTIVE MULTIMODAL MESSAGING

APPL. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional YES \$755 \$300 \$0 \$1055 04/06/2011

EXAMINER	AIR UNIT	CLASS-SUBCLASS
----------	----------	----------------

CUMMING, WILLIAM D 2617 455-412100

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47, Rev 03-02 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.

Ash Tankha

1.
IP Legal Services

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 3.11. 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 Providence, NJ

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-2036 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/

Date: 14 March 2011

Typed or printed name: Ashok Tankha

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 Patent Application Fee Transmittal				
Application Number:		12365157		
Filing Date:		03-Feb-2009		
Title of Invention:		INTERACTIVE MULTIMODAL MESSAGING		
First Named Inventor/Applicant Name:		Ewald Anderl		
Filer:		Ashok Tankha		
Attorney Docket Number:		KIRU-06-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	755	755
Publ. Fee- early, voluntary, or normal	1504	1	300	300

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1055



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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.
12/365,157	04/19/2011	7929949	KIRU-06-US	5453

7590 03/30/2011
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 28 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 Anderl, Middletown, NJ;



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	PATENT NUMBER	GROUP ART UNIT	FILE WRAPPER LOCATION
12/365,157	7929949	2617	9200



Correspondence Address/Fee Address Change

The following fields have been set to Customer Number 64188 on 07/17/2020

- Correspondence Address
- Maintenance Fee Address

The address of record for Customer Number 64188 is:

64188
ASHOK TANKHA
36 GREENLEIGH DRIVE
SEWELL, NJ 08080

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		DEFENDANT 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			
3			
4			
5			

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE

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		DEFENDANT 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	
1			
2			
3			
4			
5			

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		DEFENDANT 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
1		
2		
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5		

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-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
1 7,929,949	4/19/2011	Multimodal Media LLC
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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		
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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
-------	-------------------	------

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