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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99**)		
	Application Number	
	Filing Date	2017-03-02
	First Named Inventor	David Walker Harper
	Art Unit	TBA
	Examiner Name	TBA
	Attorney Docket Number	1018-2 CON7

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

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

☐ See attached certification statement.

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

☒ A certification statement is not submitted herewith.

SIGNATURE

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

Signature	/Joseph B. Ryan/	Date (YYYY-MM-DD)	2017-03-02
Name/Print	Joseph B. Ryan	Registration Number	37922

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Signature	/Joseph B. Ryan/	Date (YYYY-MM-DD)	2017-03-02
Name/Print	Joseph B. Ryan	Registration Number	37922

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CERTIFICATION STATEMENT

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

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

OR

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☐ See attached certification statement.

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

☒ A certification statement is not 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	/Joseph B. Ryan/	Date (YYYY-MM-DD)	2017-03-02
Name/Print	Joseph B. Ryan	Registration Number	37922

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EXAMINER SIGNATURE

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CERTIFICATION STATEMENT

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

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OR

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

☐ See attached certification statement.

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

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SIGNATURE

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Signature	/Joseph B. Ryan/	Date (YYYY-MM-DD)	2017-03-02
Name/Print	Joseph B. Ryan	Registration Number	37922

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	1	Decision of the United States Court of Appeals for the Federal Circuit in Wireless Ink Corporation v. Google Inc. et al. and Wireless Ink Corporation v. Facebook Inc. et al., Nos. 2013-1683 and 2013-1684, 2 pages, July 16, 2014.	☐
	2	Decision of the Patent Trial and Appeal Board in Facebook, Inc., Requester v. Wireless Ink Corp., Patent Owner, Appeal No. 2014-007363, Reexamination Control No. 95/001,989, October 30, 2014, 15 pages.	☐
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Name/Print	Joseph B. Ryan	Registration Number	37922

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Docket No. 1018-2 CON5

Outside Counsel Docket No. 1018-2 CON5

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS

As the below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application, or

☑ United States application or PCT international application number 14/324,698 filed on July 7, 2014.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

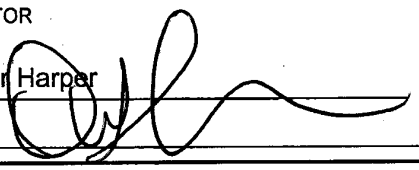
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LEGAL NAME OF INVENTOR

Inventor: David Walker Harper

Signature: 

Date: 9/25/2014

Docket No. 1018-2 CON5

Outside Counsel Docket No. 1018-2 CON5

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As the below named inventor, I hereby declare that:

This declaration is directed to:

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The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

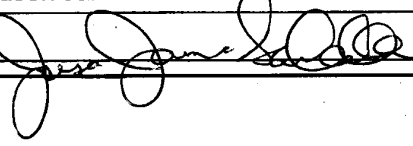
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Jason James Sabella Date: 9/25/2014

Signature: 

Docket No. 1018-2 CON5

Outside Counsel Docket No. 1018-2 CON5

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS

As the below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ The attached application, or
- ☑ United States application or PCT international application number 14/324,698 filed on July 7, 2014.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: William Henry Munch Date: 10/1/14

Signature: _____

PTO/AIA/14 (11-15)
Approved for use through 04/30/2017. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1018-2 CON7
	Application Number	
Title of Invention	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2:

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	David	Walker	Harper	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Bay Shore	State/Province	NY	Country of Residence	US

Mailing Address of Inventor:

Address 1	37 19th Avenue		
Address 2			
City	Bay Shore	State/Province	NY
Postal Code	11706	Country	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Jason	James	Sabella	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Coram	State/Province	NY	Country of Residence	US

Mailing Address of Inventor:

Address 1	1803 Townehouse Drive		
Address 2			
City	Coram	State/Province	NY
Postal Code	11727	Country	US

Inventor 3 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	William	Henry	Munch	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

PTO/AIA/14 (11-15)
Approved for use through 04/30/2017. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1018-2 CON7
	Application Number	
Title of Invention	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS	

City	Tampa	State/Province	FL	Country of Residence	US

Mailing Address of Inventor:

Address 1	481 Severn Avenue		
Address 2			
City	Tampa	**State/Province**	FL
Postal Code	33606	**Country**	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	31825		
Email Address	nyoffice@rml-law.com	Add Email	Remove Email

Application Information:

Title of the Invention	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS		
Attorney Docket Number	1018-2 CON7	**Small Entity Status Claimed**	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	48	**Suggested Figure for Publication (if any)**	

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1018-2 CON7
	Application Number	
Title of Invention	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS	

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	(●) Customer Number	( ) US Patent Practitioner	( ) Limited Recognition (37 CFR 11.9)
Customer Number	31825		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.
When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	14324698	2014-07-07

Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14324698	Continuation of	14175768	2014-02-07	8825801	2014-09-02

Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14175768	Continuation of	13364950	2012-02-02	8793336	2014-07-29

Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13364950	Continuation of	13027519	2011-02-15	8135801	2012-03-13

Prior Application Status	Patented				Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13027519	Continuation of	12548928	2009-08-27	7908342	2011-03-15

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1018-2 CON7
	Application Number	
Title of Invention	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS	

Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
12548928	Continuation of	10464526	2003-06-18	7599983	2009-10-06

Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
10464526	Claims benefit of provisional	60389430	2002-06-18

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)[i] the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.
NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1018-2 CON7
	Application Number	
Title of Invention	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS	

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☒ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☒ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1018-2 CON7
	Application Number	
Title of Invention	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS	

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◉ Assignee	○ Legal Representative under 35 U.S.C. 117	○ Joint Inventor
○ Person to whom the inventor is obligated to assign.	○ Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

Organization Name	Engagelogic Corporation

Mailing Address Information For Applicant:

Address 1	34 E. Main Street, Suite 392		
Address 2			
City	Smithtown	**State/Province**	NY
Country	US	Postal Code	11787
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1018-2 CON7
	Application Number	
Title of Invention	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS	

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1			
Address 2			
City		**State/Province**	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

Signature:

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). **However, if this Application Data Sheet is submitted with the INITIAL filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).**

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Joseph B. Ryan/			Date (YYYY-MM-DD)	2017-03-02
First Name	Joseph B.	Last Name	Ryan	Registration Number	37922

Additional Signature may be generated within this form by selecting the Add button.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	1018-2 CON7
	Application Number	
Title of Invention	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS	

This collection of information is required by 37 CFR 1.76. 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 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet 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.**

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS
First Named Inventor/Applicant Name:	David Walker Harper
Filer:	Joseph Bernard Ryan
Attorney Docket Number:	1018-2 CON7

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
UTILITY FILING FEE (ELECTRONIC FILING)	4011	1	70	70
UTILITY SEARCH FEE	2111	1	300	300
UTILITY EXAMINATION FEE	2311	1	360	360
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**730**

Electronic Acknowledgement Receipt	
EFS ID:	28517509
Application Number:	15448064
International Application Number:	
Confirmation Number:	9817
Title of Invention:	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS
First Named Inventor/Applicant Name:	David Walker Harper
Customer Number:	31825
Filer:	Joseph Bernard Ryan
Filer Authorized By:	
Attorney Docket Number:	1018-2 CON7
Receipt Date:	02-MAR-2017
Filing Date:	
Time Stamp:	16:29:16
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$730
RAM confirmation Number	030317INTEFSW16324200
Deposit Account	500762
Authorized User	Lisa Vulpis
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (Patent application and reexamination processing fees)	

37 CFR 1.19 (Document supply fees)

37 CFR 1.20 (Post Issuance fees)

37 CFR 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		1018-2CON7_APP.pdf	199990 48a4d5d980d9949993c627a3f7a0fa75ab71ec4d	yes	31
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Abstract		31	31	
	Claims		27	30	
	Specification		1	26	
Warnings:					
Information:					
2	Drawings-only black and white line drawings	1018-2CON7_FIGS.pdf	4975373 f803025a53d5639da903eb26feffe8ee88ba2c21	no	48
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Form (SB08)	1018-2CON7_IDS1.pdf	2073399 9746caf127b4cd3db95e1cfc7057a1145600434a	no	19
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
4	Information Disclosure Statement (IDS) Form (SB08)	1018-2CON7_IDS2.pdf	1396235 134f44dd8f872cc99d56685d321cef7a04d63a34	no	7
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					

5	Information Disclosure Statement (IDS) Form (SB08)	1018-2CON7_IDS3.pdf	1365513 6a8b49fd6afa6d78a9edf4b29095b245712d96b0	no	7
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
6	Information Disclosure Statement (IDS) Form (SB08)	1018-2CON7_IDS4.pdf	1309872 757db7a945600b97a039af16f69cf045eb24d5ae	no	7
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
7	Information Disclosure Statement (IDS) Form (SB08)	1018-2CON7_IDS5.pdf	1412884 cc1868c3db628445e35b1ea0abb3f7d0c28985d0	no	7
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
8	Information Disclosure Statement (IDS) Form (SB08)	1018-2CON7_IDS6.pdf	1086926 fbcf92697e780128145e56dab389a3662efa4fbc	no	5
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
9	Oath or Declaration filed	1018-2CON5_DEC.pdf	253132 bf9efcdbe0b247704e5a6cbde1330bafe4889f97	no	3
Warnings:					
Information:					
10	Application Data Sheet	1018-2CON7_ADS.pdf	1769497 3350df1361f704c1e79b632fe3f3b84b22ebcbba	no	8
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					

11	Fee Worksheet (SB06)	fee-info.pdf	35200 ff680351a90caedbe8f44708a1a9de41ab1ad508	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	15878021	

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.

Abstract

A method comprises providing an interface permitting a first user to control activation of a mobile information channel through which the first user can share access to content with a plurality of additional users, activating the mobile information channel responsive to input received from the first user via the interface, inserting content provided by the first user into the mobile information channel, receiving additional content relating to the mobile information channel from one or more of said additional users via one or more respective mobile devices associated with at least one wireless network, inserting at least a portion of the additional content into the mobile information channel, and integrating into the mobile information channel information associated with at least one wireless networking functionality of said at least one wireless network.

Claims

What is claimed is:

1. A method comprising:

providing an interface permitting a first user to control activation of a mobile information channel through which the first user can share access to content with a plurality of additional users;

activating the mobile information channel responsive to input received from the first user via the interface;

inserting content provided by the first user into the mobile information channel;

receiving additional content relating to the mobile information channel from one or more of said additional users via one or more respective mobile devices associated with at least one wireless network;

inserting at least a portion of the additional content into the mobile information channel; and

integrating into the mobile information channel information associated with at least one wireless networking functionality of said at least one wireless network.

2. The method of claim 1 wherein the information associated with at least one wireless networking functionality of said at least one wireless network comprises location information of a given one of the mobile devices from which at least a portion of the additional content is received.

3. The method of claim 1 wherein integrating into the mobile information channel information associated with at least one wireless networking functionality of said at least one wireless network comprises:

obtaining location information of a given one of the mobile devices from which at least a portion of the additional content is received; and

inserting content into the mobile information channel based on the obtained location information.

4. The method of claim 1 wherein integrating into the mobile information channel information associated with at least one wireless networking functionality of said at least one wireless network comprises:

obtaining product-identifying information over said at least one wireless network; and

inserting content into the mobile information channel based on the obtained product-identifying information.

5. The method of claim 4 wherein inserting content into the mobile information channel based on the received product-identifying information comprises inserting information relating to at least one of product ordering and product purchase support.

6. The method of claim 1 wherein the information associated with at least one wireless networking functionality of said at least one wireless network comprises location-based service information.

7. The method of claim 1 wherein the information associated with at least one wireless networking functionality of said at least one wireless network comprises one or more messaging actions implementable over the wireless network.

8. The method of claim 1 wherein the information associated with at least one wireless networking functionality of said at least one wireless network comprises one or more collaboration actions implementable over the wireless network.

9. The method of claim 1 further comprising providing one or more content integration options to the first user and the plurality of additional users.

10. The method of claim 9 wherein the one or more content integration options are based in part on respective wireless networking functionalities available to the first user and the plurality of additional users.

11. The method of claim 1 wherein the additional content is associated with the mobile information channel via one or more user-activatable control mechanisms.

12. The method of claim 11 wherein the one or more user-activatable control mechanisms comprise a hyperlink.

13. The method of claim 1 wherein inserting at least a portion of the additional content into the mobile information channel comprises inserting advertising content into the mobile information channel along with said portion of the additional content.

14. The method of claim 1, wherein at least a portion of the additional content is obtained from a device-captured data source of the given user, the device-captured data source comprising a source of at least one of device-captured video data, device-captured audio data and device-captured location coordinates.

15. The method of claim 1 wherein the mobile information channel comprises a collaborative workspace.

16. The method of claim 1 further comprising permitting the first user to establish a title for the mobile information channel.

17. A non-transitory computer-readable storage medium having embodied therein executable code of one or more software programs for use in managing information content in a network-based communication system, wherein said executable program code when executed by a processing element of the communication system implements the steps of the method of claim 1.

18. An apparatus comprising:

a processing element comprising a processor coupled to a memory;

the processing element providing at least a portion of an interface permitting a first user to control activation of a mobile information channel through which the first user can share access to content with a plurality of additional users;

the processing element being configured to:

activate the mobile information channel responsive to input received from the first user via the interface;

insert content provided by the first user into the mobile information channel;

receive additional content relating to the mobile information channel from one or more of said additional users via one or more respective mobile devices associated with at least one wireless network;

insert at least a portion of the additional content into the mobile information channel; and

integrate into the mobile information channel information associated with at least one wireless networking functionality of said at least one wireless network.

19. The apparatus of claim 18 wherein the processing element comprises at least one server accessible over the Internet via a network interface.

20. A network-based communication system, comprising:

a plurality of servers configured to communicate over a network;

at least one of the servers providing at least a portion of an interface permitting a first user to control activation of a mobile information channel through which the first user can share access to content with a plurality of additional users;

wherein said at least one server is configured to:

activate the mobile information channel responsive to input received from the first user via the interface;

insert content provided by the first user into the mobile information channel;

receive additional content relating to the mobile information channel from one or more of said additional users via one or more respective mobile devices associated with at least one wireless network;

insert at least a portion of the additional content into the mobile information channel; and

integrate into the mobile information channel information associated with at least one wireless networking functionality of said at least one wireless network.

METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS

Related Application(s)

The present application is continuation of U.S. Patent Application Serial No. 14/324,698 filed July 7, 2014, which is a continuation of U.S. Patent Application Serial No. 14/175,768 filed February 7, 2014 and now issued as U.S. Patent No. 8,825,801, which is a continuation of U.S. Patent Application Serial No. 13/364,950 filed February 2, 2012 and now issued as U.S. Patent No. 8,793,336, which is a continuation of U.S. Patent Application Serial No. 13/027,519 filed February 15, 2011 and now issued as U.S. Patent No. 8,135,801, which is a continuation of U.S. Patent Application Serial No. 12/548,928 filed August 27, 2009 and now issued as U.S. Patent No. 7,908,342, which is a continuation of U.S. Patent Application Serial No. 10/464,526 filed June 18, 2003 and now issued as U.S. Patent No. 7,599,983, which claims the priority of U.S. Provisional Application Serial No. 60/389,430 filed June 18, 2002, the disclosures of which are hereby incorporated by reference herein.

Field of the Invention

The present invention relates generally to network-based communication systems, and more particularly to techniques for information content management in such systems.

Background of the Invention

One of the most rapidly expanding aspects of wireless networking involves the accessing of information content over wireless networks via web-enabled mobile devices. Examples of such devices include mobile telephones, personal digital assistants (PDAs), palmtop computers, etc. As is well-known, these and other web-enabled devices not only provide access to the Internet, but can also be used to support other types of wireless networking functionality, such as messaging, distributed collaboration, and location-based services.

An important challenge in this context relates to facilitating the process of creating, publishing, distributing or otherwise managing information content so as to provide optimal presentation consistent with the limited display space and navigational capabilities of typical mobile devices. Many users, for example, may wish to make specific personalized information content available via mobile devices to their friends, colleagues, subscribers or

other entities. However, conventional techniques have been unable to meet this need in a satisfactory manner. By way of example, conventional techniques such as web site authoring tools and web logging ("blogging") are not optimized for use in the generation of information content for shared access via mobile devices.

These and other conventional techniques suffer from a number of significant drawbacks, including a failure to provide suitable integration of messaging, collaboration, location-based services or other wireless networking functionality with the generation of shared information content. As a result, it is generally not possible for different mobile device users to link to and take further action on a persistent version of a given set of shared information content. The conventional techniques thus fail to provide a mechanism that facilitates uniform, action-driven content access and associated user interaction via wireless networks. Also, such techniques generally require a significant amount of programming knowledge for their proper use, and are therefore not suitable for relatively unsophisticated users.

Accordingly, a need exists for improved techniques for managing information content in a manner that overcomes one or more of the drawbacks of the conventional techniques described above.

Summary of the Invention

The present invention in an illustrative embodiment thereof provides techniques for efficient generation and management of mobile sites that are advantageously integrated with wireless networking functionality of a wireless network in a network-based communication system.

In accordance with one aspect of the invention, a method comprises providing an interface permitting a first user to control activation of a mobile information channel through which the first user can share access to content with a plurality of additional users, activating the mobile information channel responsive to input received from the first user via the interface, inserting content provided by the first user into the mobile information channel, receiving additional content relating to the mobile information channel from one or more of said additional users via one or more respective mobile devices associated with at least one wireless network, inserting at least a portion of the additional content into the mobile information channel, and integrating into the mobile information channel information

associated with at least one wireless networking functionality of said at least one wireless network.

In accordance with another aspect of the invention, an apparatus comprises a processing element comprising a processor coupled to a memory. The processing element provides at least a portion of an interface permitting a first user to control activation of a mobile information channel through which the first user can share access to content with a plurality of additional users. The processing element is configured to activate the mobile information channel responsive to input received from the first user via the interface, insert content provided by the first user into the mobile information channel, receive additional content relating to the mobile information channel from one or more of said additional users via one or more respective mobile devices associated with at least one wireless network, insert at least a portion of the additional content into the mobile information channel, and integrate into the mobile information channel information associated with at least one wireless networking functionality of said at least one wireless network.

In accordance with another aspect of the invention, a network-based communication system comprises a plurality of servers configured to communicate over a network. At least one of the servers provides at least a portion of an interface permitting a first user to control activation of a mobile information channel through which the first user can share access to content with a plurality of additional users. Said at least one server is configured to activate the mobile information channel responsive to input received from the first user via the interface, insert content provided by the first user into the mobile information channel, receive additional content relating to the mobile information channel from one or more of said additional users via one or more respective mobile devices associated with at least one wireless network, insert at least a portion of the additional content into the mobile information channel, and integrate into the mobile information channel information associated with at least one wireless networking functionality of said at least one wireless network.

Brief Description of the Drawings

FIG. 1A is a block diagram of an example network-based communication system configured in accordance with an illustrative embodiment of the invention.

FIG. 1B is a block diagram showing one possible implementation of a given processing element in the system of FIG. 1A.

FIG. 1C shows a block diagram of one possible arrangement of system elements associated with the system of FIG. 1A.

FIG. 1D shows a schematic diagram of home page of a content management site in the system of FIG. 1A.

FIGS. 2 and 3 show additional schematic diagrams of site pages associated with a content management site in the system of FIG. 1A.

FIGS. 4 and 5 show schematic diagrams of site pages associated with a mobile site in the system of FIG. 1A.

FIGS. 6 through 17b are screenshots of illustrative site pages associated with a content management site in the system of FIG. 1A.

FIG. 18 shows an example mobile device suitable for use in the system of FIG. 1A.

FIG. 19 is an exemplary operational flow diagram of a registration process in accordance with the invention.

FIG. 20 is an exemplary operational flow diagram of a login process in accordance with the invention.

FIG. 21 is an exemplary operational flow diagram of a mobile site creation process in accordance with the invention.

FIG. 22 is an exemplary operational flow diagram of a mobile site content authoring process in accordance with the invention.

FIG. 23 is an exemplary operational flow diagram of a directory process in accordance with the invention.

FIGS. 24a through 25o show typical illustrative examples of mobile site screens generated at a mobile device in the system of FIG. 1A.

Detailed Description

The present invention will be illustrated herein in the context of an exemplary network-based communication system and associated system elements and processes. It is to be appreciated, however, that the particular arrangements shown and described herein are presented by way of illustrative example only, and should therefore not be construed as limiting the scope of the present invention to any particular embodiment or group of embodiments. Those skilled in the art will recognize that the described techniques are more generally applicable to any wireless communication application in which it is desirable to

provide improved integration of information content management with wireless network functionality.

FIG. 1A shows an example network-based communication system 10 configured in accordance with an illustrative embodiment of the invention. The system 10 includes a wireless network 12 coupled to the Internet 14, a set of mobile devices 15, a set of servers 16 and a set of user terminals 18. More specifically, mobile devices 15-1, . . . 15-*n* are coupled to the wireless network 12, while servers 16-1, . . . 16-*k* and user terminals 18-1, . . . 18-*r* are coupled to the Internet 14. The numbers *n*, *k*, and *r* are purely arbitrary, provided for simplicity and clarity of illustration only, and in a given implementation of this illustrative embodiment can take on any desired value. Also, alternative embodiments of the invention need not include the particular system elements shown, and may include other elements of a type and configuration known to those skilled in the art, in place of or in addition to the particular elements shown.

The mobile devices 15 and user terminals 18 may be more generally referred to herein as user devices.

The term "user" is intended to include, without limitation, an individual, a group of individuals, a business, an organization, or any other entity capable of deriving benefit from use of at least a portion of the system 10. Actions described herein as being performed by or otherwise associated with a user may be performed by or otherwise associated with an individual or other entity, a corresponding device, or both the entity and the device.

The network configuration of system 10 illustratively comprises wireless network 12 and Internet 14. However, the invention does not require this particular network arrangement. A network suitable for use with the invention may include any type of data communication network, including the Internet, an intranet, an extranet, a wide area network (WAN), a metropolitan area network (MAN), a wired local area network (LAN), an IEEE 802.11 or Wi-Fi wireless LAN, a satellite communications network, a virtual private network (VPN), a public switched telephone network (PSTN), a cellular network based on third generation (3G) wideband code division multiple access (CDMA) or other standard, as well as portions or combinations of these and other networks.

It is also to be appreciated that the invention is not limited with regard to the particular communication protocols that may be utilized in communicating information within the system 10 of FIG. 1A. Examples of communication protocols utilizable in conjunction with the invention include Internet protocol (IP), transmission control protocol

(TCP), user datagram protocol (UDP), real-time protocol (RTP), short message service (SMS), multimedia message service (MMS), wireless application protocol (WAP), session initiation protocol (SIP), etc.

The mobile devices 15 can collectively comprise a wide variety of different devices configurable for communication over the network 12. The term "mobile device" as used herein is intended to include, without limitation, any type of portable information processing device capable of being configured for communication over a network. Examples of mobile devices 15 utilizable in system 10 of FIG. 1A include a mobile telephone, a personal digital assistant (PDA), a palmtop computer, a hand-held computer, a laptop computer, a tablet computer, a global positioning system (GPS) receiver or other GPS-based navigational device, an MP3 player or other type of audio player, a pager, a watch or other timepiece, a camera, a portable game player, etc.

The servers 16 may comprise, by way of example, network computers or other types of computers or processing elements capable of being configured for the maintenance, storage, delivery or other processing of information received or deliverable over the Internet or other type of network.

Although not specifically denoted as such in the figure, one or more of the user terminals 18 may each comprise a mobile device. Also, a given one of the user terminals 18 may comprise a non-mobile device, including, by way of example, a desktop personal computer, a workstation, a minicomputer, a mainframe computer, a television, a set-top box, a kiosk, etc.

FIG. 1B shows one possible implementation of an information processing element 20 of the system 10. The processing element 20 may be viewed as being representative of a given one of the mobile devices 15, a given one of the servers 16, or a given one of the user terminals 18. The processing element 20 in this implementation includes a processor 22, a memory 24, and a network interface 25, which communicate with one another over a set of bus lines 26. The processor 22 may comprise, for example, a microprocessor, a central processing unit (CPU), an application-specific integrated circuit (ASIC), a computer, or any other type of digital data processing device, as well as portions or combinations of such devices. The memory 24 may comprise electronic memory such as random access memory (RAM), read-only memory (ROM), disk-based memory, or any other type of storage device, as well as portions or combinations of such devices. The network interface 25 provides an interface for the processing element 20 to the wireless network 12 or Internet 14.

The memory 24 of processing element 20 stores one or more software programs which are executed by the processor 22 in providing at least a portion of the system functionality described herein as being associated with the corresponding mobile device, server or user terminal. One skilled in the art would understand that memory 24 is an example of a computer-readable storage medium.

In accordance with one aspect of the invention, the system 10 in the illustrative embodiment provides at least one content management site accessible to a system user. The user may be a user associated with one of the mobile devices 15, or any other system user. The content management site may be supported by one or more of the servers 16, and may be accessed by the user over Internet 14 via one of the user terminals 18. The content management site permits the user to enter information in accordance with a specified format comprising a plurality of selectable mobile information channels each corresponding to an information category. The mobile information channels are also referred to as "M-channels" herein, and will be described in greater detail below. The entered information is processed to generate a mobile web site comprising information content that is accessible via one or more of the mobile devices 15 over the wireless network 12 of the system 10. The information content of the mobile site is preferably configured such that a persistent version thereof is accessible via the one or more mobile devices 15 over the wireless network 12.

The content management site can also be accessed via one of the mobile devices 15, and used to create a mobile site also accessible via that mobile device and one or more other mobile devices.

The system 10 can support any desired number of content management sites and any desired number of mobile sites that are generated and managed via the content management sites. For example, a given content management site can be associated with a particular business or other entity, and can be used to generate a plurality of mobile sites for various users associated with that business or other entity. An operator of the content management site can offer mobile site building and other content management services to such entities for a fee. The operator may also provide customization services, so that a given entity can create mobile sites that bear corresponding corporate trademarks, logos or other symbols, or that are customized in other ways.

In the illustrative embodiment, the content management sites and the mobile sites may each be implemented as a corresponding web site accessible over the Internet 14, although this is not a requirement of the invention. Other embodiments may implement one or more of

the content management sites or one or more of the mobile sites as intranet sites, extranet sites or other information sources accessible via these or other types of networks.

Advantageously, the information content of a given mobile site generated in the system 10 may be configured so as to integrate therewith information associated with at least one wireless networking functionality of the wireless network 12. This information may be determinable based at least in part on one or more parameters associated with the above-noted mobile information channels or M-channels. Examples of such information include information specifying at least one messaging action implementable over the wireless network, information specifying at least one collaboration action implementable over the wireless network, and information specifying at least one location-based service action implementable over the wireless network. Other types of information associated with wireless networking functionalities may also or alternatively be used.

Accessibility to a given mobile site may be controlled so as to permit one or more third parties to view at least a portion of the mobile site without any such parties being registered users of the content management or mobile site portions of the system.

A given content management site may be provided, for example, by a service provider or other entity operating the wireless network 12, and a user thereof may be a subscriber of that entity. More particularly, the content management site may include identifying information indicating association of the site with the entity operating the wireless network, and may be made accessible only to subscribers of the wireless network.

As another example, a given content management site used for generation and management of a mobile site may be provided to the user contingent upon purchase of specified goods or services associated with the wireless network 12.

Numerous other content management site configurations may be used in implementing the invention.

A given mobile site in accordance with the invention can be generated for a group comprising multiple members having a common interest. For example, a mobile site may be generated for a family, a group of friends, a club, a sports team, a business, a sales force, a civic group, a fan group, a political party, a campaign, a charity, or any other type of multi-member organization. Such a site may be used for efficient dissemination of relevant information to group members via the wireless network 12. For example, the site can be used to generate messages, using instant messaging (IM), SMS, MMS, pages, emails, voice-over-IP (VoIP) calls, cellular telephone calls, or any other suitable messaging format, that are sent

to organization members over the wireless network. Such a message from a given member of the organization can direct other members to access the mobile site to obtain additional information regarding events, news, cancellations, reschedulings, updates, polls, special requests, etc. Organization members can easily and efficiently post information and generate messages to other members so as to facilitate collaboration and other types of interaction.

A given mobile site, also by way of example, may be associated with an event, and information identifying the event and its associated mobile site may be transmitted via the wireless network 12 to mobile devices of one or more users that are determined to be likely to have an interest in the subject matter of the event. The event may be a movie, a concert, a sporting event, a political rally, a contest, a promotion, particular goods or services being offered for sale by a vendor at certain prices or on certain conditions, etc. Such interested users may be determined, for example, by comparing generalized demographic data associated with the event with personal demographic data previously stored for the system users, or utilizing other marketing data based techniques. A mobile site of this type is especially useful for implementing follow-up marketing actions, user registration, etc.

As another example, a given mobile site may be associated with a particular geographic location. More specifically, the given mobile site may be generated for a "waypoint" specified by particular latitude and longitude coordinates representing a geographic location utilized in the activity of geocaching, or other location-based activity. In generating such a mobile site utilizing the techniques of the invention, a user could enter information such as a title, a location specified by latitude, longitude, elevation, or other location-identifying information, a difficulty level, a terrain quality, one or more hints, a map, or other types of information. Along with typical items found in a conventional geocache, such as trinkets and a log, a password could be included that provides access to a corresponding mobile site which can be utilized by other users to validate that they have found the geocache. Contests or promotions could also be organized to provide specified rewards to a first user to reach a given geocache. The first user to reach the geocache can be identified by determining the first user to log into the geocache mobile site using the appropriate password. Visitors to the mobile site may be provided with an ability to leave a note or other message describing aspects of their journey, what items they took from the geocache, what items they placed in the geocache, etc. Mobile sites corresponding to geocaches may be searched for by zip code, state, country, keyword, waypoints, GPS coordinates, etc. A mobile device with built-in GPS capability may be used to facilitate

interaction with mobile sites corresponding to geocaches or other geographic locations. Mobile sites corresponding to these and other geographic locations can be accessed, for instance, using a GPS-based automotive navigation device, or other types of user devices.

As an additional example, a given mobile site may be associated with a game. More specifically, a mobile site may be generated for a game and accessed from a web-enabled gaming device or other type of user device. The mobile site could provide information such as tips, tricks, player profiles, and player locations, and could also be used to support collaboration or other types of communication between players. Players may also be permitted to access the mobile site from non-gaming user devices, to participate in game-related activities that could lead to increasing their health points, skill level, number of lives, hit points, magic level, equipment, apparatus, gear, etc.

As a further example, a given mobile site may be associated with a user of IM, SMS, MMS, email or other type of messaging service. More specifically, a mobile site may be generated for a particular user so that other users exchanging messages with the particular user are provided with access to persistent information content that facilitates their interaction with the particular user. Such an arrangement is particularly useful as the volume of wireless "spam" is continually increasing and users require an "island in the storm" at which they can interact in a controlled, private collaborative workspace. Additionally, when a user accesses an email or other type of message using a mobile device, that user can be directed to a mobile site for follow-up marketing actions or other activities.

As another example, a given mobile site may be associated with a television program, movie, music artist or other entertainment-related entity. More specifically, a mobile site may be generated for a broadcast program and accessed by a user from a set-top box while the user is watching that program. Interaction activities involving provided content could then take place between viewers, the network, and advertisers.

As yet another example, a given mobile site may be associated with a particular product via product name, bar code, radio frequency identification (RFID), or other type of product-identifying information. Such a mobile site could be configured to provide, for its associated product, additional information of interest to product users, customer service access, ordering or purchase support, etc.

Of course, the foregoing are merely examples of mobile sites that may be generated and managed using the techniques of the invention. Numerous other types of mobile sites may be used in implementing the present invention.

The term "mobile site" as used herein is intended to include, without limitation, a web site, a collaborative workspace, a data mailbox, a collaborative community, an Internet storefront, one or more M-channels and/or an associated data set, or other similar element(s), as well as portions or combinations thereof.

The above-noted M-channels will now be described in greater detail. As mentioned previously, M-channels are utilized at the content management site of the illustrative embodiment to facilitate the generation of mobile sites and the management of associated content. More specifically, the M-channels allow unsophisticated users to easily and efficiently author message data or other types of information content to be made accessible via a collaborative workspace, a data mailbox, a collaborative community, or other type of mobile site or portion thereof generated or otherwise managed in the system 10. Features such as task, action, event, location, delivery or collaborative enabling of specified M-channel content may be specified along with access methods, automatic generation of wirelessly accessible navigation menus, content presentation views, etc.

The particular configuration of the M-channels, and the content integration options associated therewith, may vary from implementation to implementation depending upon factors such as the particular wireless networking functionalities available in the system.

Examples of M-channels suitable for use in the illustrative embodiment include channels denoted herein as mobile ID/business card (also referred to as a "contact" M-channel), announcements, chat, events, guest book, diary/journal, bookmarks/links, discussion forum, survey/poll, newsletter/zine, notes, email, address book, contribute/donate, mobile volunteer management, company directory, in/out board, field reports, feedback, form builder, live data/in-out syndication, mobile document library, products catalog/shopping cart, services catalog/shopping cart, appointments, task list/assignments, promotions, offers, coupons, sweepstakes, contests, photo blog, etc. Numerous other information categories may be represented by corresponding mobile information channels at a content management site in accordance with the invention.

The notation "/" as used herein should be understood to refer to "and/or" unless otherwise indicated.

Additional details regarding the operation of exemplary M-channels in accordance with the invention will be described below in conjunction with certain of the site pages of FIGS. 2 through 17, as well as in conjunction with the operational flow diagrams of FIGS. 21 and 22.

As indicated previously, the content management aspects of the system 10 can be implemented at least in part utilizing software associated with processing elements of the system. A more particular example of one possible arrangement of such elements will now be described in conjunction with FIG. 1C. Of course, this is simply one possible arrangement, and a wide variety of other arrangements suitable for implementing the techniques of the invention will be readily apparent to those skilled in the art.

Referring now to FIG. 1C, a set of processing elements 30 in the system 10 includes a plurality of "suites," each suite comprising a particular arrangement of hardware, software and/or firmware elements implemented using one or more of the mobile devices 15, servers 16 and user terminals 18 of the system 10. More specifically, the set of processing elements 30 comprises a display suite 32 associated with a display server 33, a management and processing suite 34 associated with an interaction server 35, a data integration suite 36 associated with a data integration server 37, and a services integration suite 38 associated with a services integration server 39. Each of the servers 33, 35, 37 and 39 may comprise one or more of the servers 16 or other elements shown in FIG. 1A, or suitable portions or combinations thereof.

Communications between the suites 32, 34, 36 and 38 may be carried out using conventional connections established over wireless network 12 or Internet 14, or using other communication channels or transport media of a type known in the art.

In the display suite 32, a number of example user devices, including mobile phone 40, smart phone 41, pocket PC 42, Palm device 43, iMode phone 44, personal computer 45, set-top box 46, game and/or camera 47 and other wireless devices 48, interact with the display server 33. The display server 33 interacts with elements of one or more of the other suites in controlling the presentation of particular screens on the various user devices. Certain of the user devices in suite 32 may be viewed as representative examples of mobile devices 15, while others may be viewed as representative examples of user terminals 18.

The management and processing suite 34 includes a management and M-channel engine 50, a personalization and rules engine 51, an authoring and publishing engine 52, a presentation engine 53, and a distribution, delivery and service engine 54. The interaction server 35 controls the interface between these engines and the display server 33 of the display suite 32. The management and processing suite 34 in this example provides the above-noted content management site(s) utilized to generate and otherwise manage mobile sites in accordance with the techniques of the invention.

The data integration suite 36 includes extensible markup language (XML) and/or rich site summary (RSS) feeds 60, database and/or file 61, syndication services 62, device-captured data 63, web services 64, and other data sources 65. The data integration server 37 controls the interface between these data sources and the interaction server 35 of the management and processing suite 34.

Other XML-related protocols that may be utilized in conjunction with the invention include, for example, remote procedure call (RPC), outline processor markup language (OPML), and simple object access protocol (SOAP).

The services integration suite 38 includes an MMS center 70, an SMS center 71, email systems 72, billing systems 73, voice systems 74, and other systems 75, each of which may be viewed as representative of a particular type of wireless networking functionality accessible to the mobile devices 15 via the wireless network 12. The services integration server 39 controls the integration of information associated with these wireless networking functionalities with the content of the mobile site generated via the content management site.

FIG. 1D shows a home page of an example content management site in the illustrative embodiment of the invention. The example content management site in the context of the illustrative embodiment comprises an Internet web site used to generate and otherwise manage mobile sites. A given one of the mobile sites may be referred to herein as a "Winksite," where "Wink" may be viewed generally as a shortened form of the term "wireless ink," reflecting the wireless content management aspects of the invention.

It is to be appreciated that certain aspects of the content management site may be made accessible via one or more of the mobile sites and vice-versa. The notation "Winksite" may therefore also be used to denote a content management site or portion thereof, or a hybrid site comprising aspects of both a content management site and one or more mobile sites.

Additional schematic diagrams of web pages associated with the example content management site or a corresponding mobile site will be described in conjunction with FIGS. 2 through 5. Related screenshots of the web pages associated with the content management site will be described with reference to FIGS. 6 through 17. It should again be emphasized, however, that the arrangements shown are presented by way of illustrative example, and should therefore not be construed as limiting the scope of the invention in any way.

The content management site may be viewed as being part of a mobile communications publishing platform provided by the system 10 of FIG. 1A. This platform

integrates aspects of wireless network functionality with mobile site content generation, thereby facilitating user interaction via the mobile devices 15. The content management site in the illustrative embodiment is designed to generate and otherwise manage dynamic, time-sensitive, task-oriented mobile sites, including wireless collaborative workspaces and communities. The content management site allows content such as data, media, multimedia, messages, news, features, events, polls, competitions and advertising to be rapidly created, entered into the system, and then subsequently syndicated, distributed, shared, collaborated with or acted upon by users of mobile devices.

By utilizing the content management site, system users can create one or more personal or business mobile sites with various sets of features, and then share such sites via the mobile Internet or other wireless network with friends, family, colleagues, or other groups of any type. The content management site makes it simple for unsophisticated users to upload, enter, create, syndicate, distribute or otherwise manage content that is important to them, in a manner that allows such content to be accessed, shared, and acted upon from a mobile device.

Referring now to FIG. 1D, a home page 100 of the content management site provides a user interface comprising a series of display regions denoted by blocks 102 through 142, each associated with a corresponding user-activatable control mechanism. These control mechanisms may be implemented as a plurality of hypertext links, each of which, when activated, instantiates a subordinate user interface comprising one or more other pages of data associated with the content management site. The home page 100 and other pages referred to herein may be configured using hypertext markup language (HTML), XML, or other any suitable web page formatting language, as well as combinations of such languages.

Access to the home page 100 may be provided to all system users, regardless of whether or not those users have previously registered with the system. A given user accesses the home page 100 by entering a corresponding uniform resource locator (URL) in a web browser of their associated user device. Although not specifically shown in the figure, introductory, instructional or other explanatory text, as well as graphics and various forms of advertising, including so-called click-through or banner advertising, may be included on the home page 100.

A registration process is preferably provided in order to allow users to establish an account with the system. Such a process can be initiated by activation of the hyperlink associated with block 104. Previously-registered users can login to their accounts by

activating the hyperlink associated with block 102. Details of the registration and login processes associated with respective blocks 104 and 102 will be described below in conjunction with the respective flow diagrams of FIGS. 19 and 20.

Access to certain system features associated with certain blocks, such as blocks 108 through 124, may be limited to registered users. Registered users may also be referred to herein as "members."

The text and graphics of the home page 100, although initially the same for both registered and unregistered users, may be periodically updated or otherwise customized to display account information or other information that is unique to a registered user, upon login of such a user.

Block 106 in FIG. 1D represents a display region containing a link to an optional logoff process. The logoff process enables a registered user who has previously logged in to activate a control so as to redirect his or her browser to the non-customized version of home page 100. This feature is useful, for example, in a situation in which multiple users share the same personal computer or other terminal. More specifically, a given registered user who has logged in may, without turning off the computer or closing its Internet connection, and even without closing the browser or pointing it to another URL, conceal and prevent further access to his or her account information while also enabling another registered or unregistered user to access the home page 100.

FIG. 2 shows a start page 200 of the example content management site in the illustrative embodiment of the invention. The start page 200 provides a user interface comprising a series of display regions denoted by blocks 202 through 242, each associated with a corresponding user-activatable hypertext link or other control mechanism. The start page 200 may be accessed, for example, by activating the link associated with block 108 of FIG. 1D.

FIG. 3 shows a main menu page 300 of the example content management site in the illustrative embodiment of the invention. The main menu page 300 provides a user interface comprising a series of display regions denoted by blocks 302 through 344, each associated with a corresponding user-activatable hypertext link or other control mechanism. The main menu page 300 may be accessed, for example, by activating the link associated with block 222 of FIG. 2.

An example of a preference feature that may be made available only to registered users is an address book feature. This feature can be accessed by activating the link

associated with block 320 in FIG. 3. Such a feature allows the names, email addresses, mobile telephone numbers and other contact information of potential message recipients to be recorded and then easily selected when a message is to be sent.

A given registered user may be permitted to elect to share his or her address book information, or other types of user information, with other users. Such sharing can be implemented by activating a link (not shown) to a page where the user may provide identifying information about the other individual(s) with whom he or she proposes to share information. The site software may be configured such that, if any of the other individuals are registered users, an email message is sent to those individuals. The email message may contain a link to the URL of a page at which the individuals will be given the option of accepting or declining the information sharing proposal.

If any of the other individuals are not registered users, then an attempt may be made to obtain an email address for each of those other non-registered users. For any such non-registered users for which an email address is obtained, an email message may be sent containing a link, along with appropriate explanatory text, to the site registration process to be described in conjunction with FIG. 19. After completing the registration process, the individual will be given the option of accepting or declining the information sharing proposal.

A given registered user may also be permitted to designate one or more other users selected, for example, from among those listed in a directory or contact list, with whom the given user would like to interact. Any such other users may be notified in the manner indicated above and provided with an opportunity to accept or deny the proposed interaction.

Another preference feature that may be provided to registered users is an ability to designate one or more of the mobile sites available in the directory of the content management site as “favorite” mobile sites. This can substantially reduce the number of screens or pages that need be reviewed in order to select a particular mobile site to visit. However, it should be understood that registered users who have designated certain mobile sites as favorite mobile sites are not thereafter limited to making their selections only from among those favorites. Each such user may still choose to review and select from all of the available mobile sites within the directory.

Yet another preference feature that may be made available to registered users is an ability to post one or more messages on a “community bulletin board” that is accessible to both registered and non-registered users. This feature allows non-registered users to become

aware of the messages posted by registered users, thereby encouraging further registrations and increasing use of the site.

Registered users may also be permitted to track the activity of their associated mobile sites by creating, selecting or otherwise designating an avatar whose health, personality, responses, behavior or other characteristics reflects in some manner the level of activity associated with the sites. Such an avatar may be used to provide an "at a glance" representation of the popularity, usage, traffic patterns or other characteristic(s) of a corresponding mobile site.

It is also possible to provide different levels of service for different registered users. For example, certain registered users may be permitted to elect to upgrade their registration to one or more "preferred" levels of service. The various levels of service may be designated using different colors or other sets of designations, such as "copper," "silver," "gold" and "platinum," or "individual," "individual plus," "business" and "business plus." As their registration level increases, the corresponding registered users will receive additional benefits, such as increased storage space, bandwidth or publishing features and options.

A variety of other techniques may be used to encourage user registration. For example, demographic data or other types of marketing data may be used to identify particular groups likely to benefit from registration, and particular mobile sites can be pre-created and made available to such groups on a trial basis, upon registration, or upon satisfaction of other conditions. The mobile site addresses for all of the members of each group will preferably reflect in some common way one or more unique characteristics of the group.

Referring now to FIGS. 4 and 5, these figures show a mobile site home (M-home) page 400 and a Winksite page 500, respectively, of an example mobile site in the illustrative embodiment of the invention. The pages 400 and 500 provide user interfaces comprising series of display regions denoted by blocks 402 through 432, and 502 through 544, respectively, with each of the blocks being associated with a corresponding user-activatable hypertext link or other control mechanism. The mobile site home page 400 may be accessed, for example, by entering a corresponding URL of the mobile site into a browser at one of the mobile devices 15. The Winksite page 500 may be accessed, for example, by activating the link associated with block 402 of FIG. 4 and completing an associated login process.

As noted above, FIGS. 6 through 17 are screenshots of illustrative site pages associated with a content management site in the system of FIG. 1A. These screenshots will now be described in greater detail.

With reference to FIG. 6, an example of a home page of the content management site is shown. This home page screenshot may be viewed as corresponding generally to the home page 100 schematically shown in FIG. 1D. The home page in this example includes, among other elements, elements 602 through 658 arranged as shown. A web site logo 602 can be included, along with site branding and promotional copy 638, associated with an entity providing the content management site. A login section includes fields 604 and 606 for entering respective user name and password information, along with a "Start in" selector 608 and a login button 610. The home page further includes links 612, 614, 618, 622, 624, 630, 632, 634, 636, 646, 648, 650, 652, 654, 656, 658 and 660, banner advertisements 620, explanatory text 640, a feedback entry field 642, and a user information submission field 644.

FIG. 7 shows an example of a start page of the content management site. This start page screenshot may be viewed as corresponding generally to the start page 200 schematically shown in FIG. 2. The start page in this example includes, among other elements, a logout link 700, user account information 702, account settings links 704, information 706 specifying the mobile sites associated with that user, and a link 708 allowing the user to build a new mobile site.

A given registered user, after initial registration, may access his or her registration information directly, on an as-needed basis, in order to make changes therein as appropriate. For example, a registered user may wish to change his or her password or username, or to provide updated address or contact information. The account information link in the set of account setting links 704 instantiates a subordinate user interface comprising a site page that may be configured as shown in FIG. 14. Other links in the set of account setting links 704 similarly provide access to pages allowing entry or revision of information associated with a user M-card, profile, interests, offers, etc.

FIG. 8 shows an example of a main menu page of the content management site for managing a given mobile site associated with a system user. This main menu page screenshot may be viewed as corresponding generally to the main menu page 300 schematically shown in FIG. 3. The main menu page in this example includes information 802 identifying user account information and the particular mobile sites associated with that user, page

navigational links 804, mobile site information 806 associated with a selected one of the mobile sites associated with the user, M-channel information 808, and a delete site field 810.

FIGS. 9A and 9B show example M-channel pages of the content management site. These pages correspond generally to particular ones of the M-channels identified in M-channel information 808 of a selected mobile site in FIG. 8.

With reference initially to FIG. 9A, the page as shown corresponds to an M-channel for which the user has not yet entered any content. The page includes a button 900 which permits a user to add an item of content to the M-channel, and explanatory text 902 which indicates that the user currently has no content in the channel, and describes the manner in which the user can add content items to the channel.

FIG. 9B shows a page for which the user has added an item of content. The page includes information 904 specifying, among other things, the title or name of the content item, the date and time of its posting to the site, and its status. If the item has a "published" status, the corresponding content is visible to users visiting the associated mobile site. If the item has an "unpublished" status, the corresponding content is not visible to users visiting the associated mobile site.

FIG. 10 shows an example page for use in adding content to a given one of the M-channels. This page may be accessed, for example, upon activation of the add button 900 in the M-channel page of FIG. 9A.

The content management site of the system 10 in the illustrative embodiment thus allows a user to manage content for access via the mobile devices 15 by interaction with one or more specified M-channels. As indicated above, a user selects a particular M-channel by activating the corresponding link 808 in FIG. 8. This action instantiates a subordinate user interface to the selected M-Channel, represented by the page shown in FIG. 9A. The user then activates the add button 900 of FIG. 9A, which instantiates a subordinate user interface to an authoring wizard associated with that M-channel, represented by the page shown in FIG. 10.

FIG. 11 shows an example page for use in managing a contact list associated with one or more of the M-channels. This page may be accessed, for example, from the main menu page 300.

FIG. 12 shows an example page for use in adding a new contact to the contact list of FIG. 11. This page may be accessed, for example, by activating an "add an item" button in the page of FIG. 11.

FIG. 13 shows an example page for use in creating a new mobile site. This page may be accessed, for example, by activating the "build new site" link 708 in the start page of FIG. 7. The mobile site creation page includes fields allowing a user to name the mobile site, to specify a URL for the mobile site, and to enter a description of the mobile site.

FIG. 14 shows an example page for use in establishing or updating a user account with the system. This page may be accessed, for example, as part of a registration process initiated by activating the link associated with block 104 in FIG. 1D, or by activating the link associated with block 228 of the start page in FIG. 2.

FIG. 15 shows an example page of member list results generated by performing a search in the member directory of the content management site. The directory may be accessed, for example, by activating the link associated with block 110 in FIG. 1D or the link associated with block 208 in FIG. 2.

FIG. 16 shows an example page for automated response management. This page may be accessed, for example, from the main menu page 300.

FIGS. 17A and 17B show example pages corresponding to a user identification card or business card, also referred to herein as an M-card, or part of a contact M-channel. Such pages may be accessed, for example, by activating links associated with blocks 218 in FIG. 2 or 528 in FIG. 5.

Exemplary mobile site pages will now be described in greater detail with reference to FIGS. 18, 24 and 25.

FIG. 18 shows an example mobile device 15-1 suitable for use in the system of FIG. 1A. The mobile device 15-1 in this example is in the form of a web-enabled mobile telephone, but as indicated previously herein, the invention does not require the use of any particular type or configuration of mobile device. The mobile device 15-1 as shown in FIG. 18 includes a display screen 1800 on which an example screenshot associated with a mobile site main menu page is shown. This screenshot may correspond, for example, to a portion of the page 400 previously described in conjunction with FIG. 4. Additional example screenshots that may be viewed as being generally associated with the mobile site main menu page 400 or the mobile site page 500 are shown in FIGS. 24A-24G and FIGS. 25A-25O.

The operation of certain aspects of the system 10 of FIG. 1A will now be described with reference to the flow diagrams of FIGS. 19 through 23.

FIG. 19 shows an example registration process (R) accessible via the content management site. A user enters the registration process at step 1900, and is prompted to

create a user name and password in step 1902, to provide account information that includes a variety of personal information such as first name, last name, date of birth and gender in step 1904, to provide mobile phone information in step 1906, and to provide a variety of location information such as zip code, state, country and time zone in step 1908. The entered information establishes a personal profile for the user, and is stored in a memory or other storage device associated with the content management site.

In step 1910, the user reviews legal information pertaining to the use of the content management site and its terms of service. Step 1912 determines whether the user is of the requisite age to use the site, step 1914 determines if the user accepts specified terms and conditions, step 1916 determines if the submitted information will be accepted or declined, and step 1918 determines if valid information has been submitted. A negative determination in any of steps 1912, 1914 and 1918 results in the process returning to step 1900 to allow the user to make at least one more registration attempt. A negative determination in step 1916 terminates the registration process and returns the user to the home page (HP) from which the registration process was initiated, as indicated at 1930.

After positive determinations in steps 1912, 1914, 1916 and 1918, a database entry is created for the user in step 1920, a user URL and redirect file are created in step 1922, a welcoming email is sent to the user in step 1924, and the registration is completed in step 1926. At this point, a user may be permitted to build a mobile site, as indicated by the transition to the site building indicator (B).

Referring now to FIG. 20, an example login process (L) accessible via the content management site is shown. A user enters a login page at step 2000, and is requested at step 2002 to confirm that he or she is a "member," i.e., that he or she is already registered with the system. If the user is not registered, a link to the registration process (R) described previously and depicted in FIG. 19 is activated. Otherwise, step 2004 determines if the user has forgotten his or her password. If this is the case, steps 2006 through 2012 are executed to prompt the user to enter a user name, and/or other identifying information, and to click a send button, such that an email containing the forgotten password is then sent to the user, after which the process returns to step 2000. A negative determination in step 2004 results in execution of steps 2014 through 2018, prompting the user to enter a user name and password, to select an area of the content management site to start in, and to click a button to submit the login information. Step 2020 determines if the submitted login information is correct. If it is, the process ends, and the user can be directed, for example, to the home page (HP), the

directory (D), the start page (SP), or to any other desired page of the site. The resulting presented page is preferably customized to include information specific to the user, such as the information shown generally at 702 in FIG. 7.

If the login information entered by the user is incorrect, the process may return to step 2000 so that correct or more current login information may be submitted. While in some embodiments of the invention these verification steps could be repeated indefinitely, it is preferable to place a limit on the number of times that the system will continue to attempt such verification without success, after which the login process will end and no further submissions of login information will be accepted from that user until some specified remedial action takes place. Similar restrictions may be placed on repetition of the registration process previously described in conjunction with FIG. 19.

FIG. 21 shows an example process for creating a mobile site using the content management site. This process may be accessed, for example, upon completion of the registration process, or upon activation of the link associated with block 226 of FIG. 2. After initiation of the mobile site creation process in step 2100, the user is prompted in step 2102 to enter a site title, in step 2104 to enter a site URL, in 2106 to enter a site description, in step 2108 to enter a category, and in step 2110 to enter keywords. Steps 2102 to 2110 should be viewed as examples of the type of information a registered user could be asked to enter in order to create the mobile site, but a given mobile site in accordance with the invention can of course be created using other types of information.

Step 2112 determines if the submitted information is to be saved or canceled. The latter results in the process being directed to the home page (HP), the start page (SP), or other specified page of the content management site. If the submitted information is to be saved, step 2114 determines if the submitted information is valid. If the submitted information is not valid, the process returns to step 2100 to allow the user at least one additional attempt to create the mobile site. A positive determination in step 2114 results in the execution of content and/or data device formatting step 2116, database entry creation step 2118, and site URL and redirect file creation step 2120. The URL is used to access the mobile site that is created as a result of the FIG. 21 process.

Step 2122 represents the start of an M-channel selection wizard. From the M-channel selection wizard step, the user can choose a template, task and/or goal in step 2124, choose appropriate fields in step 2126, and select desired options in step 2130. At this point, the process generates the appropriate rules for the display engine in step 2132, and then activates

or otherwise generates one or more M-channels for the mobile site in step 2134. The result is a site specific M-channel list as indicated in step 2146, an example of which was previously described in conjunction with the screenshot of FIG. 8. Supplementary to this portion of the process, the user is also provided with an opportunity in steps 2136, 2138, 2140, 2142 and 2144 of FIG. 21 to add additional M-channels, options, external services, and the like to the mobile site. Any such added elements are taken into account in generating the site specific M-channel list in step 2146. At the completion of step 2146, the process returns to the main menu (MM), from which the M-channel wizard step 2122 can again be initiated to further modify the previously-created mobile site.

Turning now to FIG. 22, an example process for content authoring at the content management site is shown. The user in step 2202 selects a particular M-channel for which the content is to be authored. Step 2204 generates an M-channel content list, and step 2206 allows the status of the various content items to be changed from published to unpublished and vice-versa. Steps 2208 and 2210 allow content items on the M-channel content list to be erased. From the M-channel content list generated in step 2204, an item authoring wizard may be initiated in step 2212. This wizard facilitates the authoring of a content item by prompting the user to enter date and time in step 2214, to enter a title in step 2216, to enter message content, data template or both in step 2218, to select or upload media in step 2220, to select distribution, delivery and service options in step 2224, and to select publishing options in step 2226.

Selectable or uploadable media may include, for example, an XML/RSS feed, a database entry, a syndication item, a document, a video, a photo, a graphic, a music file, etc. Distribution, delivery and service options may include, for example, a distribution list based on group(s) or individual(s), SMS delivery, MMS delivery, email delivery, WAP availability, syndication availability, particular content to be combined or otherwise integrated with the content item upon delivery, etc. The publishing options may specify launch date, expiration date, private, public, group-specific, etc.

Step 2230 determines if a save button or a cancel button has been activated. Activation of the cancel button returns the process to the M-channel content list in step 2204. Activation of the save button causes formatting of the message content and/or data device in step 2232. Step 2234 determines if media has been selected for upload. If so, the selected media is uploaded in step 2236. In any case, step 2238 then determines if distribution, delivery and service options have been set. A positive determination results in the setting of

the distribution, delivery and service options in step 2240. The process then proceeds to step 2242, in which the generated content item and its associated settings are saved, preferably by storage in a database or other memory or storage device of the system, as indicated at 2244. The process then returns to the M-channel content list in step 2202.

Step 2246 initiates a distribution, delivery and service engine which sends the content item out to a rules-based display engine in step 2250 which then, driven by the options previously selected in steps 2224 and 2226, handles the presentation of the content in a manner appropriate to the mobile devices 15 on which it is to be viewed. The distribution, delivery and service engine may also take into account one or more external services 2248 as indicated. The display engine further provides appropriate interaction mechanisms consistent with the content and its associated options. In addition, alerts and/or other messages can be sent out in step 2252 based on options selected in step 2224 for notifying the recipient(s) that the content item is now available for access via the mobile site. The M-channel content list, and more specifically the item view associated with the particular content item, are updated as appropriate, in steps 2254 and 2256.

FIG. 23 shows an example directory process that may be implemented at the content management site. The directory process is initiated in step 2302, and in step 2304 permits a user to go directly to another user, which may result in the retrieval at step 2306 of the identification card or business card, also referred to herein as an M-card, of the other user. It is also possible in step 2314 to perform a member search, which may include specifying in steps 2316, 2318 and 2320 the respective beginning, containing or ending parameters of the member name. This leads to a member results list in step 2321 that can be used to retrieve one or more M-cards in step 2306. Another option is to view a member list, as indicated in step 2322, from which the user can select a letter and/or a number, leading again to a member results list in step 2321. The M-cards retrieved in step 2306 can be used to provide user profile information in step 2308, to view a mobile site or sites associated with the corresponding user(s) in step 2310, or to call via direct dial or otherwise the corresponding user(s) in step 2312. The direct dial call may be placed to a phone (P) or any other device capable of participating in a voice or data call.

It is also possible from the directory step 2302 to initiate a site search in step 2330, which may include specifying in steps 2332, 2334 and 2336 the respective beginning, containing or ending parameters of the desired site. This leads to a site results list in step 2338 that can be used to retrieve one or more user mobile sites in step 2340. Other mobile

site directory functions include generation of a site list in step 2350, leading to user selection of a letter and/or a number in step 2352, generation of site categories in step 2360, leading to user selection of a category in step 2362, and generation of keywords in step 2370, leading to user entry of a particular keyword or keywords in step 2372. Each of these functions results in generation of a site results list in step 2338, from which a user mobile site can be accessed in step 2340.

It is to be appreciated that the processes and their associated steps as described in conjunction with the operational flow diagrams of FIGS. 19 through 23 are merely exemplary, and the invention does not require the particular steps shown, or their particular order of execution.

The above-described illustrative embodiment of the invention provides a number of significant advantages relative to conventional techniques.

For example, the system 10 as described herein is advantageous in that it can be used to allow content providers to cost-effectively publish, distribute and generate revenue from a mobile content service.

Also, the system provides a platform for the development of a wide variety of personalized content applications for users of mobile devices, thereby allowing wireless network service providers not only to increase their subscriber base, but also to reduce turnover in their subscriber base.

Furthermore, the invention allows users to more efficiently communicate, collaborate and otherwise interact with their friends or colleagues instantly and seamlessly within a single system that provides a mobile web site integrating existing wireless networking functionalities, such as IM, SMS, MMS, location-based services, or email, with personally authored content.

Yet another advantage of the system described in conjunction with the illustrative embodiment is that it does not require users to download and install any particular client-side software. The generation of a given mobile site and the management of the content associated therewith is driven in the illustrative embodiment from the content management site at the server side of the system, accessible via a standard browser. The system is configured to operate independently of the user device operating system or other user device configuration parameters, such that a given user may author, create, publish, send, convey, share, receive, respond to, subscribe to, collaborate with, track, transact, maintain and

manage personalized messaging content from any type of user device running any operating system.

It should again be emphasized that the illustrative embodiment as described above is presented by way of example only, and should not be construed as limiting in any way. Numerous alternative embodiments within the scope of the appended claims will be readily apparent to those skilled in the art.

FIG. 1A

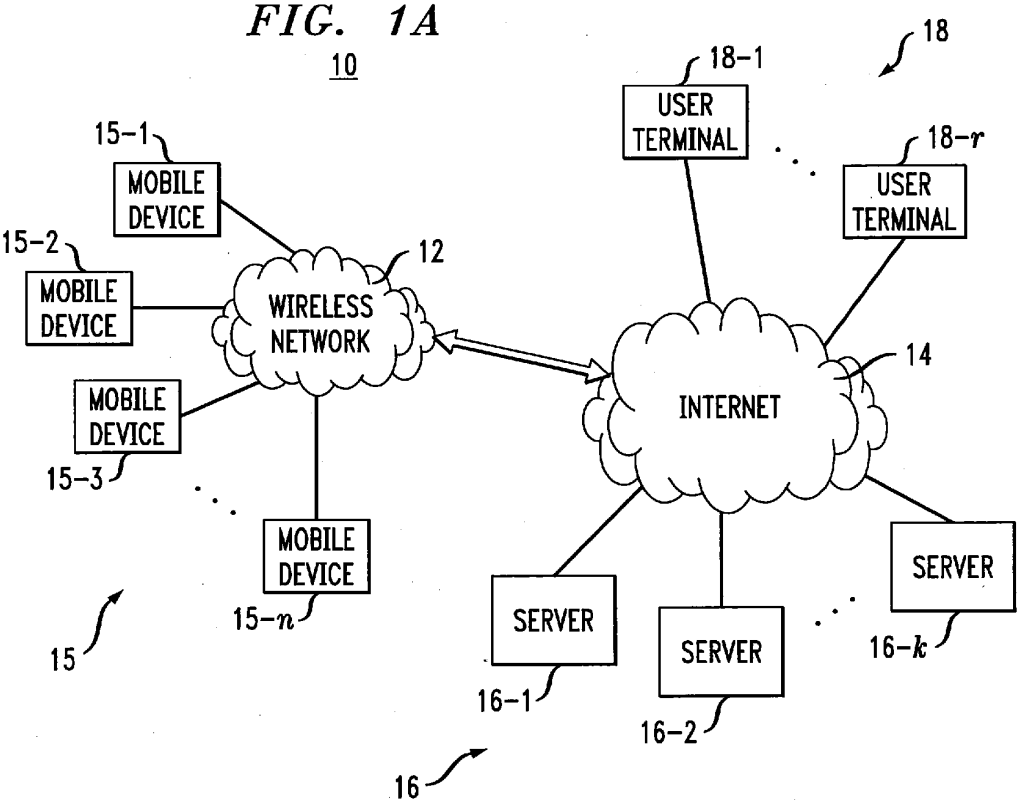
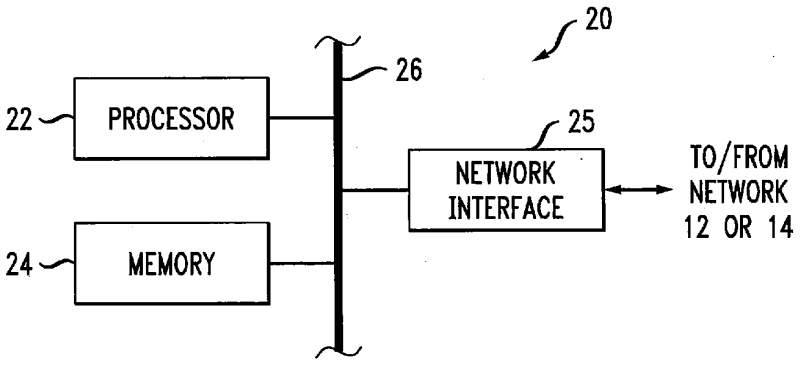

10
18
18-1
USER TERMINAL
18-r
USER TERMINAL
15-1
MOBILE DEVICE
15-2
MOBILE DEVICE
12
WIRELESS NETWORK
MOBILE DEVICE
15-3
MOBILE DEVICE
15-n
15
14
INTERNET
SERVER
16-k
SERVER
16-1
SERVER
16-2
16

FIG. 1B


20
26
22
PROCESSOR
25
NETWORK INTERFACE
TO/FROM NETWORK 12 OR 14
24
MEMORY

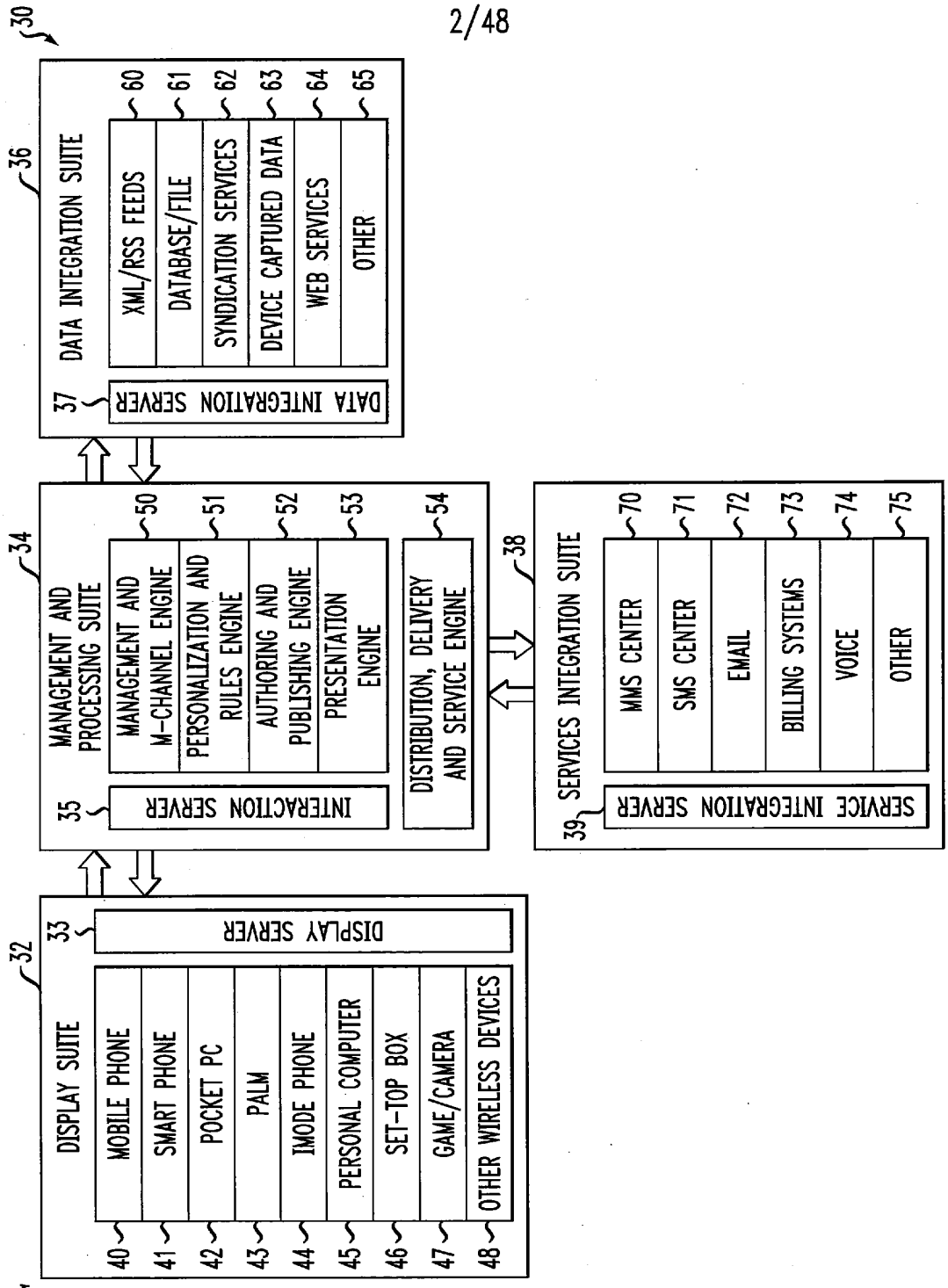

30
36
DATA INTEGRATION SUITE
60
XML/RSS FEEDS
61
DATABASE/FILE
62
SYNDICATION SERVICES
63
DEVICE CAPTURED DATA
64
WEB SERVICES
65
OTHER
37
DATA INTEGRATION SERVER
34
MANAGEMENT AND PROCESSING SUITE
50
MANAGEMENT AND M-CHANNEL ENGINE
51
PERSONALIZATION AND RULES ENGINE
52
AUTHORING AND PUBLISHING ENGINE
53
PRESENTATION ENGINE
54
DISTRIBUTION, DELIVERY AND SERVICE ENGINE
35
INTERACTION SERVER
38
SERVICES INTEGRATION SUITE
70
MMS CENTER
71
SMS CENTER
72
EMAIL
73
BILLING SYSTEMS
74
VOICE
75
OTHER
39
SERVICE INTEGRATION SERVER
32
DISPLAY SUITE
33
DISPLAY SERVER
40
MOBILE PHONE
41
SMART PHONE
42
POCKET PC
43
PALM
44
IMODE PHONE
45
PERSONAL COMPUTER
46
SET-TOP BOX
47
GAME/CAMERA
48
OTHER WIRELESS DEVICES

FIG. 1C

FIG. 1D

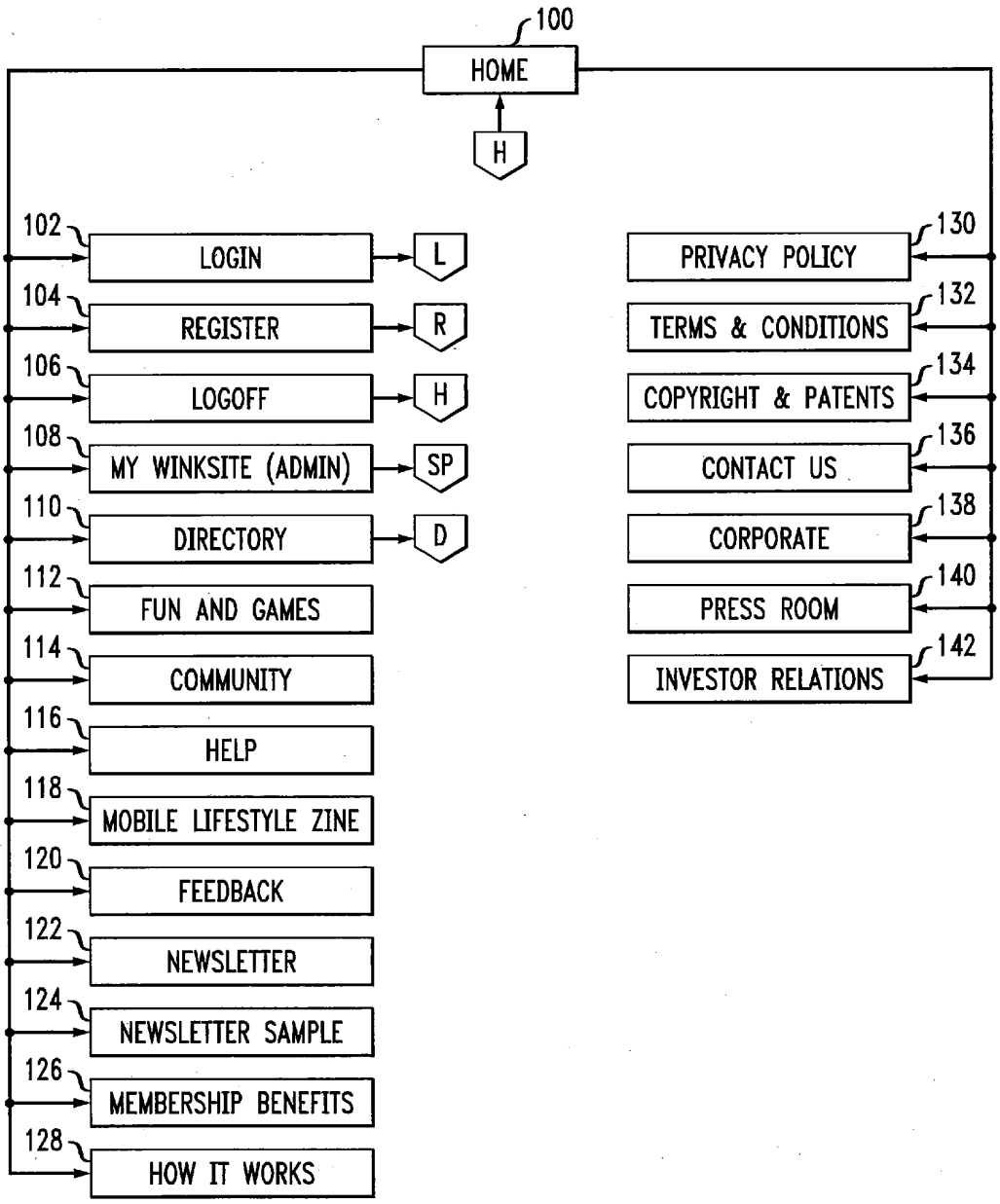

100
HOME
H
102
LOGIN
L
104
REGISTER
R
106
LOGOFF
H
108
MY WINKSITE (ADMIN)
SP
110
DIRECTORY
D
112
FUN AND GAMES
114
COMMUNITY
116
HELP
118
MOBILE LIFESTYLE ZINE
120
FEEDBACK
122
NEWSLETTER
124
NEWSLETTER SAMPLE
126
MEMBERSHIP BENEFITS
128
HOW IT WORKS
130
PRIVACY POLICY
132
TERMS & CONDITIONS
134
COPYRIGHT & PATENTS
136
CONTACT US
138
CORPORATE
140
PRESS ROOM
142
INVESTOR RELATIONS

FIG. 2

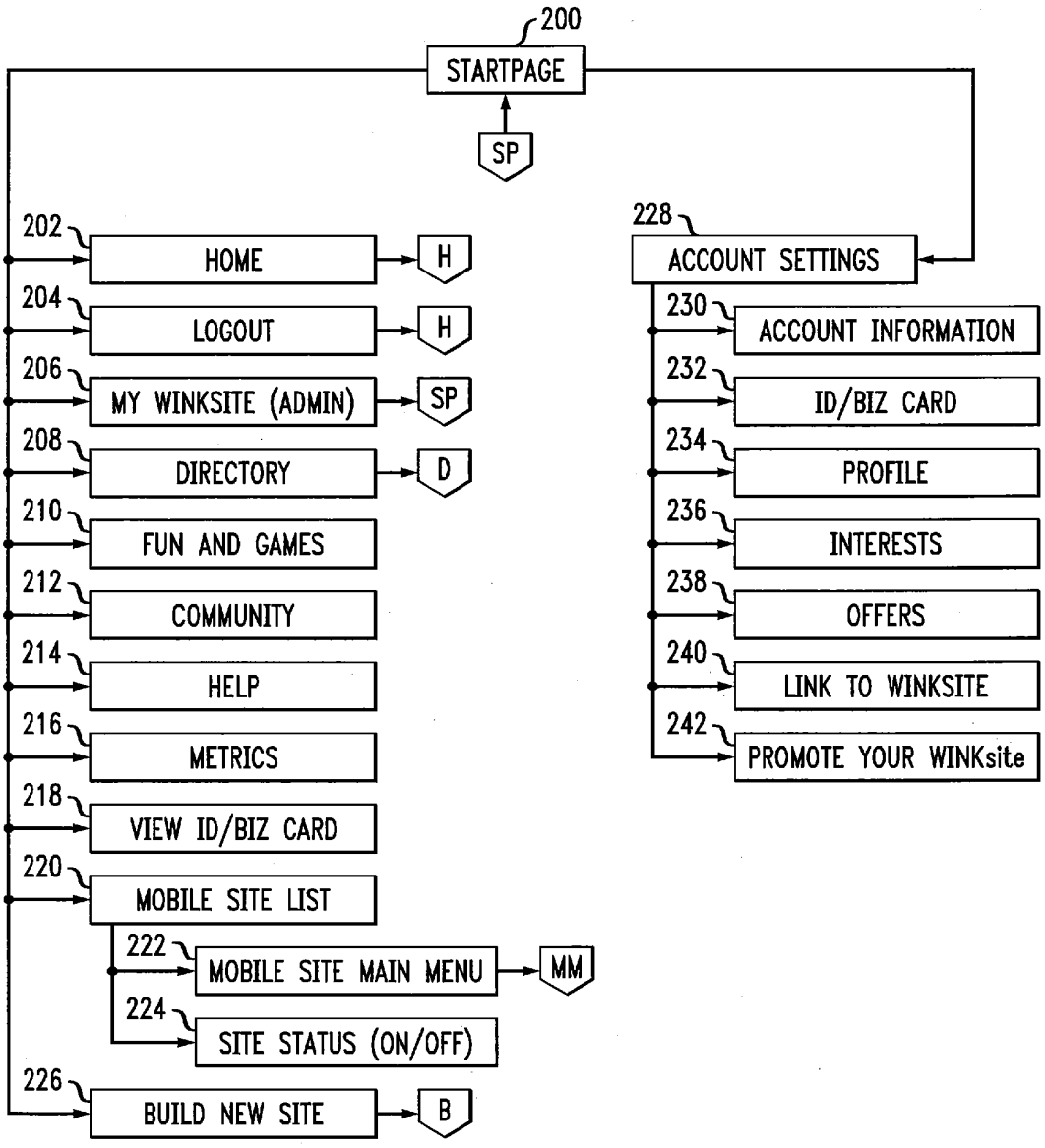

200
STARTPAGE
SP
202
HOME
H
204
LOGOUT
H
206
MY WINKSITE (ADMIN)
SP
208
DIRECTORY
D
210
FUN AND GAMES
212
COMMUNITY
214
HELP
216
METRICS
218
VIEW ID/BIZ CARD
220
MOBILE SITE LIST
222
MOBILE SITE MAIN MENU
MM
224
SITE STATUS (ON/OFF)
226
BUILD NEW SITE
B
228
ACCOUNT SETTINGS
230
ACCOUNT INFORMATION
232
ID/BIZ CARD
234
PROFILE
236
INTERESTS
238
OFFERS
240
LINK TO WINKSITE
242
PROMOTE YOUR WINKsite

FIG. 3

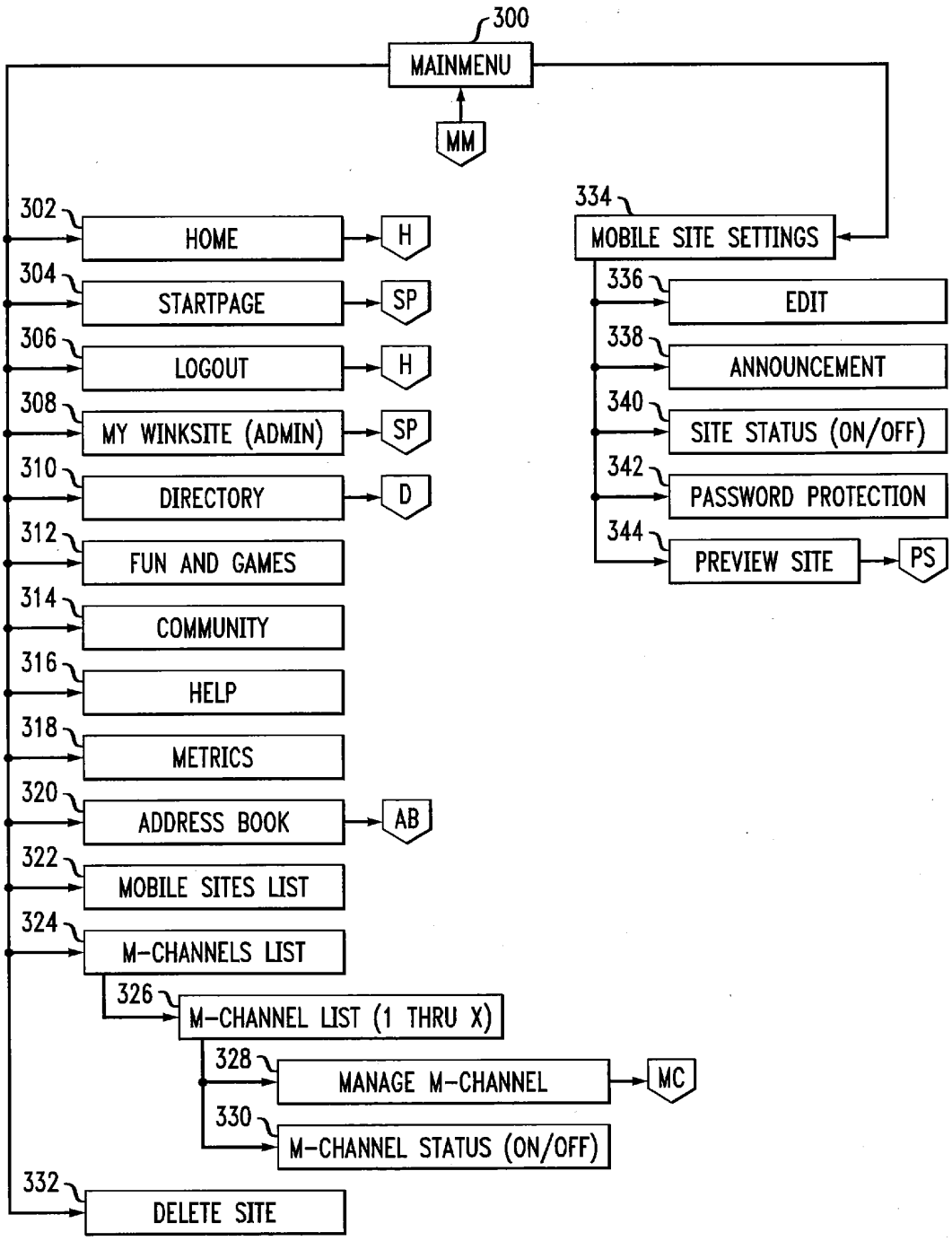

300
MAINMENU
MM
302
HOME
H
304
STARTPAGE
SP
306
LOGOUT
H
308
MY WINKSITE (ADMIN)
SP
310
DIRECTORY
D
312
FUN AND GAMES
314
COMMUNITY
316
HELP
318
METRICS
320
ADDRESS BOOK
AB
322
MOBILE SITES LIST
324
M-CHANNELS LIST
326
M-CHANNEL LIST (1 THRU X)
328
MANAGE M-CHANNEL
MC
330
M-CHANNEL STATUS (ON/OFF)
332
DELETE SITE
334
MOBILE SITE SETTINGS
336
EDIT
338
ANNOUNCEMENT
340
SITE STATUS (ON/OFF)
342
PASSWORD PROTECTION
344
PREVIEW SITE
PS

FIG. 4

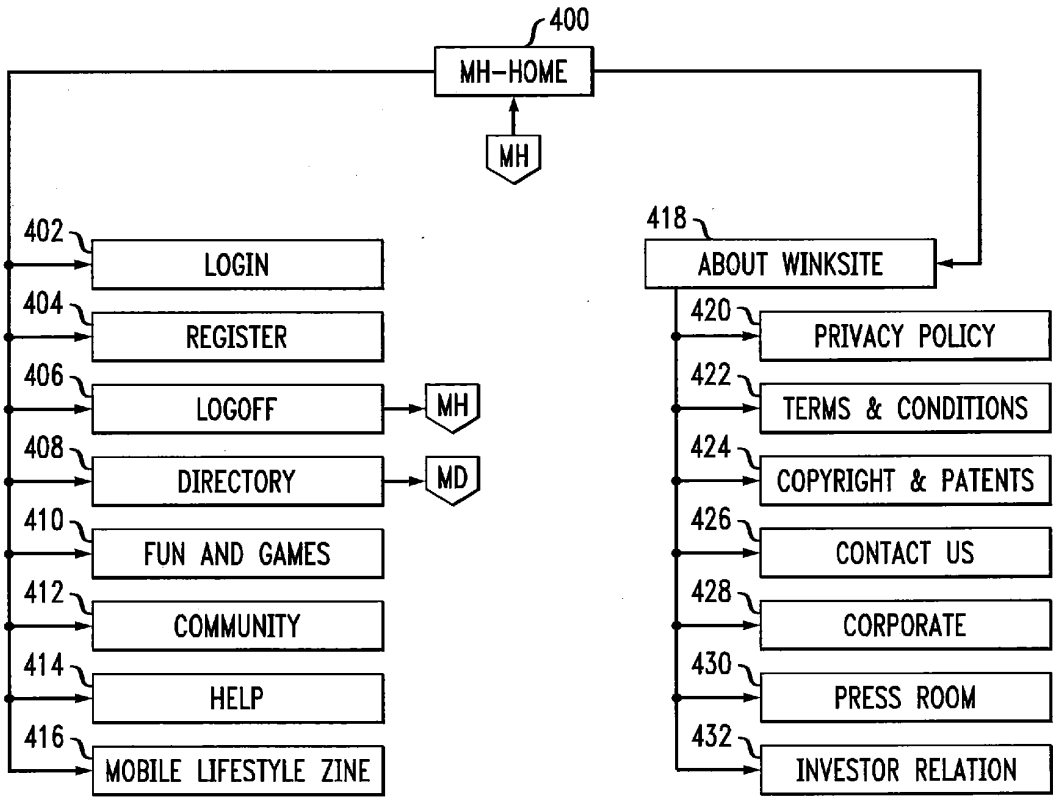
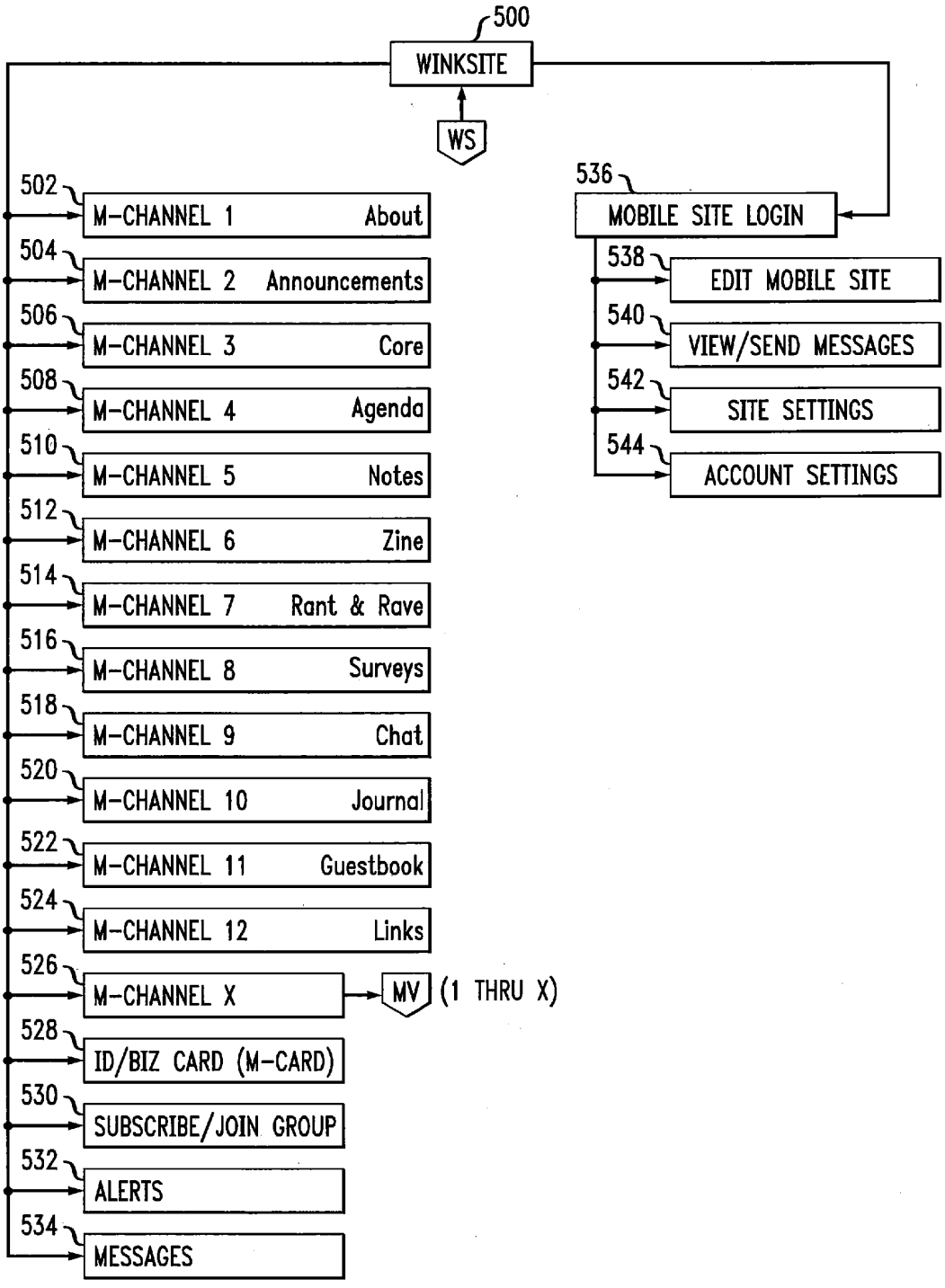

400
MH-HOME
MH
402
LOGIN
404
REGISTER
406
LOGOFF
MH
408
DIRECTORY
MD
410
FUN AND GAMES
412
COMMUNITY
414
HELP
416
MOBILE LIFESTYLE ZINE
418
ABOUT WINKSITE
420
PRIVACY POLICY
422
TERMS & CONDITIONS
424
COPYRIGHT & PATENTS
426
CONTACT US
428
CORPORATE
430
PRESS ROOM
432
INVESTOR RELATION

FIG. 5


500
WINKSITE
WS
502
M-CHANNEL 1 About
504
M-CHANNEL 2 Announcements
506
M-CHANNEL 3 Core
508
M-CHANNEL 4 Agenda
510
M-CHANNEL 5 Notes
512
M-CHANNEL 6 Zine
514
M-CHANNEL 7 Rant & Rave
516
M-CHANNEL 8 Surveys
518
M-CHANNEL 9 Chat
520
M-CHANNEL 10 Journal
522
M-CHANNEL 11 Guestbook
524
M-CHANNEL 12 Links
526
M-CHANNEL X
MV
(1 THRU X)
528
ID/BIZ CARD (M-CARD)
530
SUBSCRIBE/JOIN GROUP
532
ALERTS
534
MESSAGES
536
MOBILE SITE LOGIN
538
EDIT MOBILE SITE
540
VIEW/SEND MESSAGES
542
SITE SETTINGS
544
ACCOUNT SETTINGS

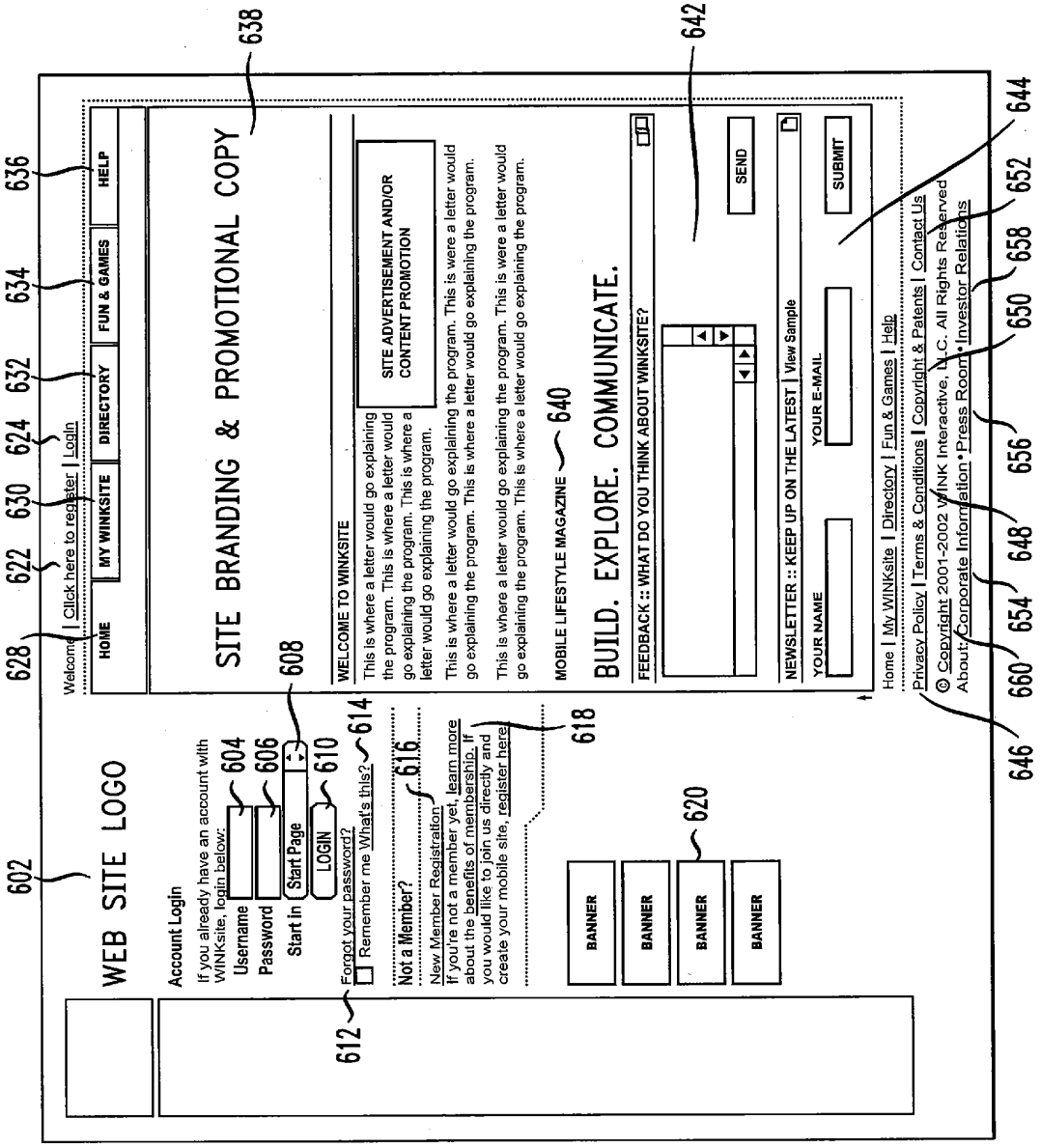

602
WEB SITE LOGO
Account Login
If you already have an account with WINKsite, login below:
Username
Password
Start In
Start Page
LOGIN
Forgot your password?
Remember me What's this?
Not a Member?
New Member Registration
If you're not a member yet, learn more about the benefits of membership. If you would like to join us directly and create your mobile site, register here.
BANNER
BANNER
BANNER
BANNER
604
606
608
610
612
614
616
618
620
622
624
628
630
632
634
636
638
640
642
644
646
648
650
652
654
656
658
660
Welcome | Click here to register | Login
HOME
MY WINKSITE
DIRECTORY
FUN & GAMES
HELP
SITE BRANDING & PROMOTIONAL COPY
WELCOME TO WINKSITE
This is where a letter would go explaining the program. This is where a letter would go explaining the program. This is where a letter would go explaining the program.
SITE ADVERTISEMENT AND/OR CONTENT PROMOTION
This is where a letter would go explaining the program. This is were a letter would go explaining the program. This is where a letter would go explaining the program.
This is where a letter would go explaining the program. This is were a letter would go explaining the program.
MOBILE LIFESTYLE MAGAZINE
BUILD. EXPLORE. COMMUNICATE.
FEEDBACK :: WHAT DO YOU THINK ABOUT WINKSITE?
SEND
NEWSLETTER :: KEEP UP ON THE LATEST | View Sample
YOUR NAME
YOUR E-MAIL
SUBMIT
Home | My WINKsite | Directory | Fun & Games | Help
Privacy Policy | Terms & Conditions | Copyright & Patents | Contact Us
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About Corporate Information • Press Room • Investor Relations

FIG. 6

FIG. 7

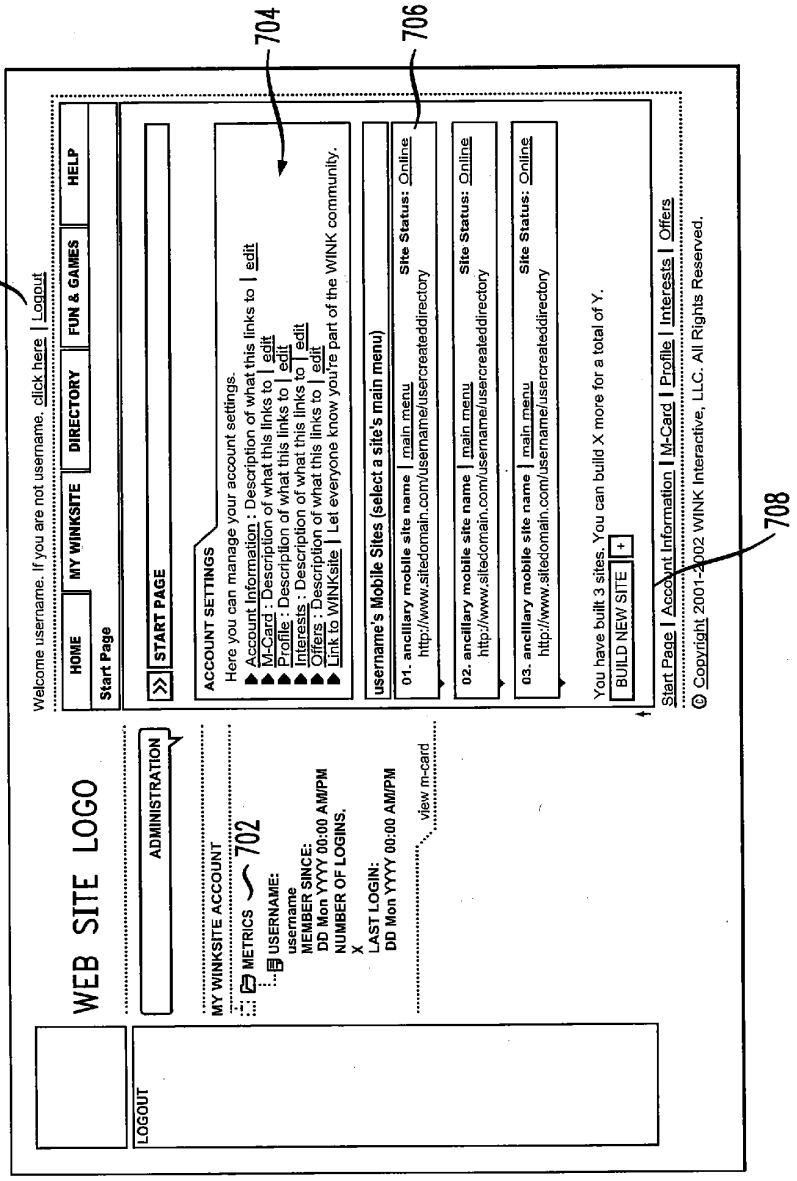

700
704
706
708
Welcome username. If you are not username, click here | Logout
HOME
MY WINKSITE
DIRECTORY
FUN & GAMES
HELP
Start Page
WEB SITE LOGO
ADMINISTRATION
START PAGE
ACCOUNT SETTINGS
Here you can manage your account settings.
Account Information : Description of what this links to | edit
M-Card : Description of what this links to | edit
Profile : Description of what this links to | edit
Interests : Description of what this links to | edit
Offers : Description of what this links to | edit
Link to WINKsite | Let everyone know you're part of the WINK community.
MY WINKSITE ACCOUNT
METRICS
USERNAME:
username
MEMBER SINCE:
DD Mon YYYY 00:00 AM/PM
NUMBER OF LOGINS:
X
LAST LOGIN:
DD Mon YYYY 00:00 AM/PM
view m-card
LOGOUT
username's Mobile Sites (select a site's main menu)
01. ancillary mobile site name | main menu
Site Status: Online
http://www.sitedomain.com/username/usercreateddirectory
02. ancillary mobile site name | main menu
Site Status: Online
http://www.sitedomain.com/username/usercreateddirectory
03. ancillary mobile site name | main menu
Site Status: Online
http://www.sitedomain.com/username/usercreateddirectory
You have built 3 sites. You can build X more for a total of Y.
BUILD NEW SITE
Start Page | Account Information | M-Card | Profile | Interests | Offers
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FIG. 8

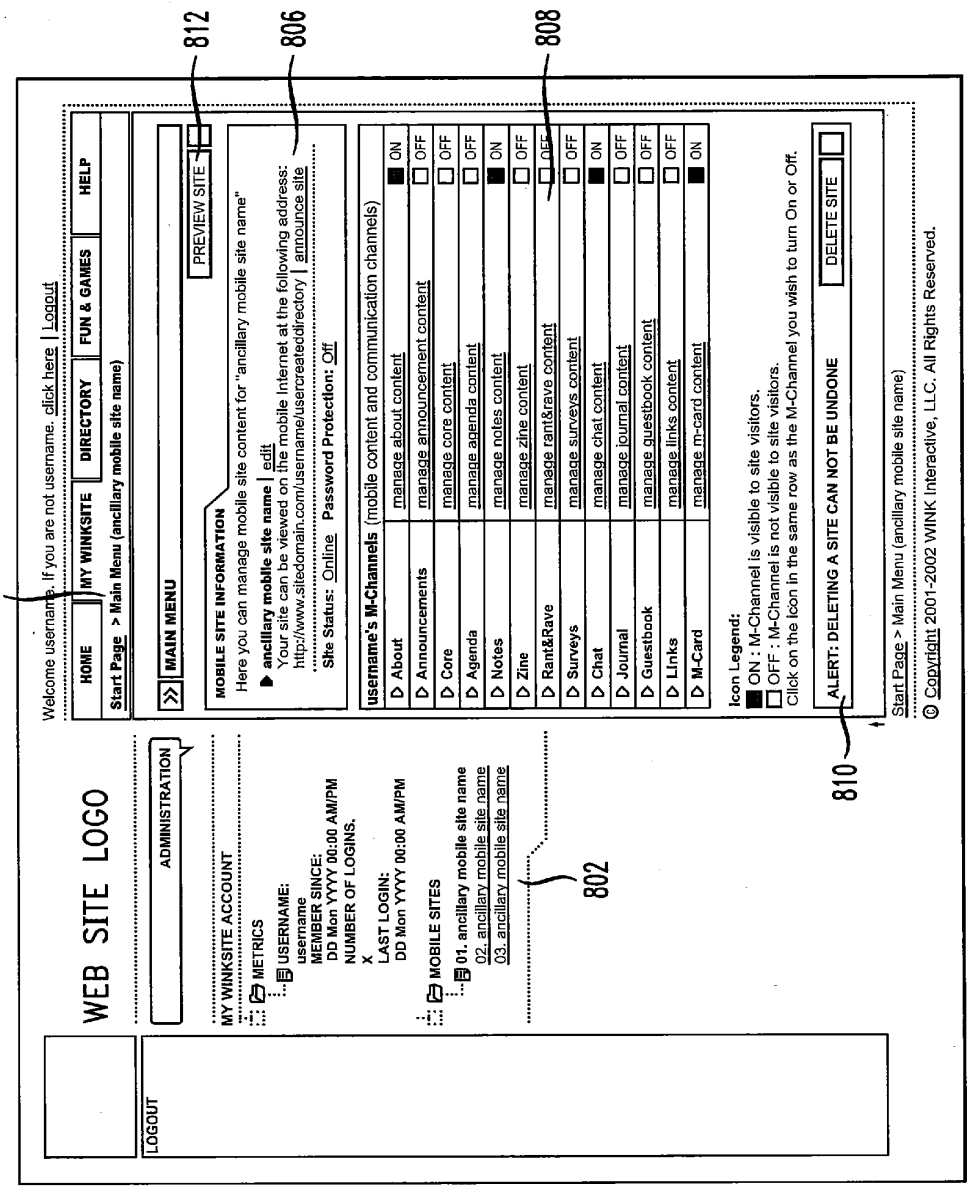

804
812
806
808
802
810
WEB SITE LOGO
Welcome username. If you are not username, click here | Logout
HOME
MY WINKSITE
DIRECTORY
FUN & GAMES
HELP
Start Page > Main Menu (ancillary mobile site name)
LOGOUT
ADMINISTRATION
MY WINKSITE ACCOUNT
METRICS
USERNAME:
username
MEMBER SINCE:
DD Mon YYYY 00:00 AM/PM
NUMBER OF LOGINS:
X
LAST LOGIN:
DD Mon YYYY 00:00 AM/PM
MOBILE SITES
01. ancillary mobile site name
02. ancillary mobile site name
03. ancillary mobile site name
MAIN MENU
PREVIEW SITE
MOBILE SITE INFORMATION
Here you can manage mobile site content for "ancillary mobile site name"
ancillary mobile site name | edit
Your site can be viewed on the mobile Internet at the following address:
http://www.sitedomain.com/username/usercreatedirectory | announce site
Site Status: Online Password Protection: Off
username's M-Channels (mobile content and communication channels)
About manage about content ON
Announcements manage announcement content OFF
Core manage core content OFF
Agenda manage agenda content OFF
Notes manage notes content ON
Zine manage zine content OFF
Rant&Rave manage rant&rave content OFF
Surveys manage surveys content OFF
Chat manage chat content ON
Journal manage journal content OFF
Guestbook manage questbook content OFF
Links manage links content OFF
M-Card manage m-card content ON
Icon Legend:
ON : M-Channel is visible to site visitors.
OFF : M-Channel is not visible to site visitors.
Click on the Icon in the same row as the M-Channel you wish to turn On or Off.
ALERT: DELETING A SITE CAN NOT BE UNDONE
DELETE SITE
Start Page > Main Menu (ancillary mobile site name)
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FIG. 9a

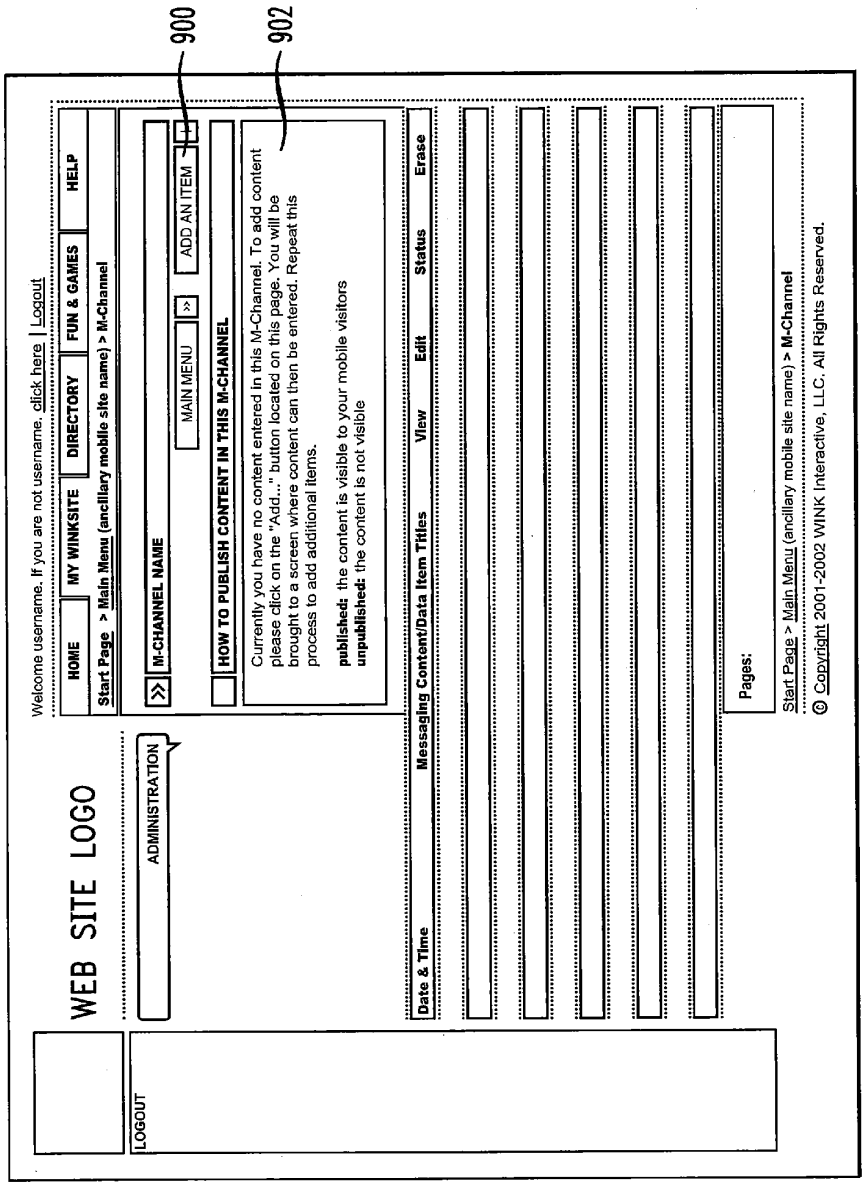
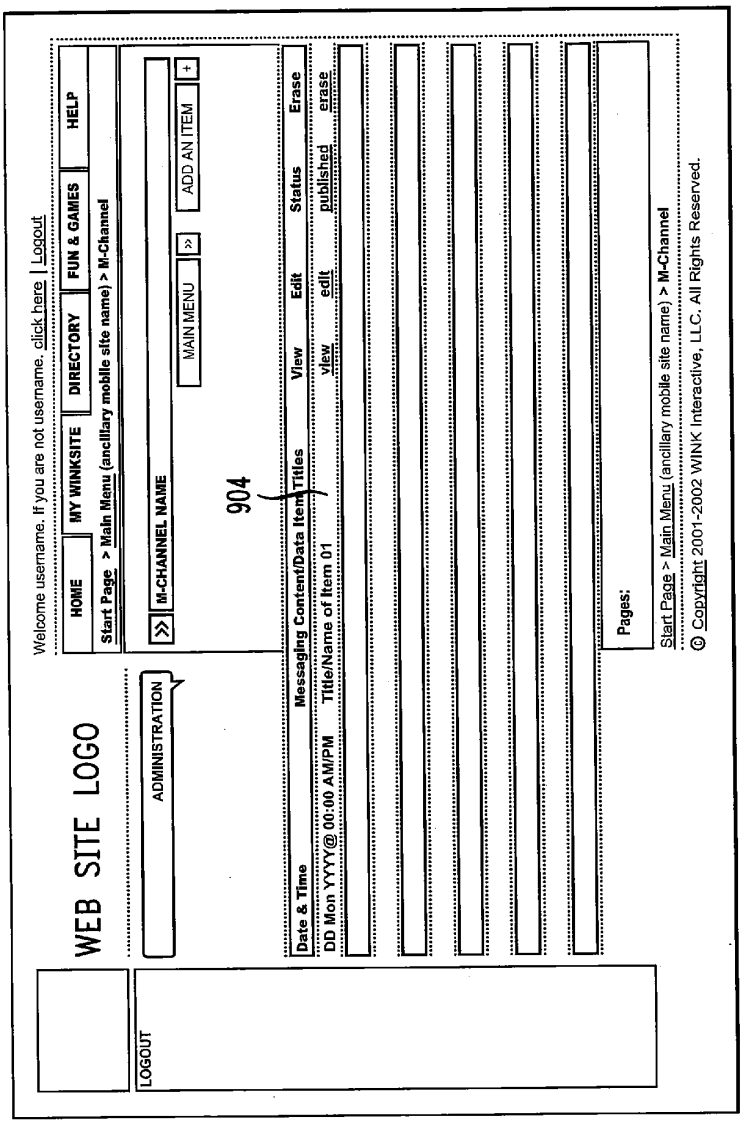

900
902
WEB SITE LOGO
Welcome username. If you are not username, click here | Logout
HOME
MY WINKSITE
DIRECTORY
FUN & GAMES
HELP
Start Page > Main Menu (ancillary mobile site name) > M-Channel
ADMINISTRATION
LOGOUT
M-CHANNEL NAME
MAIN MENU
ADD AN ITEM
HOW TO PUBLISH CONTENT IN THIS M-CHANNEL
Currently you have no content entered in this M-Channel. To add content please click on the "Add..." button located on this page. You will be brought to a screen where content can then be entered. Repeat this process to add additional items.
published: the content is visible to your mobile visitors
unpublished: the content is not visible
Date & Time
Messaging Content/Data Item Titles
View
Edit
Status
Erase
Pages:
Start Page > Main Menu (ancillary mobile site name) > M-Channel
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FIG. 9b


WEB SITE LOGO
Welcome username. If you are not username, click here | Logout
HOME
MY WINKSITE
DIRECTORY
FUN & GAMES
HELP
Start Page > Main Menu (ancillary mobile site name) > M-Channel
ADMINISTRATION
M-CHANNEL NAME
MAIN MENU
ADD AN ITEM
904
Messaging Content/Data Item Titles
Date & Time
Title/Name of Item 01
View
Edit
Status
Erase
DD Mon YYYY@ 00:00 AM/PM
view
edit
published
erase
LOGOUT
Pages:
Start Page > Main Menu (ancillary mobile site name) > M-Channel
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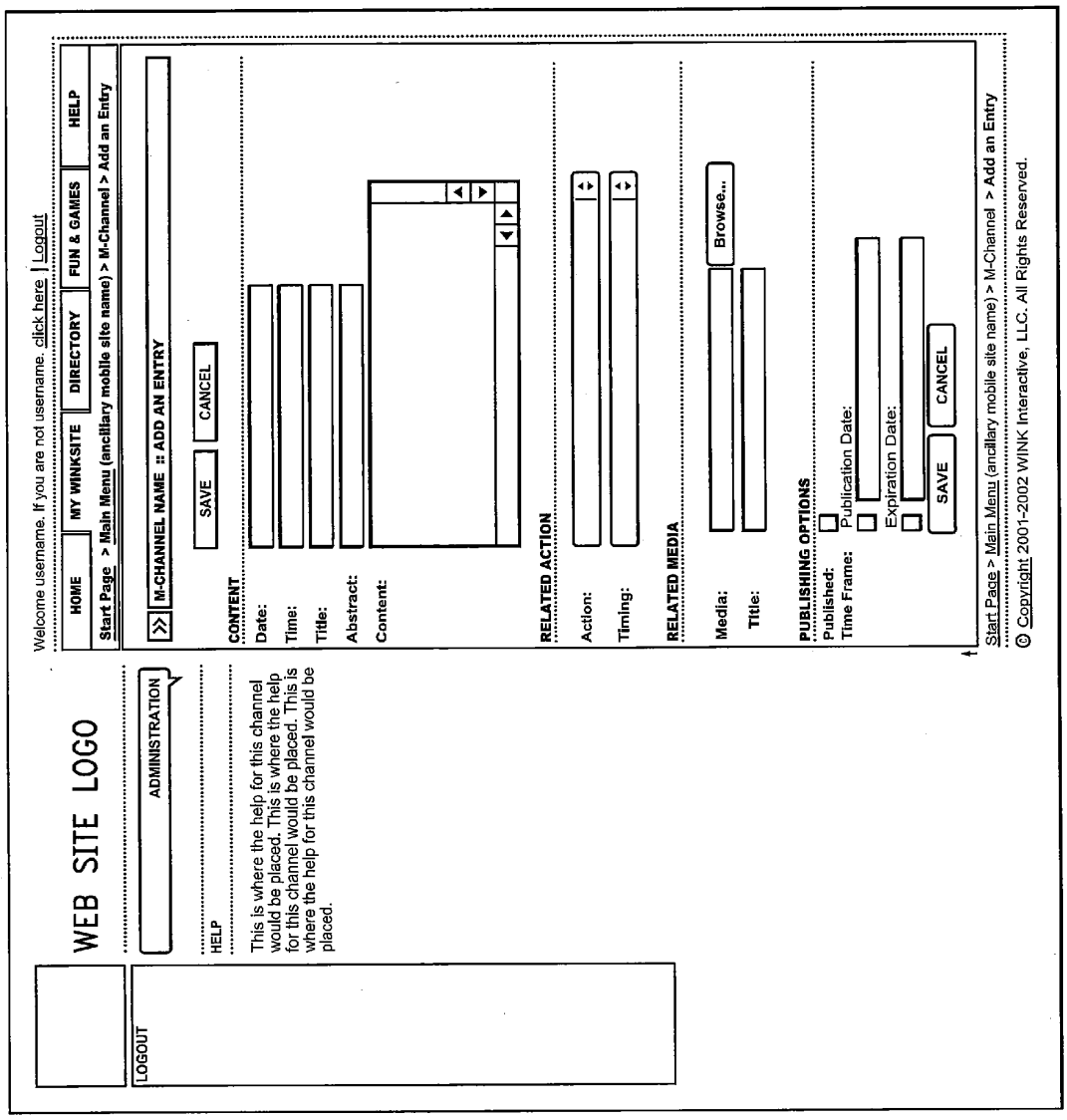
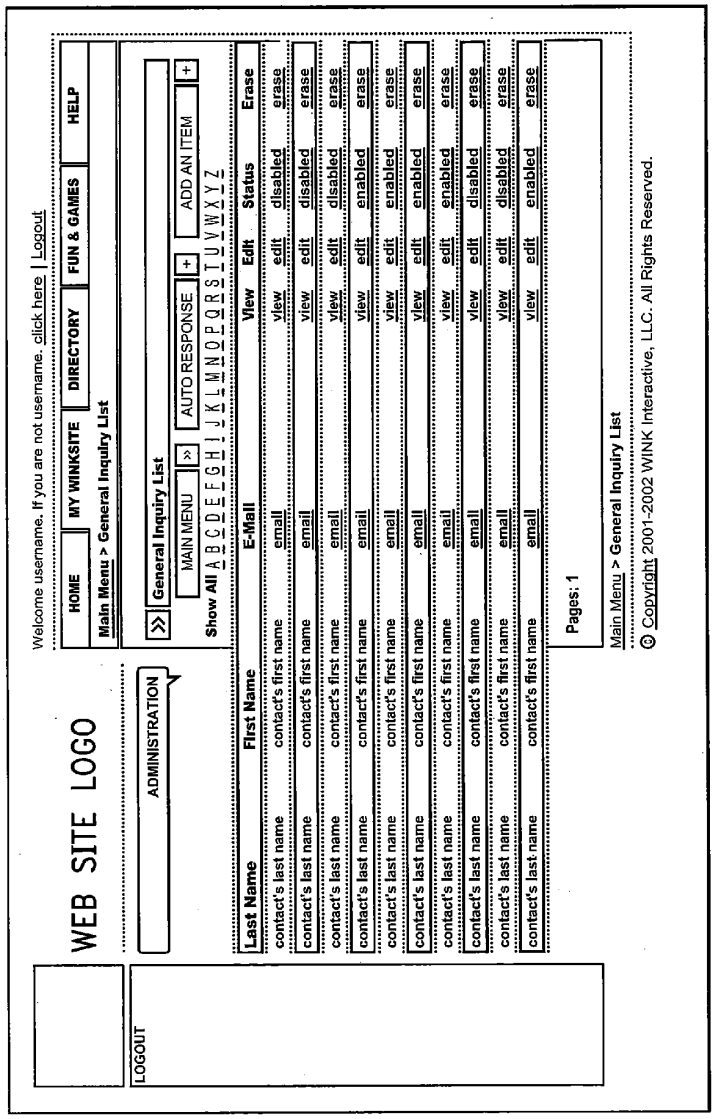

WEB SITE LOGO
Welcome username. If you are not username, click here. | Logout
HOME
MY WINKSITE
DIRECTORY
FUN & GAMES
HELP
Start Page > Main Menu (ancillary mobile site name) > M-Channel > Add an Entry
LOGOUT
ADMINISTRATION
HELP
This is where the help for this channel would be placed. This is where the help for this channel would be placed. This is where the help for this channel would be placed.
M-CHANNEL NAME :: ADD AN ENTRY
SAVE
CANCEL
CONTENT
Date:
Time:
Title:
Abstract:
Content:
RELATED ACTION
Action:
Timing:
RELATED MEDIA
Media:
Browse...
Title:
PUBLISHING OPTIONS
Published:
Time Frame:
Publication Date:
Expiration Date:
SAVE
CANCEL
Start Page > Main Menu (ancillary mobile site name) > M-Channel > Add an Entry
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FIG. 10

FIG. 11


WEB SITE LOGO
Welcome username. If you are not username, click here | Logout
HOME
MY WINKSITE
DIRECTORY
FUN & GAMES
HELP
LOGOUT
ADMINISTRATION
Main Menu > General Inquiry List
General Inquiry List
MAIN MENU
AUTO RESPONSE
ADD AN ITEM
Show All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Last Name
First Name
E-Mail
View
Edit
Status
Erase
contact's last name
contact's first name
email
view
edit
disabled
enabled
erase
Pages: 1
Main Menu > General Inquiry List
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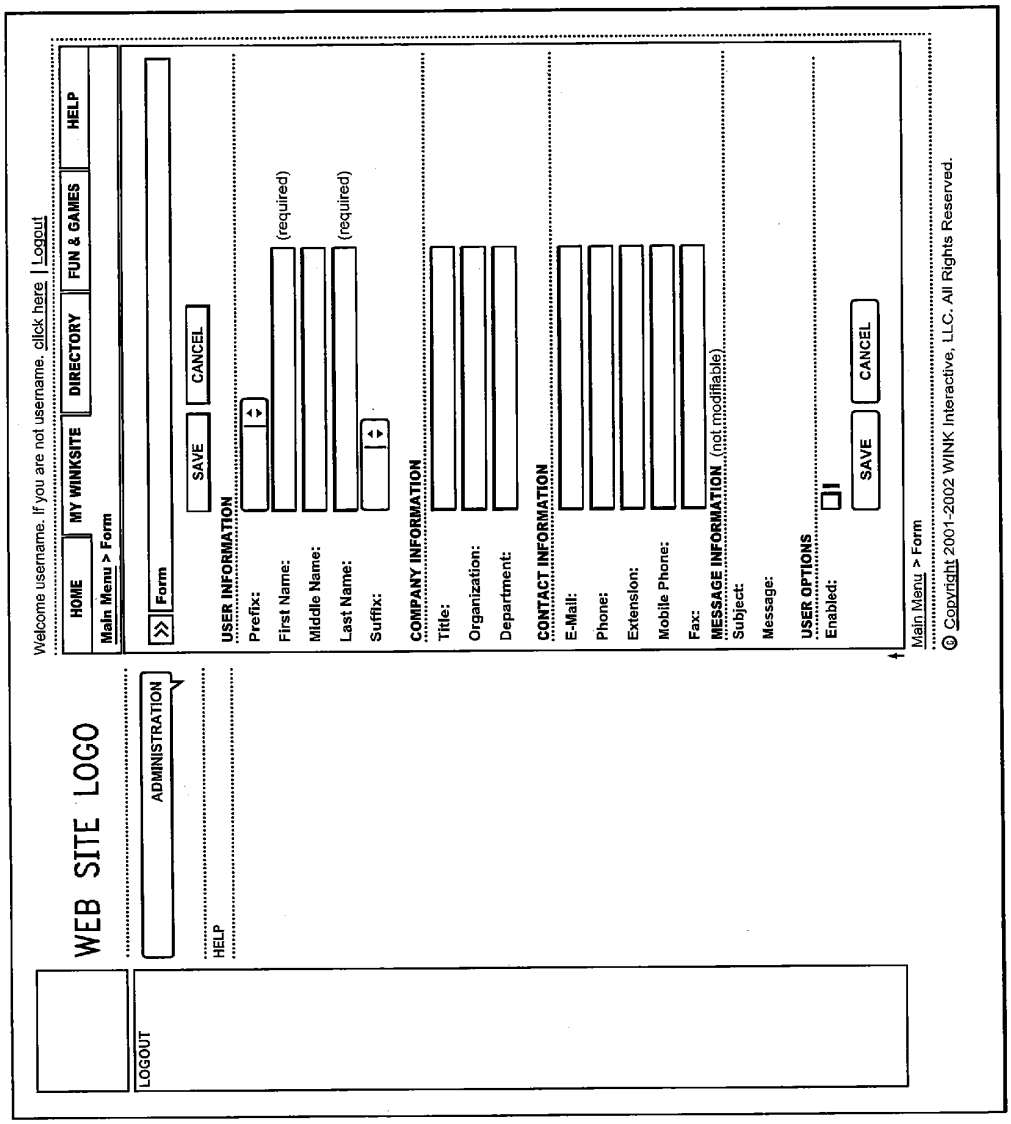

WEB SITE LOGO
Welcome username. If you are not username, click here | Logout
HOME
MY WINKSITE
DIRECTORY
FUN & GAMES
HELP
Main Menu > Form
LOGOUT
ADMINISTRATION
HELP
Form
SAVE
CANCEL
USER INFORMATION
Prefix:
First Name:
(required)
Middle Name:
Last Name:
(required)
Suffix:
COMPANY INFORMATION
Title:
Organization:
Department:
CONTACT INFORMATION
E-Mail:
Phone:
Extension:
Mobile Phone:
Fax:
MESSAGE INFORMATION (not modifiable)
Subject:
Message:
USER OPTIONS
Enabled:
SAVE
CANCEL
Main Menu > Form
© Copyright 2001-2002 WINK Interactive, LLC. All Rights Reserved.

FIG. 12

FIG. 13

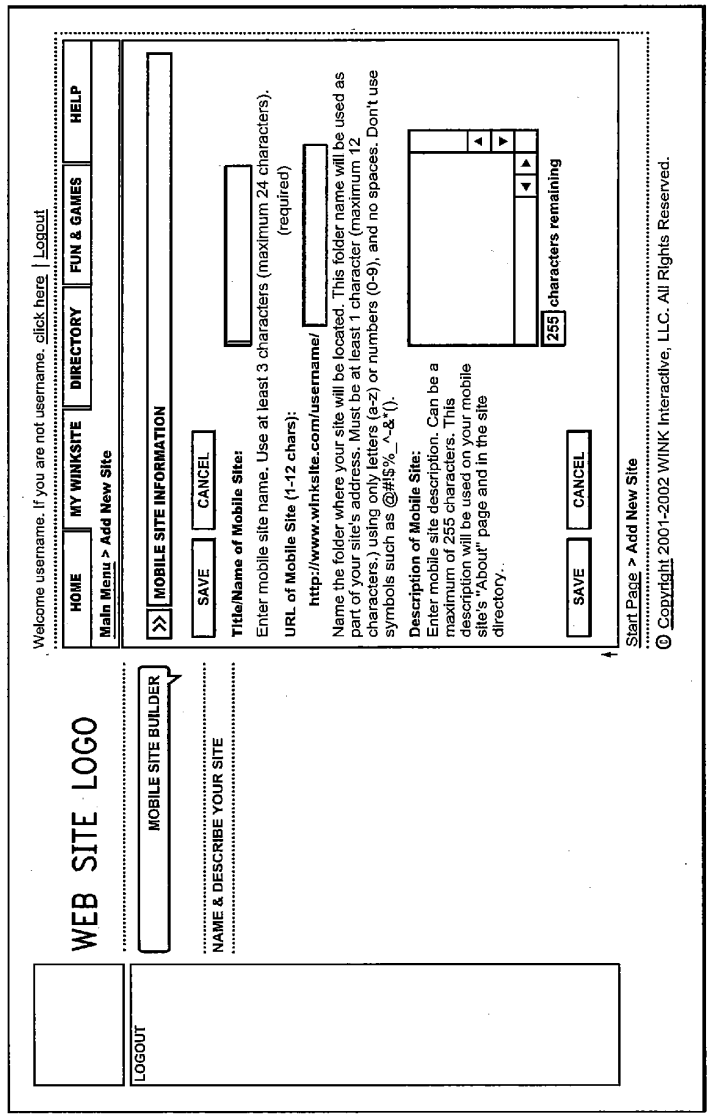

WEB SITE LOGO
Welcome username. If you are not username, click here | Logout
HOME
MY WINKSITE
DIRECTORY
FUN & GAMES
HELP
Main Menu > Add New Site
LOGOUT
MOBILE SITE BUILDER
NAME & DESCRIBE YOUR SITE
MOBILE SITE INFORMATION
SAVE
CANCEL
Title/Name of Mobile Site:
Enter mobile site name. Use at least 3 characters (maximum 24 characters).
(required)
URL of Mobile Site (1-12 chars):
http://www.winksite.com/username/
Name the folder where your site will be located. This folder name will be used as part of your site's address. Must be at least 1 character (maximum 12 characters.) using only letters (a-z) or numbers (0-9), and no spaces. Don't use symbols such as @#$%^&*().
Description of Mobile Site:
Enter mobile site description. Can be a maximum of 255 characters. This description will be used on your mobile site's "About" page and in the site directory.
255 characters remaining
SAVE
CANCEL
Start Page > Add New Site
© Copyright 2001-2002 WINK Interactive, LLC. All Rights Reserved.

FIG. 14

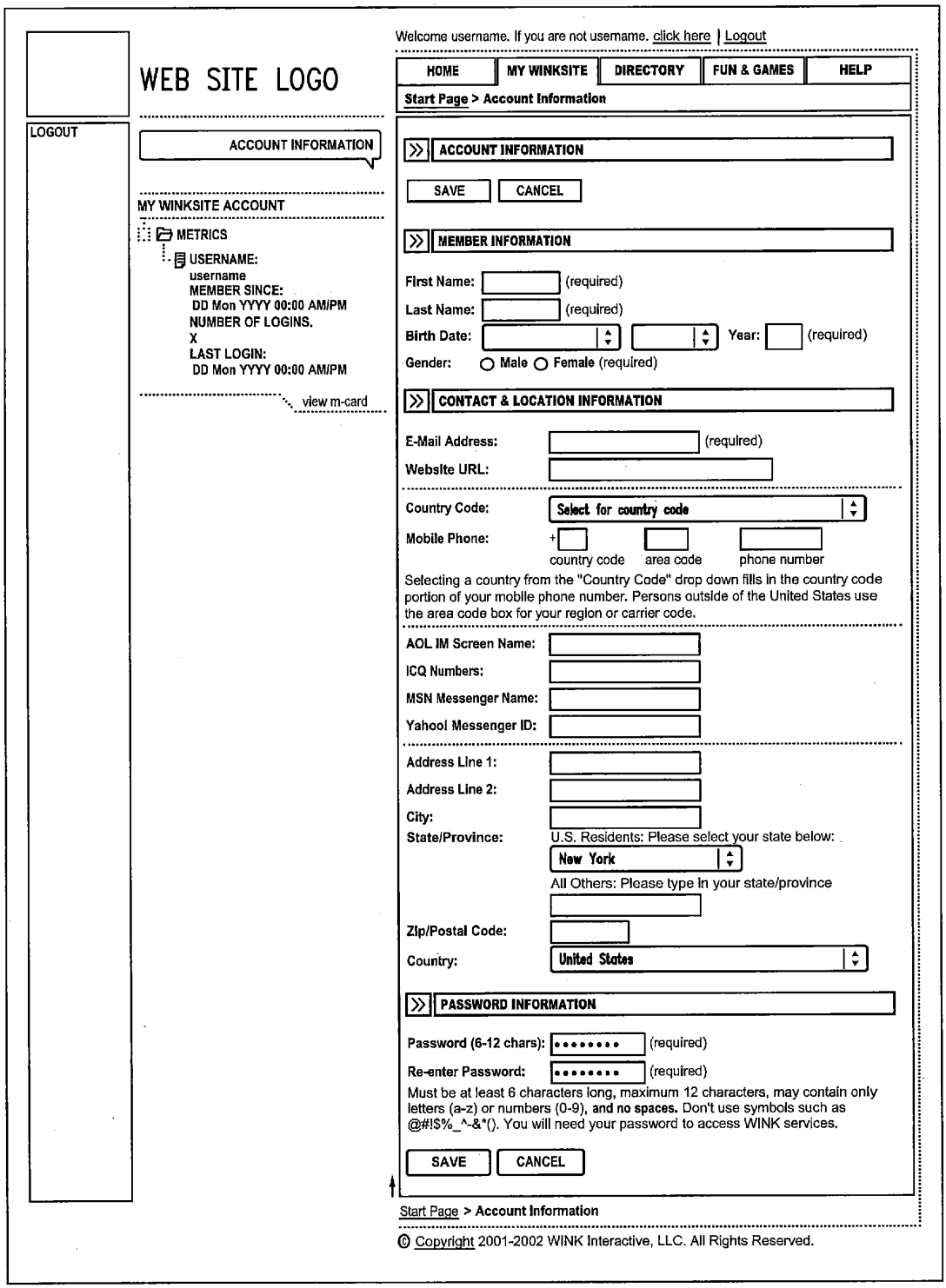
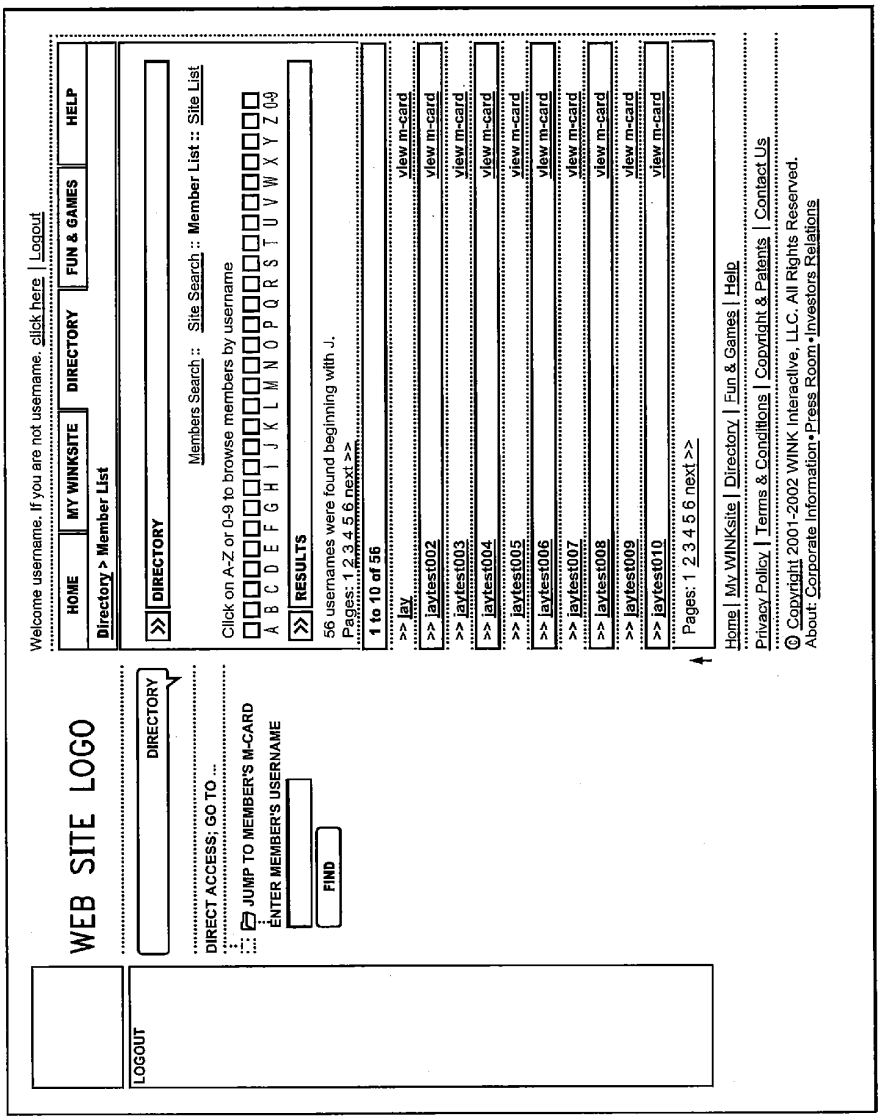

WEB SITE LOGO
Welcome username. If you are not username. click here | Logout
HOME
MY WINKSITE
DIRECTORY
FUN & GAMES
HELP
Start Page > Account Information
LOGOUT
ACCOUNT INFORMATION
MY WINKSITE ACCOUNT
METRICS
USERNAME:
username
MEMBER SINCE:
DD Mon YYYY 00:00 AM/PM
NUMBER OF LOGINS.
X
LAST LOGIN:
DD Mon YYYY 00:00 AM/PM
view m-card
ACCOUNT INFORMATION
SAVE
CANCEL
MEMBER INFORMATION
First Name: (required)
Last Name: (required)
Birth Date: Year: (required)
Gender: Male Female (required)
CONTACT & LOCATION INFORMATION
E-Mail Address: (required)
Website URL:
Country Code: Select for country code
Mobile Phone: + country code area code phone number
Selecting a country from the "Country Code" drop down fills in the country code portion of your mobile phone number. Persons outside of the United States use the area code box for your region or carrier code.
AOL IM Screen Name:
ICQ Numbers:
MSN Messenger Name:
Yahoo! Messenger ID:
Address Line 1:
Address Line 2:
City:
State/Province: U.S. Residents: Please select your state below:
New York
All Others: Please type in your state/province
Zip/Postal Code:
Country: United States
PASSWORD INFORMATION
Password (6-12 chars): (required)
Re-enter Password: (required)
Must be at least 6 characters long, maximum 12 characters, may contain only letters (a-z) or numbers (0-9), and no spaces. Don't use symbols such as @#!$%_^-&*(). You will need your password to access WINK services.
SAVE
CANCEL
Start Page > Account Information
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FIG. 15


WEB SITE LOGO
LOGOUT
DIRECTORY
DIRECT ACCESS; GO TO ...
JUMP TO MEMBER'S M-CARD
ENTER MEMBER'S USERNAME
FIND
Welcome username. If you are not username, click here | Logout
HOME
MY WINKSITE
DIRECTORY
FUN & GAMES
HELP
Directory > Member List
DIRECTORY
Members Search :: Site Search :: Member List :: Site List
Click on A-Z or 0-9 to browse members by username
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0-9
RESULTS
56 usernames were found beginning with J.
Pages: 1 2 3 4 5 6 next >>
1 to 10 of 56
>> jay
view m-card
>> jaytest002
view m-card
>> jaytest003
view m-card
>> jaytest004
view m-card
>> jaytest005
view m-card
>> jaytest006
view m-card
>> jaytest007
view m-card
>> jaytest008
view m-card
>> jaytest009
view m-card
>> jaytest010
view m-card
Pages: 1 2 3 4 5 6 next >>
Home | My WINKsite | Directory | Fun & Games | Help
Privacy Policy | Terms & Conditions | Copyright & Patents | Contact Us
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About: Corporate Information • Press Room • Investors Relations

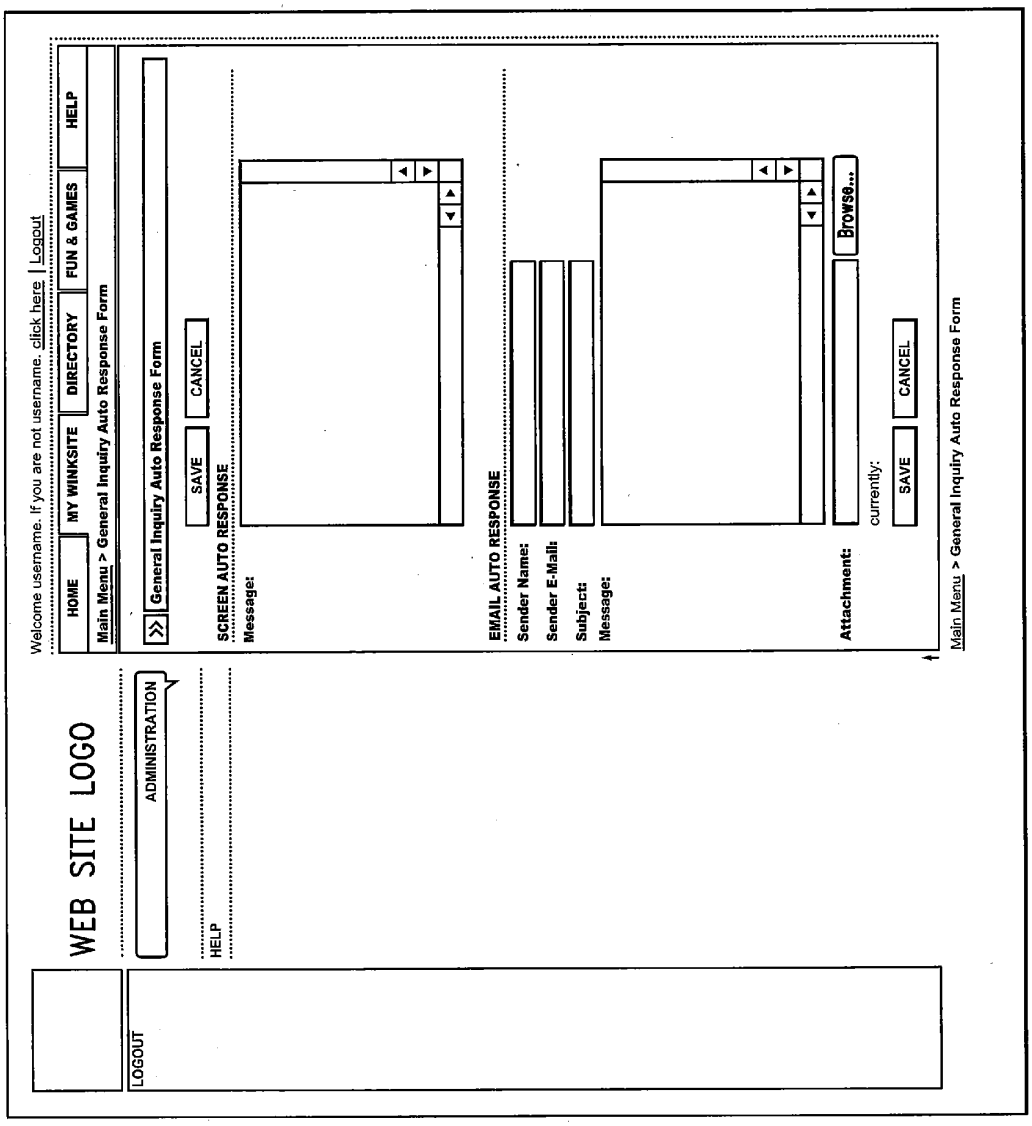

WEB SITE LOGO
Welcome username. If you are not username, click here | Logout
HOME
MY WINKSITE
DIRECTORY
FUN & GAMES
HELP
Main Menu > General Inquiry Auto Response Form
LOGOUT
ADMINISTRATION
HELP
General Inquiry Auto Response Form
SAVE
CANCEL
SCREEN AUTO RESPONSE:
Message:
EMAIL AUTO RESPONSE
Sender Name:
Sender E-Mail:
Subject:
Message:
Attachment:
Browse...
currently:
SAVE
CANCEL
Main Menu > General Inquiry Auto Response Form

FIG. 16

FIG. 17a

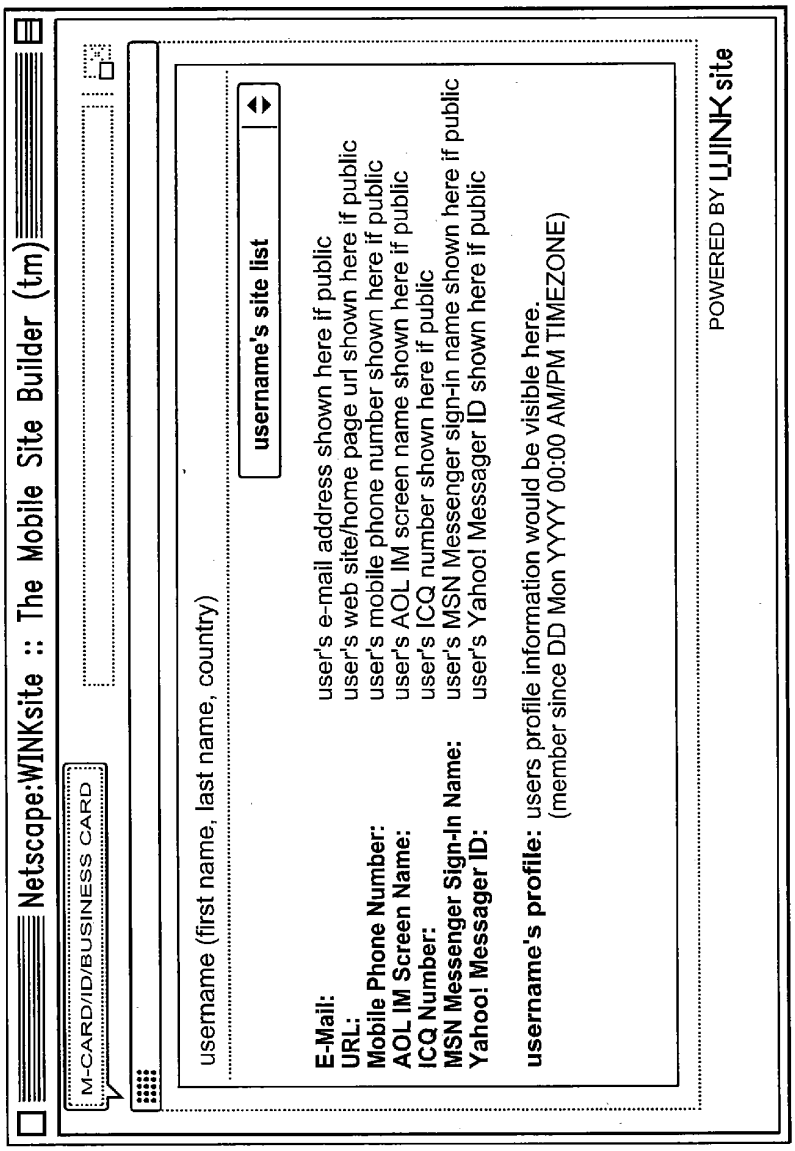

Netscape:WINKsite :: The Mobile Site Builder (tm)
M-CARD/ID/BUSINESS CARD
username (first name, last name, country)
username's site list
E-Mail: user's e-mail address shown here if public
URL: user's web site/home page url shown here if public
Mobile Phone Number: user's mobile phone number shown here if public
AOL IM Screen Name: user's AOL IM screen name shown here if public
ICQ Number: user's ICQ number shown here if public
MSN Messenger Sign-In Name: user's MSN Messenger sign-in name shown here if public
Yahoo! Messager ID: user's Yahoo! Messager ID shown here if public
username's profile: users profile information would be visible here.
(member since DD Mon YYYY 00:00 AM/PM TIMEZONE)
POWERED BY WINKsite

FIG. 17b

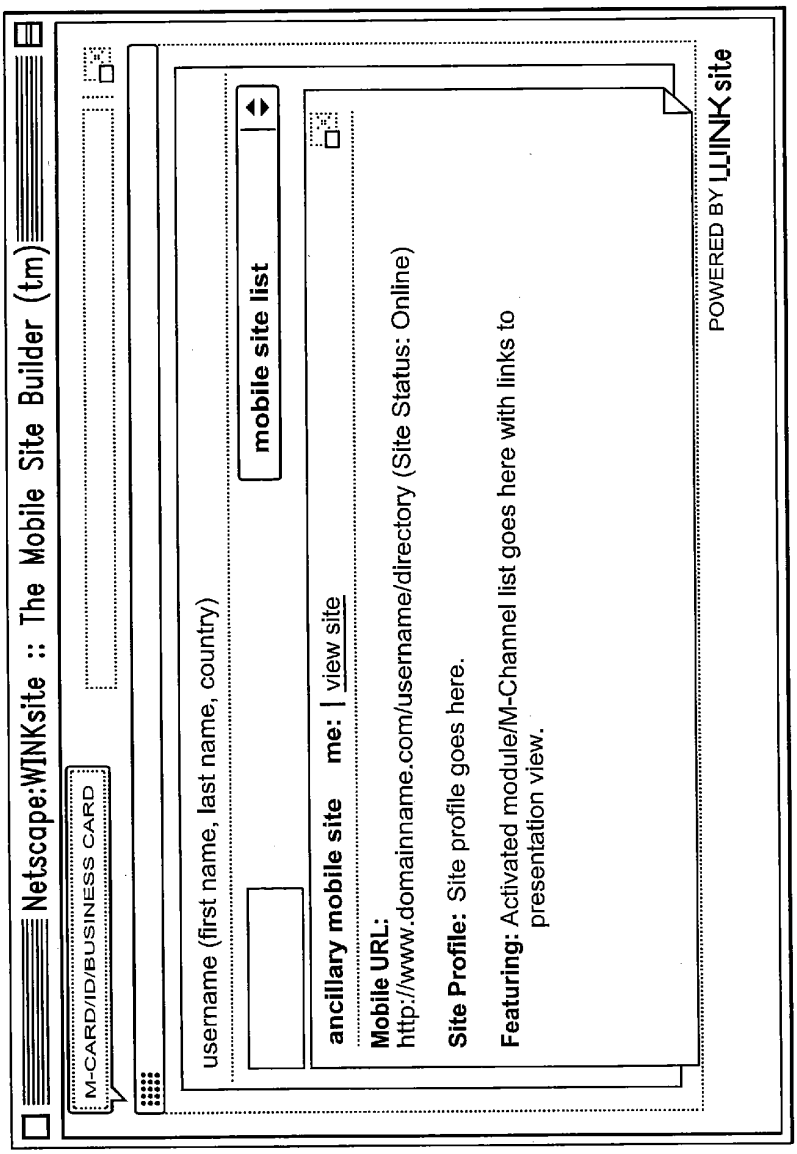

Netscape:WINKsite :: The Mobile Site Builder (tm)
M-CARD/ID/BUSINESS CARD
username (first name, last name, country)
mobile site list
ancillary mobile site me: | view site
Mobile URL:
http://www.domainname.com/username/directory (Site Status: Online)
Site Profile: Site profile goes here.
Featuring: Activated module/M-Channel list goes here with links to presentation view.
POWERED BY WINKsite

FIG. 18

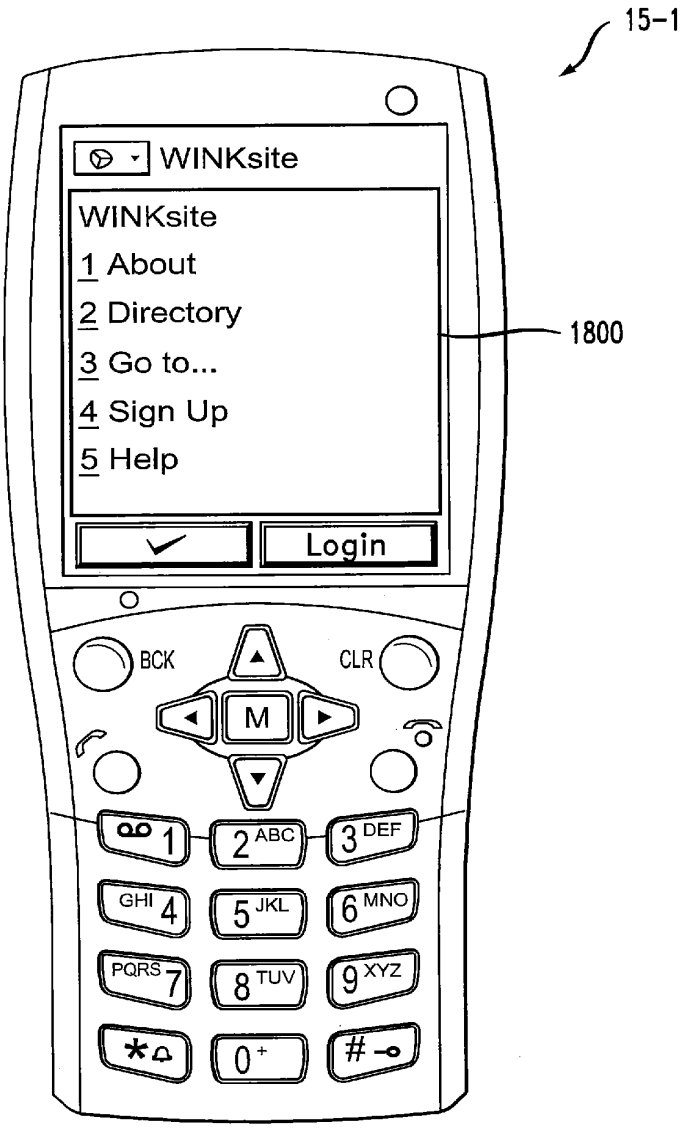

15-1
WINKsite
WINKsite
1 About
2 Directory
3 Go to...
4 Sign Up
5 Help
1800
Login
BCK
CLR
M
1
2 ABC
3 DEF
GHI 4
5 JKL
6 MNO
PQRS 7
8 TUV
9 XYZ
*
0 +
#

FIG. 19

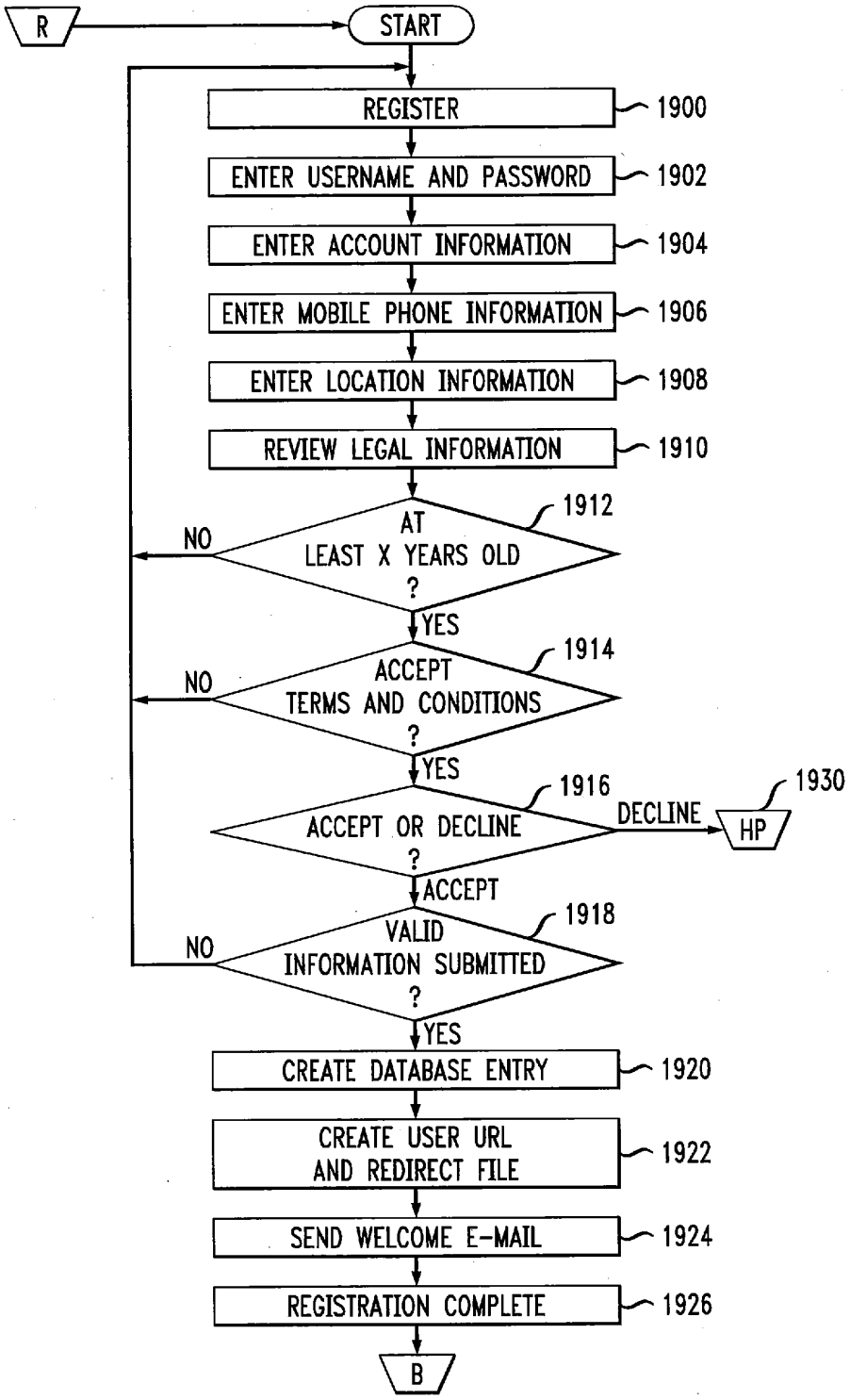

R
START
REGISTER
1900
ENTER USERNAME AND PASSWORD
1902
ENTER ACCOUNT INFORMATION
1904
ENTER MOBILE PHONE INFORMATION
1906
ENTER LOCATION INFORMATION
1908
REVIEW LEGAL INFORMATION
1910
AT LEAST X YEARS OLD ?
1912
NO
YES
ACCEPT TERMS AND CONDITIONS ?
1914
NO
YES
ACCEPT OR DECLINE ?
1916
DECLINE
1930
HP
ACCEPT
VALID INFORMATION SUBMITTED ?
1918
NO
YES
CREATE DATABASE ENTRY
1920
CREATE USER URL AND REDIRECT FILE
1922
SEND WELCOME E-MAIL
1924
REGISTRATION COMPLETE
1926
B

FIG. 20

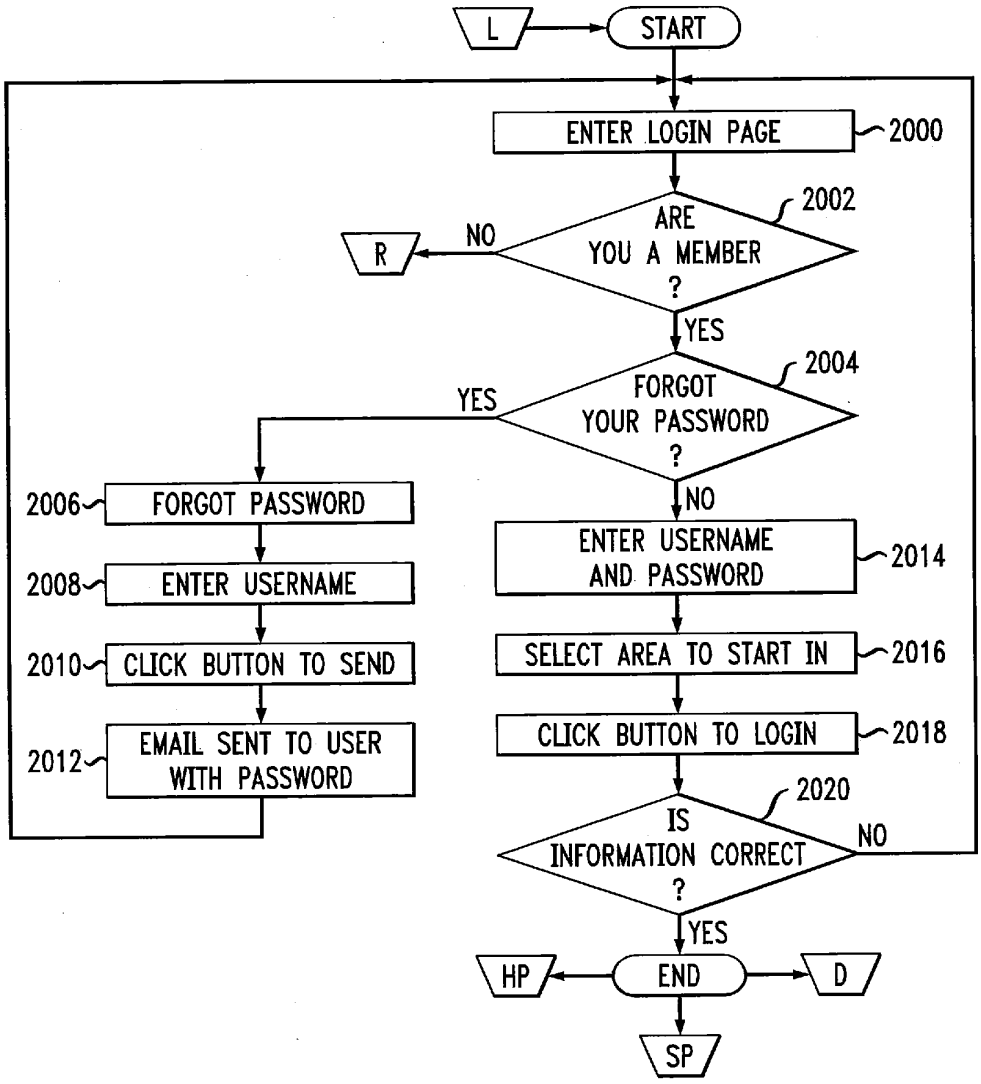

L
START
ENTER LOGIN PAGE
2000
ARE YOU A MEMBER ?
2002
NO
R
YES
FORGOT YOUR PASSWORD ?
2004
YES
NO
2006
FORGOT PASSWORD
2008
ENTER USERNAME
2010
CLICK BUTTON TO SEND
2012
EMAIL SENT TO USER WITH PASSWORD
ENTER USERNAME AND PASSWORD
2014
SELECT AREA TO START IN
2016
CLICK BUTTON TO LOGIN
2018
IS INFORMATION CORRECT ?
2020
NO
YES
HP
END
D
SP

FIG. 21

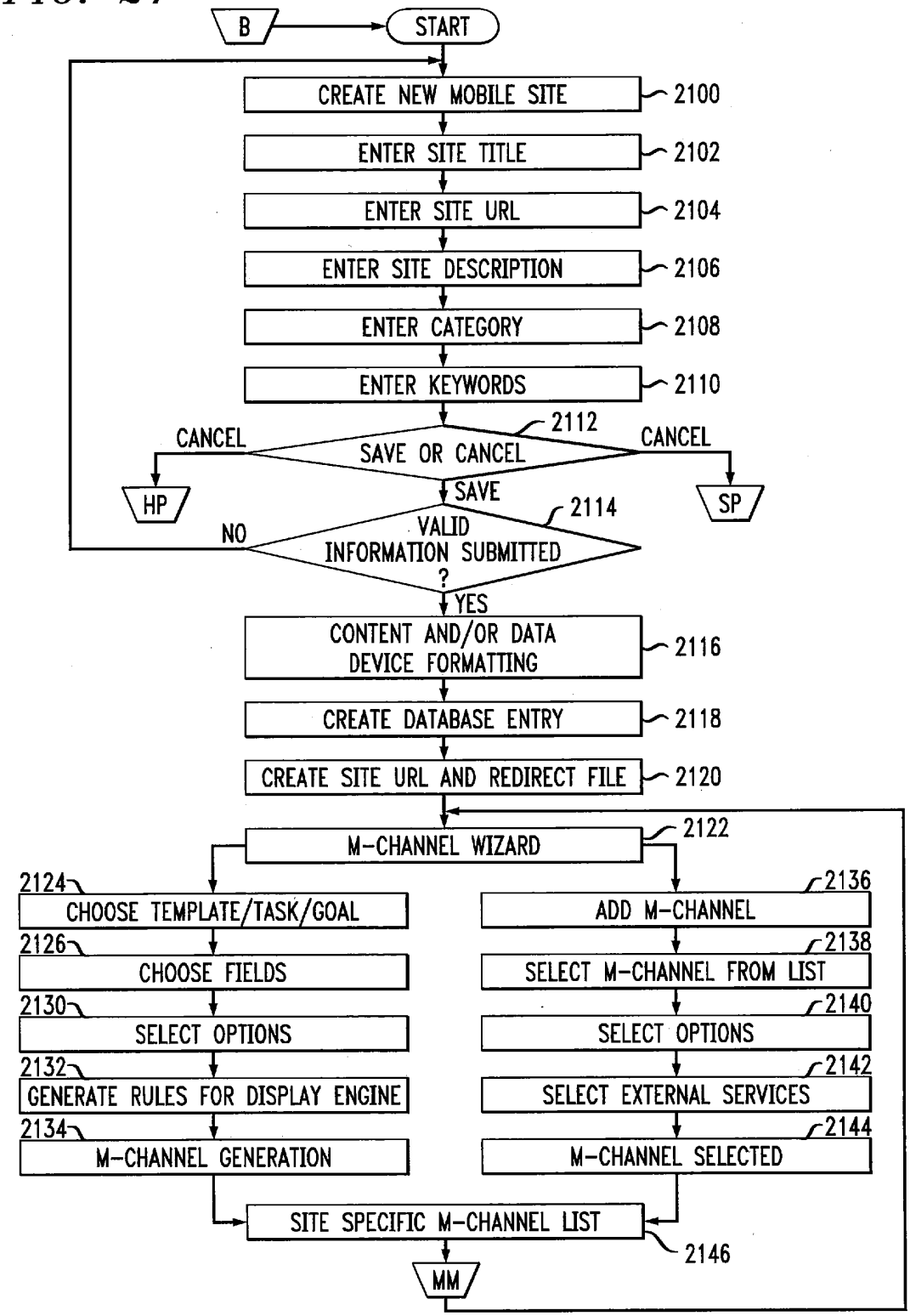

B
START
CREATE NEW MOBILE SITE
2100
ENTER SITE TITLE
2102
ENTER SITE URL
2104
ENTER SITE DESCRIPTION
2106
ENTER CATEGORY
2108
ENTER KEYWORDS
2110
2112
CANCEL
SAVE OR CANCEL
CANCEL
HP
SAVE
SP
2114
NO
VALID INFORMATION SUBMITTED ?
YES
CONTENT AND/OR DATA DEVICE FORMATTING
2116
CREATE DATABASE ENTRY
2118
CREATE SITE URL AND REDIRECT FILE
2120
M-CHANNEL WIZARD
2122
2124
CHOOSE TEMPLATE/TASK/GOAL
2126
CHOOSE FIELDS
2130
SELECT OPTIONS
2132
GENERATE RULES FOR DISPLAY ENGINE
2134
M-CHANNEL GENERATION
2136
ADD M-CHANNEL
2138
SELECT M-CHANNEL FROM LIST
2140
SELECT OPTIONS
2142
SELECT EXTERNAL SERVICES
2144
M-CHANNEL SELECTED
SITE SPECIFIC M-CHANNEL LIST
2146
MM

FIG. 22

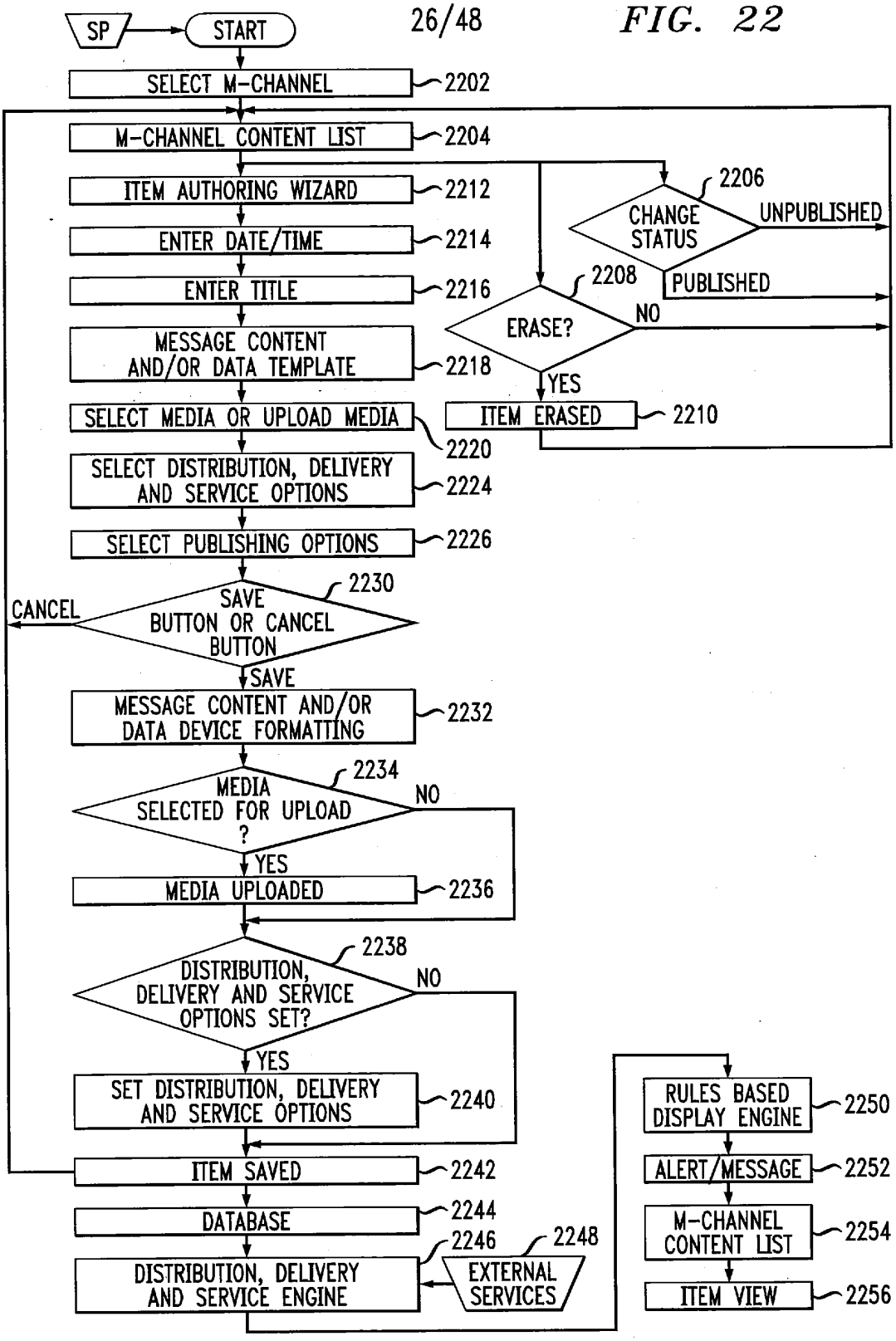

SP
START
SELECT M-CHANNEL
2202
M-CHANNEL CONTENT LIST
2204
ITEM AUTHORING WIZARD
2212
ENTER DATE/TIME
2214
ENTER TITLE
2216
MESSAGE CONTENT AND/OR DATA TEMPLATE
2218
SELECT MEDIA OR UPLOAD MEDIA
2220
SELECT DISTRIBUTION, DELIVERY AND SERVICE OPTIONS
2224
SELECT PUBLISHING OPTIONS
2226
SAVE BUTTON OR CANCEL BUTTON
2230
CANCEL
SAVE
MESSAGE CONTENT AND/OR DATA DEVICE FORMATTING
2232
MEDIA SELECTED FOR UPLOAD ?
2234
NO
YES
MEDIA UPLOADED
2236
DISTRIBUTION, DELIVERY AND SERVICE OPTIONS SET?
2238
NO
YES
SET DISTRIBUTION, DELIVERY AND SERVICE OPTIONS
2240
ITEM SAVED
2242
DATABASE
2244
DISTRIBUTION, DELIVERY AND SERVICE ENGINE
2246
EXTERNAL SERVICES
2248
CHANGE STATUS
2206
UNPUBLISHED
PUBLISHED
ERASE?
2208
NO
YES
ITEM ERASED
2210
RULES BASED DISPLAY ENGINE
2250
ALERT/MESSAGE
2252
M-CHANNEL CONTENT LIST
2254
ITEM VIEW
2256

FIG. 23

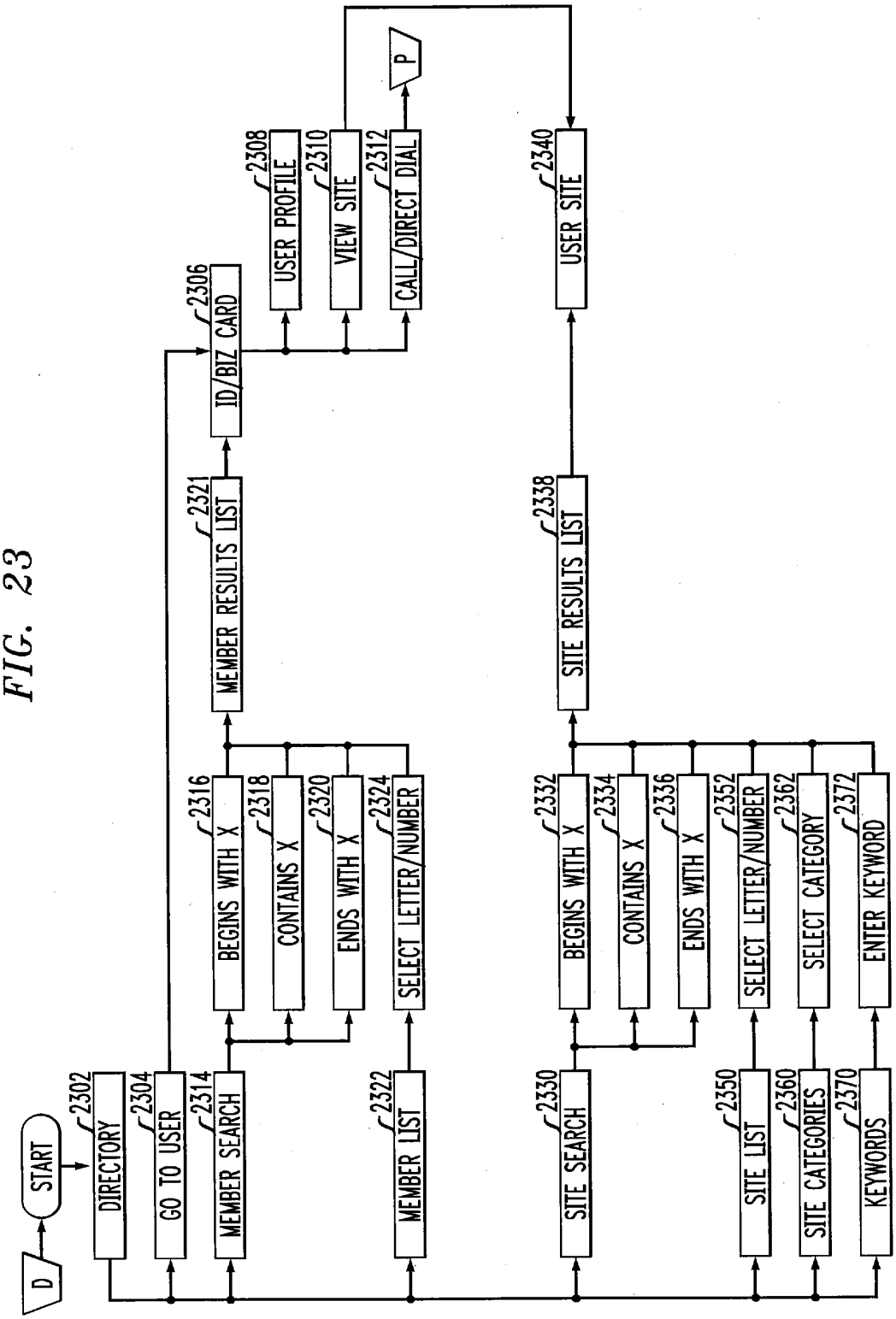
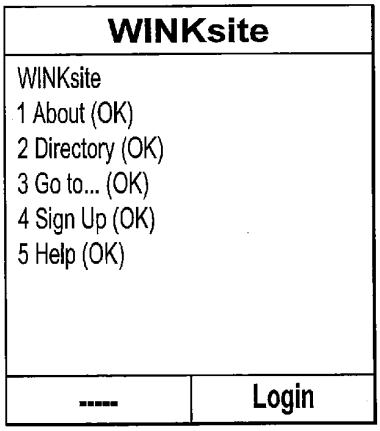
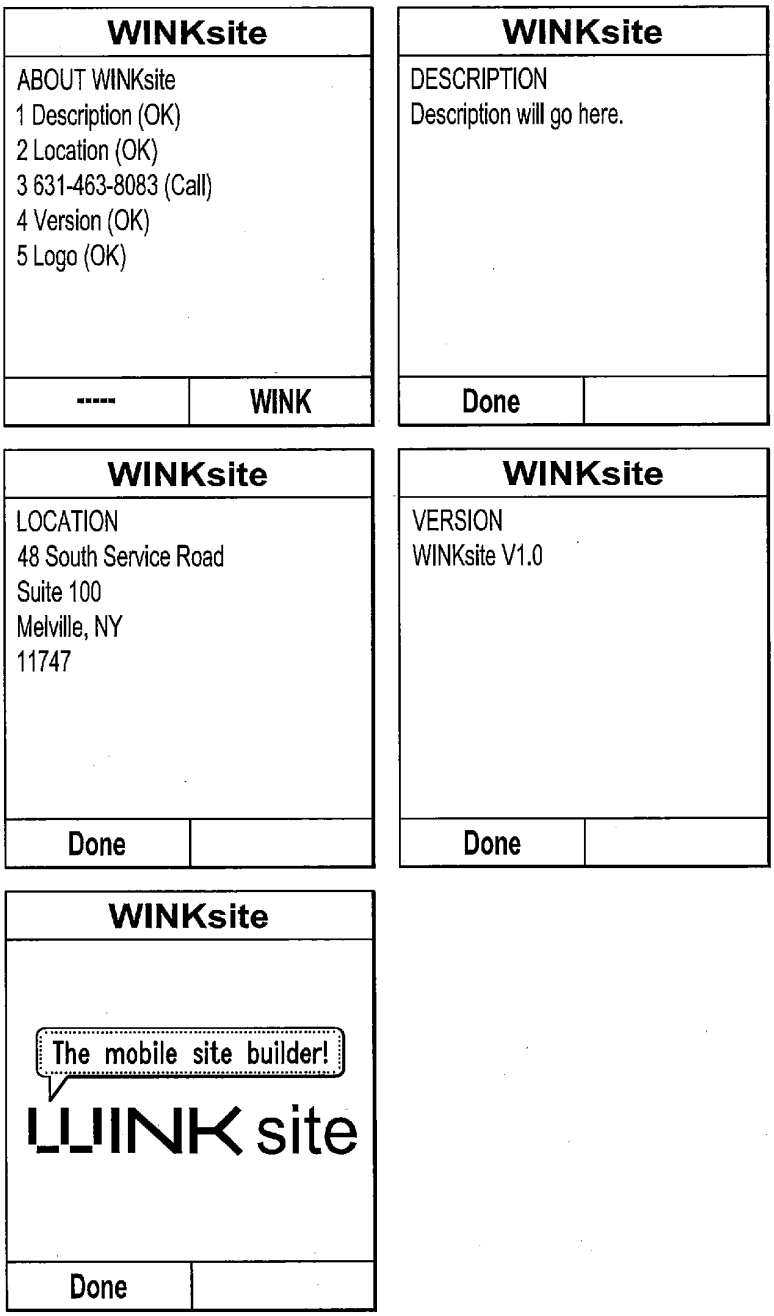

D
START
2302
DIRECTORY
2304
GO TO USER
2314
MEMBER SEARCH
2316
BEGINS WITH X
2318
CONTAINS X
2320
ENDS WITH X
2324
SELECT LETTER/NUMBER
2322
MEMBER LIST
2321
MEMBER RESULTS LIST
2306
ID/BIZ CARD
2308
USER PROFILE
2310
VIEW SITE
2312
CALL/DIRECT DIAL
P
2330
SITE SEARCH
2332
BEGINS WITH X
2334
CONTAINS X
2336
ENDS WITH X
2352
SELECT LETTER/NUMBER
2362
SELECT CATEGORY
2372
ENTER KEYWORD
2350
SITE LIST
2360
SITE CATEGORIES
2370
KEYWORDS
2338
SITE RESULTS LIST
2340
USER SITE

FIG. 24a


WINKsite
WINKsite
1 About (OK)
2 Directory (OK)
3 Go to... (OK)
4 Sign Up (OK)
5 Help (OK)

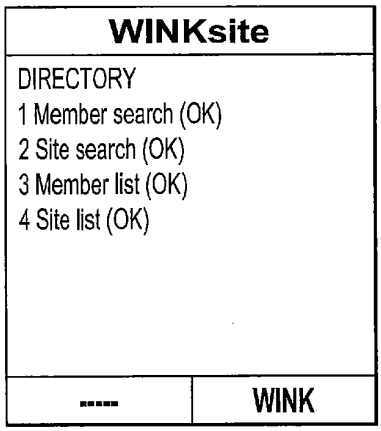
Login

FIG. 24b


WINKsite
ABOUT WINKsite
1 Description (OK)
2 Location (OK)
3 631-463-8083 (Call)
4 Version (OK)
5 Logo (OK)

WINK
WINKsite
DESCRIPTION
Description will go here.
Done
WINKsite
LOCATION
48 South Service Road
Suite 100
Melville, NY
11747
Done
WINKsite
VERSION
WINKsite V1.0
Done
WINKsite
The mobile site builder!
WINK site
Done

FIG. 24c


WINKsite
DIRECTORY
1 Member search (OK)
2 Site search (OK)
3 Member list (OK)
4 Site list (OK)

WINK

FIG. 24d

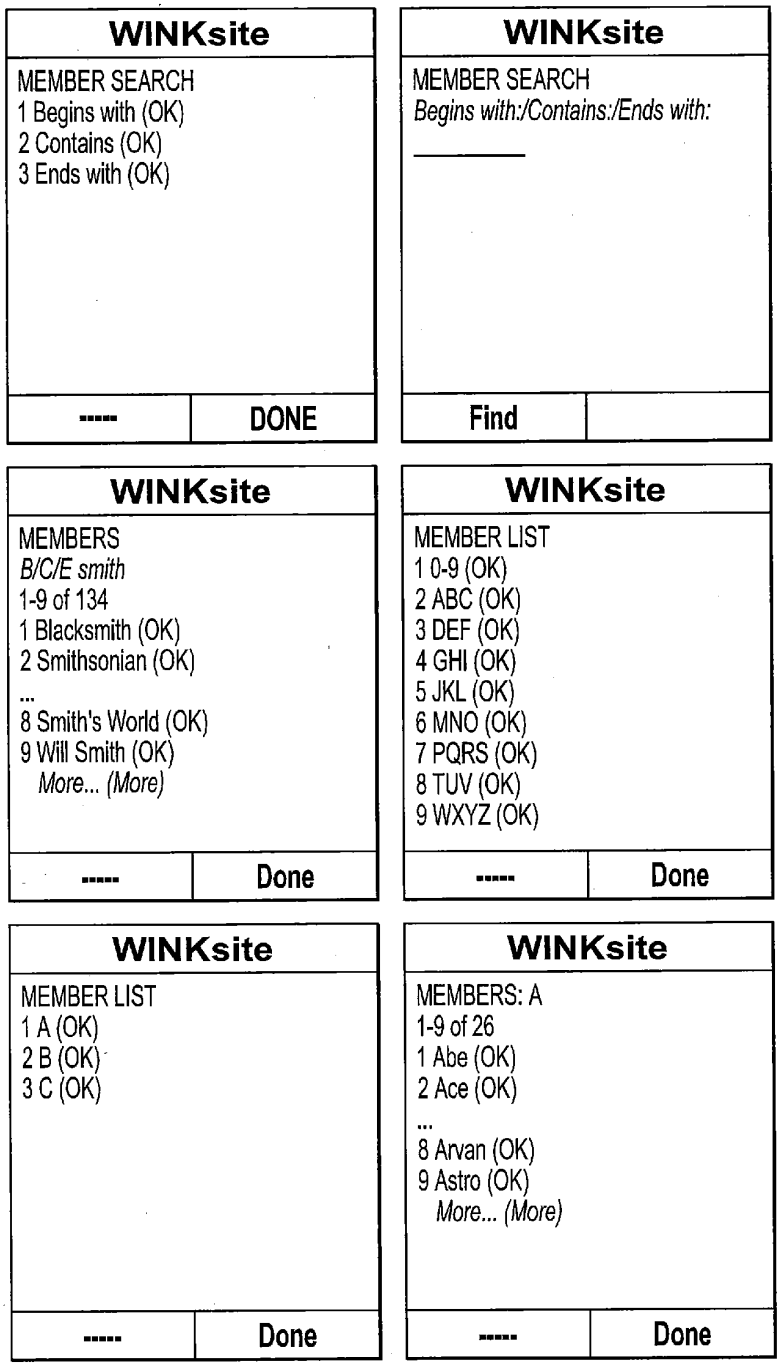

WINKsite
MEMBER SEARCH
1 Begins with (OK)
2 Contains (OK)
3 Ends with (OK)
----- DONE
WINKsite
MEMBER SEARCH
Begins with:/Contains:/Ends with:
Find
WINKsite
MEMBERS
B/C/E smith
1-9 of 134
1 Blacksmith (OK)
2 Smithsonian (OK)
...
8 Smith's World (OK)
9 Will Smith (OK)
More... (More)
----- Done
WINKsite
MEMBER LIST
1 0-9 (OK)
2 ABC (OK)
3 DEF (OK)
4 GHI (OK)
5 JKL (OK)
6 MNO (OK)
7 PQRS (OK)
8 TUV (OK)
9 WXYZ (OK)
----- Done
WINKsite
MEMBER LIST
1 A (OK)
2 B (OK)
3 C (OK)
----- Done
WINKsite
MEMBERS: A
1-9 of 26
1 Abe (OK)
2 Ace (OK)
...
8 Arvan (OK)
9 Astro (OK)
More... (More)
----- Done

FIG. 24e

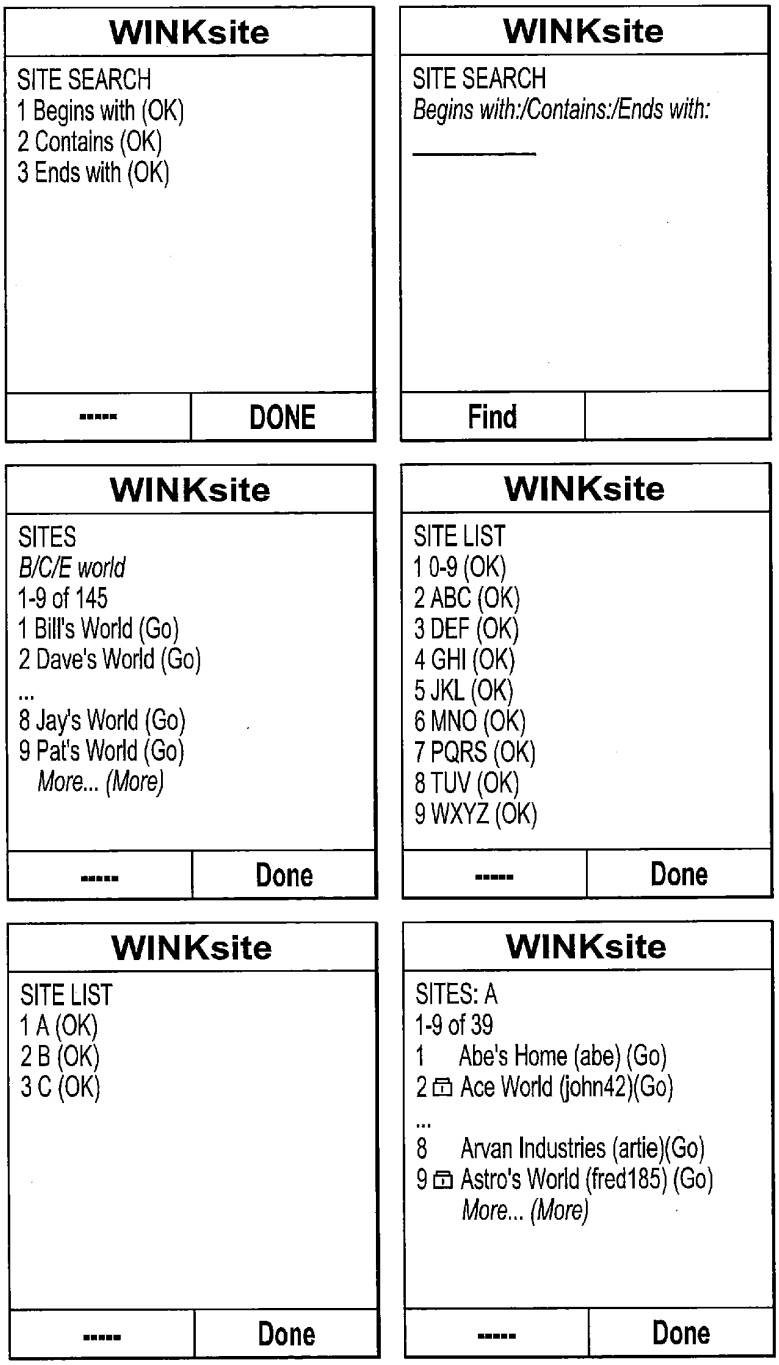

WINKsite
SITE SEARCH
1 Begins with (OK)
2 Contains (OK)
3 Ends with (OK)
----- DONE
WINKsite
SITE SEARCH
Begins with:/Contains:/Ends with:
Find
WINKsite
SITES
B/C/E world
1-9 of 145
1 Bill's World (Go)
2 Dave's World (Go)
...
8 Jay's World (Go)
9 Pat's World (Go)
More... (More)
----- Done
WINKsite
SITE LIST
1 0-9 (OK)
2 ABC (OK)
3 DEF (OK)
4 GHI (OK)
5 JKL (OK)
6 MNO (OK)
7 PQRS (OK)
8 TUV (OK)
9 WXYZ (OK)
----- Done
WINKsite
SITE LIST
1 A (OK)
2 B (OK)
3 C (OK)
----- Done
WINKsite
SITES: A
1-9 of 39
1 Abe's Home (abe) (Go)
2 Ace World (john42)(Go)
...
8 Arvan Industries (artie)(Go)
9 Astro's World (fred185) (Go)
More... (More)
----- Done

FIG. 24f

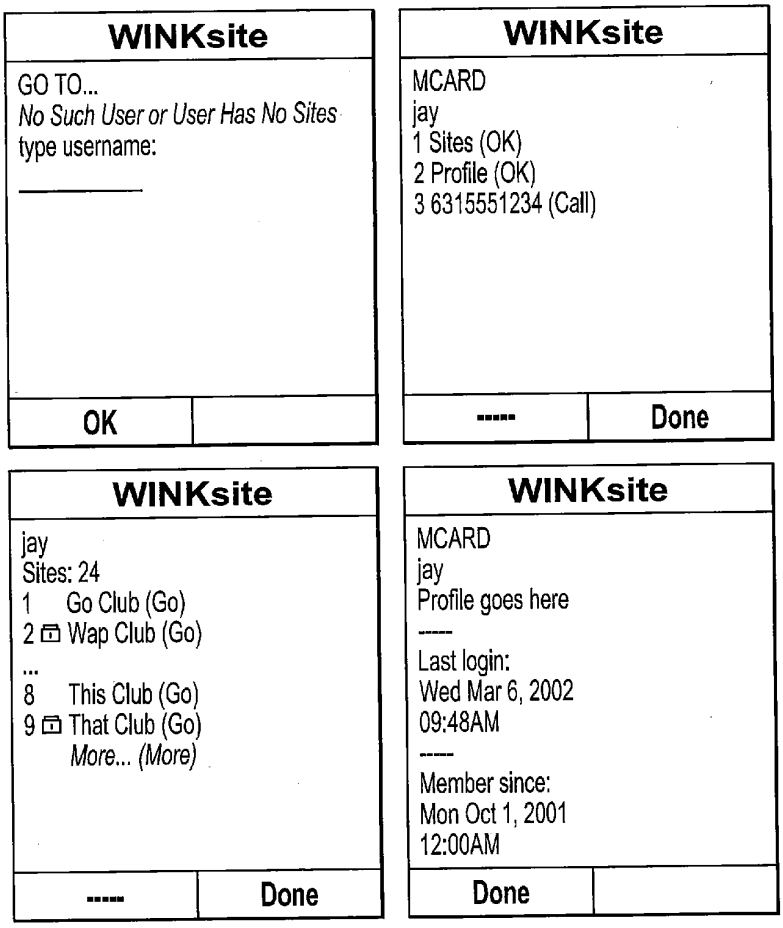


FIG. 24g

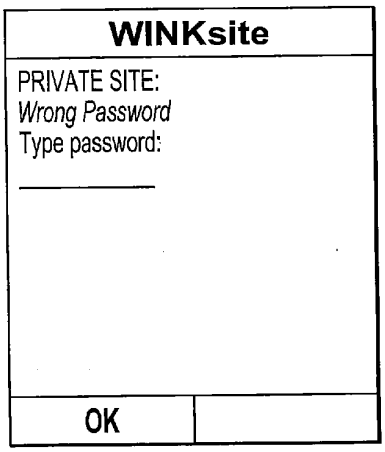


FIG. 25a

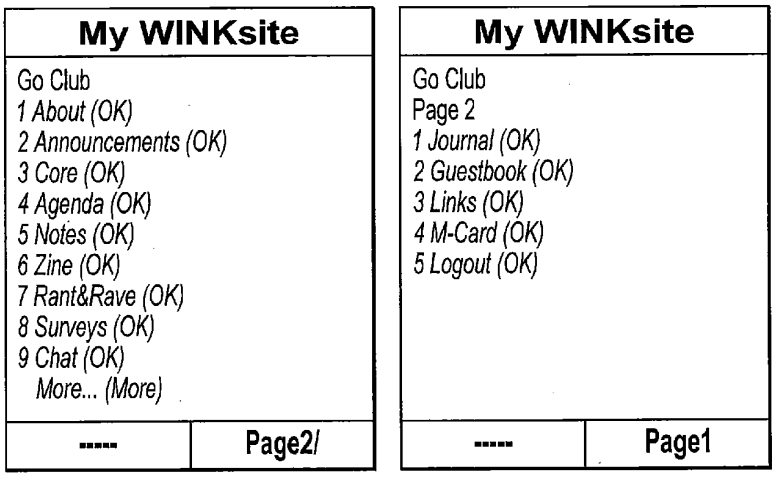


FIG. 25b

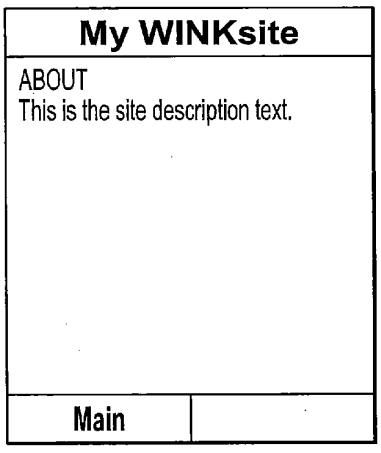


FIG. 25c

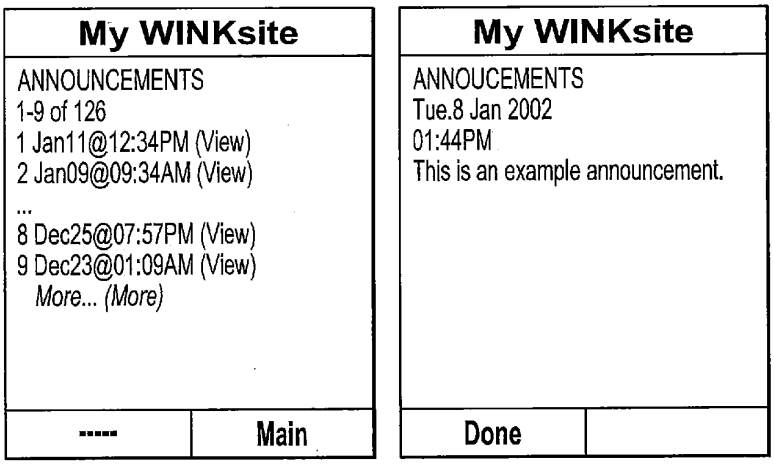


FIG. 25d

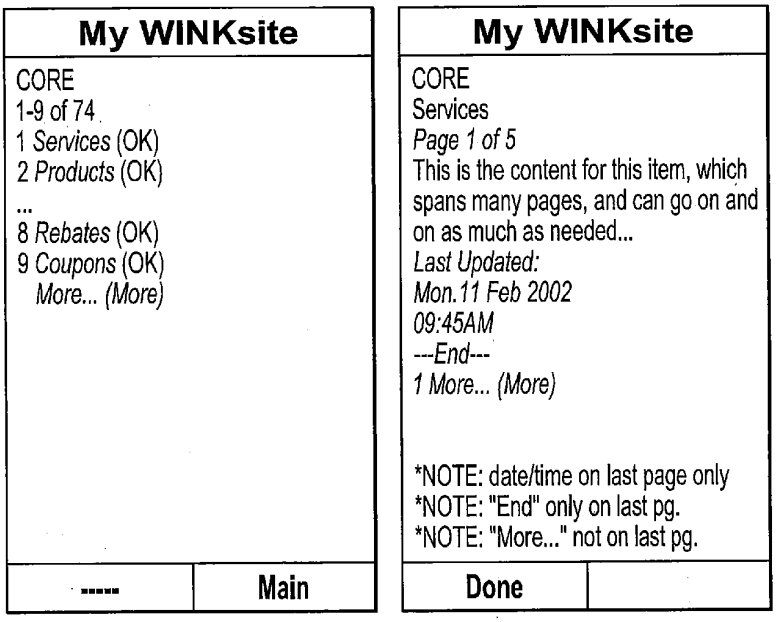
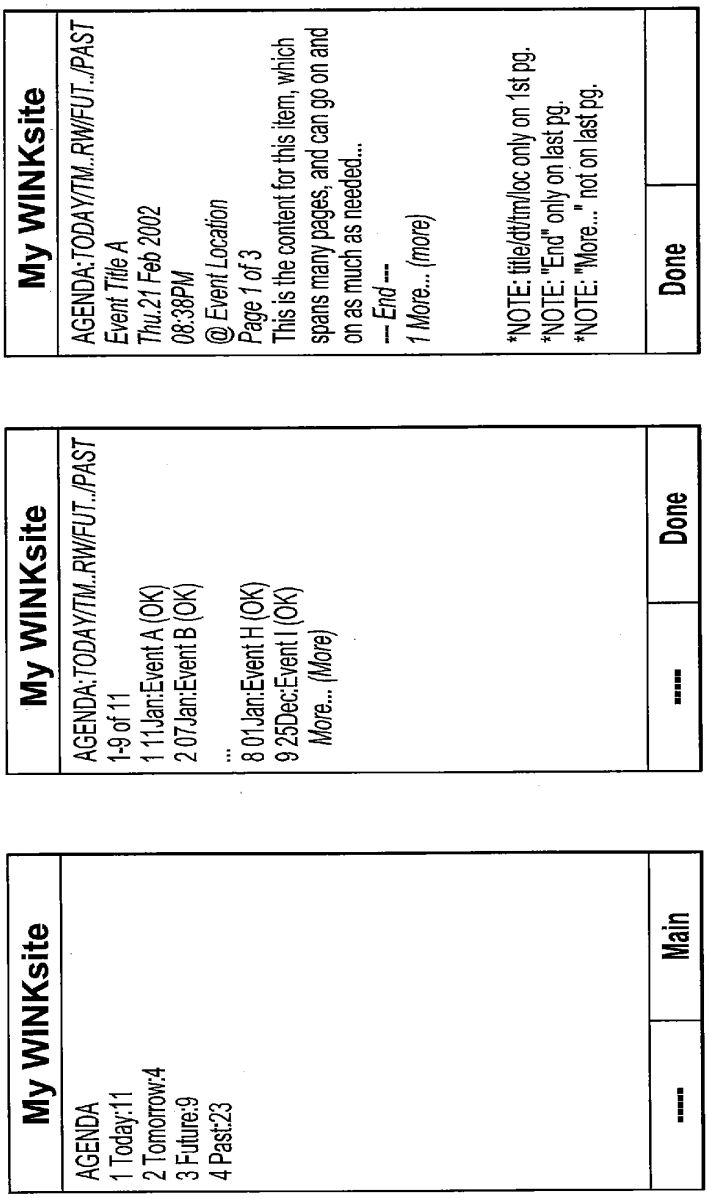


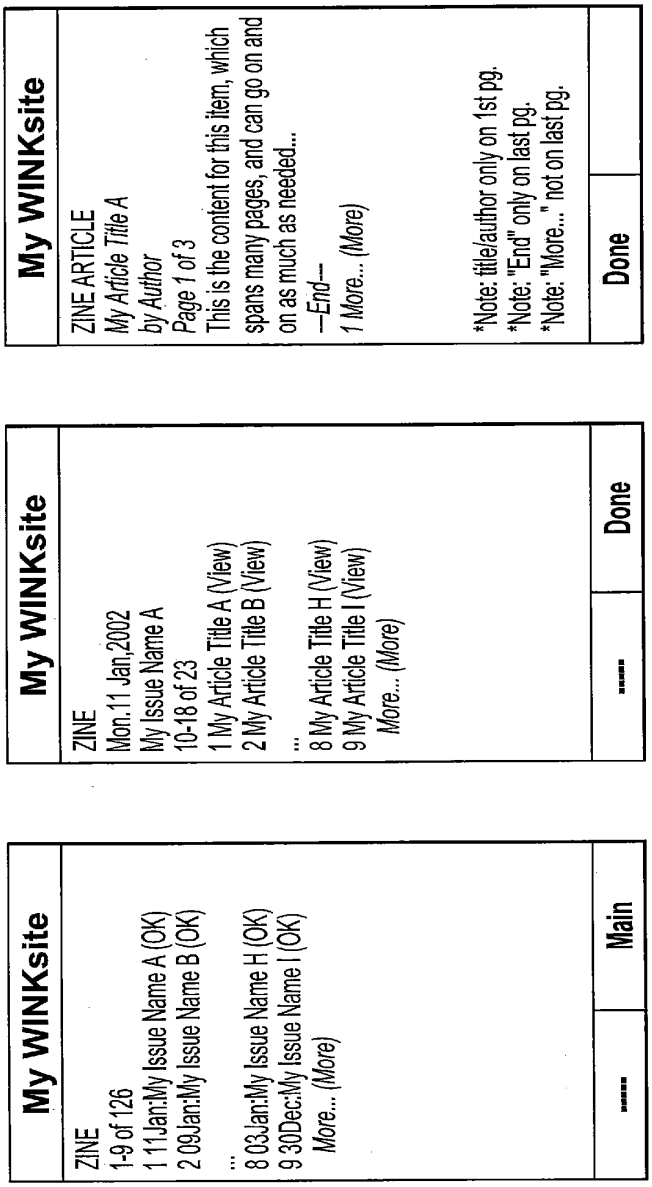
FIG. 25e


My WINKsite
AGENDA
1 Today:11
2 Tomorrow:4
3 Future:9
4 Past:23

Main
My WINKsite
AGENDA:TODAY/TM..RW/FUT../PAST
1-9 of 11
1 11Jan:Event A (OK)
2 07Jan:Event B (OK)
...
8 01Jan:Event H (OK)
9 25Dec:Event I (OK)
More... (More)

Done
My WINKsite
AGENDA:TODAY/TM..RW/FUT../PAST
Event Title A
Thu.21 Feb 2002
08:38PM
@ Event Location
Page 1 of 3
This is the content for this item, which spans many pages, and can go on and on as much as needed...
--- End ---
1 More... (more)
*NOTE: title/dt/tm/loc only on 1st pg.
*NOTE: "End" only on last pg.
*NOTE: "More..." not on last pg.
Done

FIG. 25f


My WINKsite
ZINE
1-9 of 126
1 11Jan:My Issue Name A (OK)
2 09Jan:My Issue Name B (OK)
...
8 03Jan:My Issue Name H (OK)
9 30Dec:My Issue Name I (OK)
More... (More)

Main
My WINKsite
ZINE
Mon.11 Jan,2002
My Issue Name A
10-18 of 23
1 My Article Title A (View)
2 My Article Title B (View)
...
8 My Article Title H (View)
9 My Article Title I (View)
More... (More)

Done
My WINKsite
ZINE ARTICLE
My Article Title A
by Author
Page 1 of 3
This is the content for this item, which spans many pages, and can go on and on as much as needed...
—End—
1 More... (More)
*Note: title/author only on 1st pg.
*Note: "End" only on last pg.
*Note: "More..." not on last pg.
Done

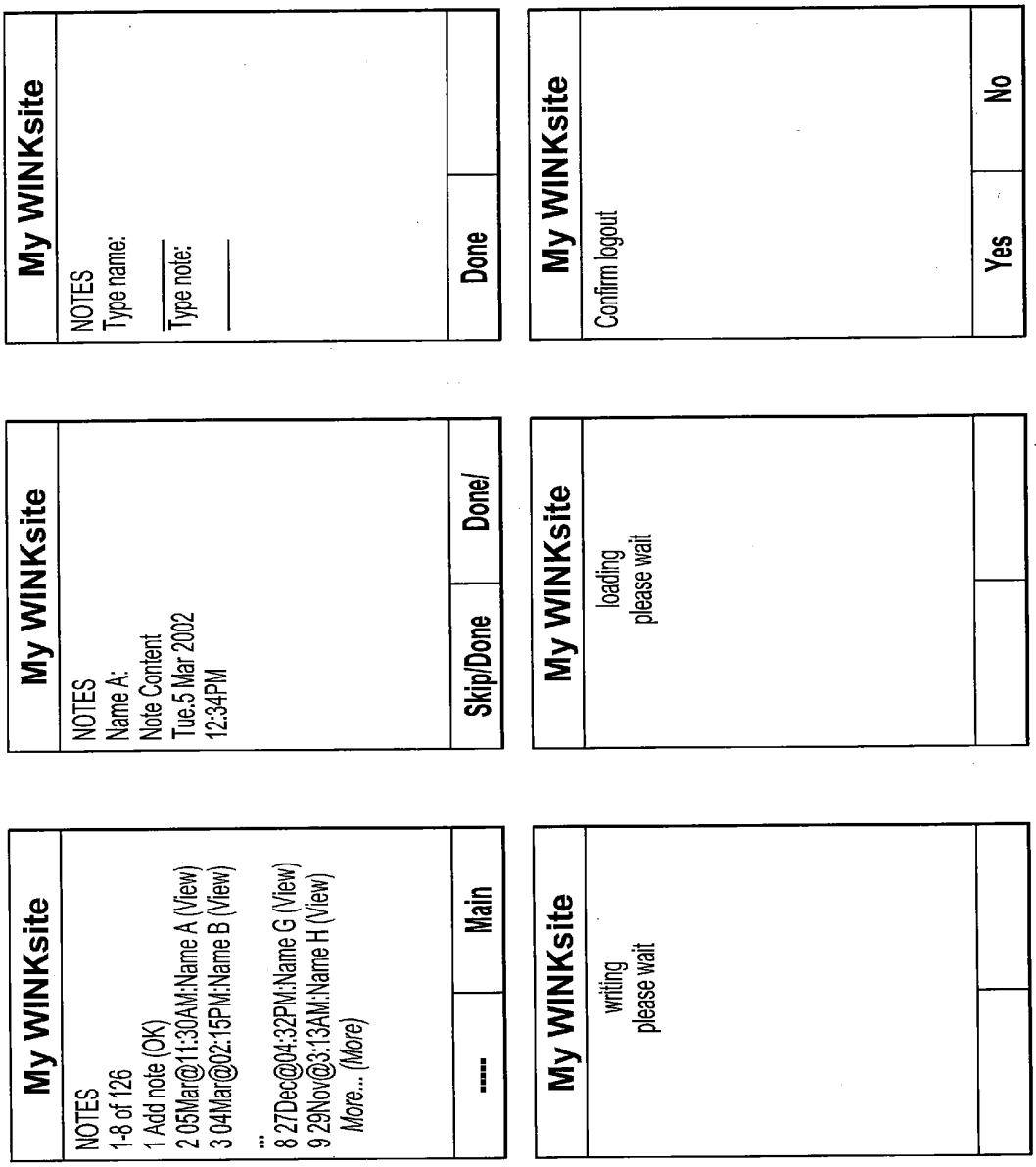
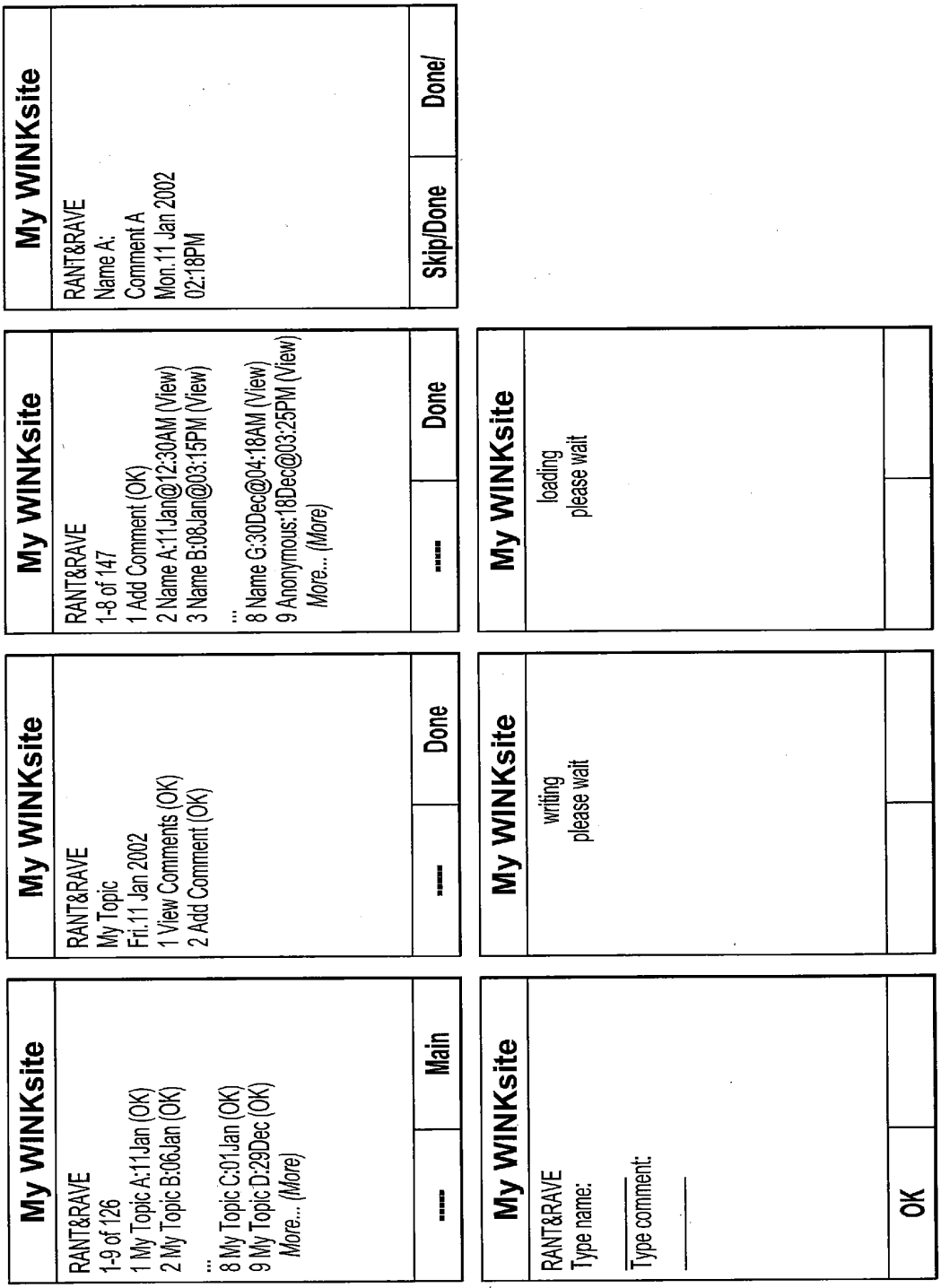

My WINKsite
NOTES
1-8 of 126
1 Add note (OK)
2 05Mar@11:30AM:Name A (View)
3 04Mar@02:15PM:Name B (View)
...
8 27Dec@04:32PM:Name G (View)
9 29Nov@3:13AM:Name H (View)
More... (More)
---- Main
My WINKsite
writing
please wait
My WINKsite
NOTES
Name A:
Note Content
Tue.5 Mar 2002
12:34PM
Skip/Done Done/
My WINKsite
loading
please wait
My WINKsite
NOTES
Type name:
Type note:
Done
My WINKsite
Confirm logout
Yes No

FIG. 25g

FIG. 25h


My WINKsite
RANT&RAVE
1-9 of 126
1 My Topic A:11Jan (OK)
2 My Topic B:06Jan (OK)
...
8 My Topic C:01Jan (OK)
9 My Topic D:29Dec (OK)
More... (More)

Main
My WINKsite
RANT&RAVE
My Topic
Fri.11 Jan 2002
1 View Comments (OK)
2 Add Comment (OK)

Done
My WINKsite
RANT&RAVE
1-8 of 147
1 Add Comment (OK)
2 Name A:11Jan@12:30AM (View)
3 Name B:08Jan@03:15PM (View)
...
8 Name G:30Dec@04:18AM (View)
9 Anonymous:18Dec@03:25PM (View)
More... (More)

Done
My WINKsite
RANT&RAVE
Name A:
Comment A
Mon.11 Jan 2002
02:18PM
Skip/Done
Done/
My WINKsite
RANT&RAVE
Type name:
Type comment:
OK
My WINKsite
writing
please wait
My WINKsite
loading
please wait

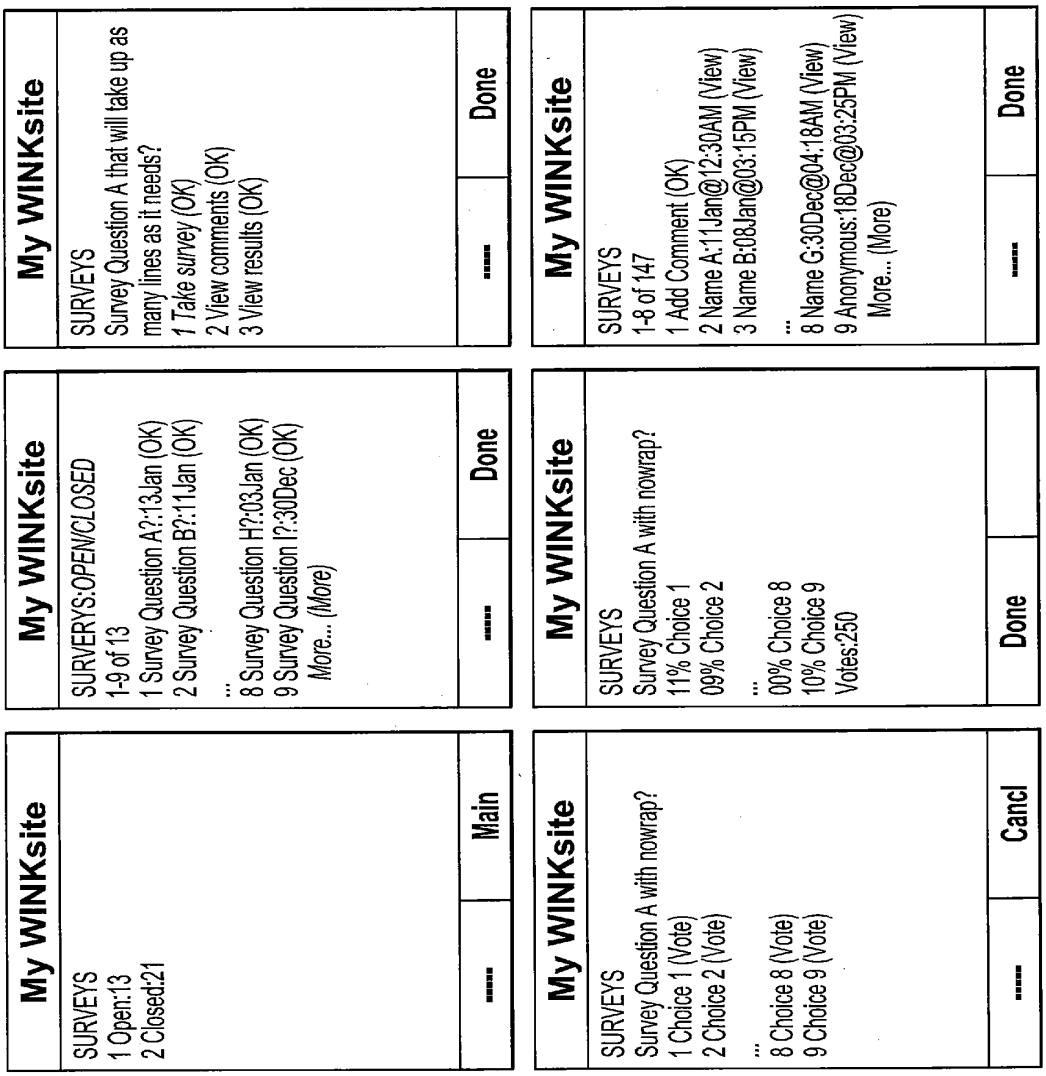
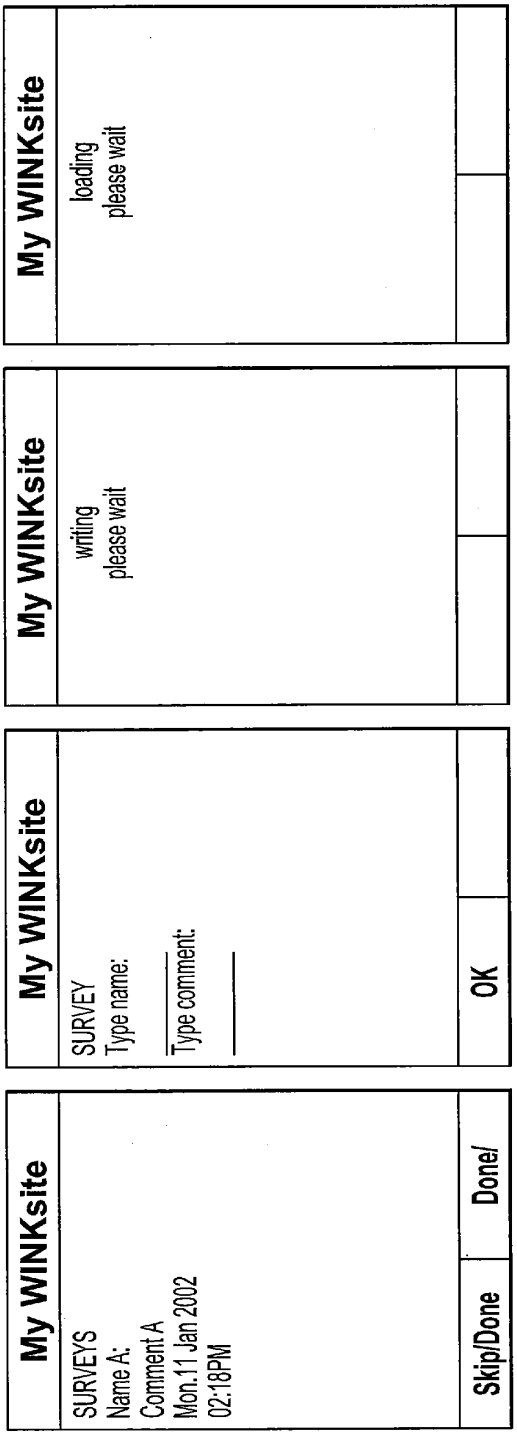
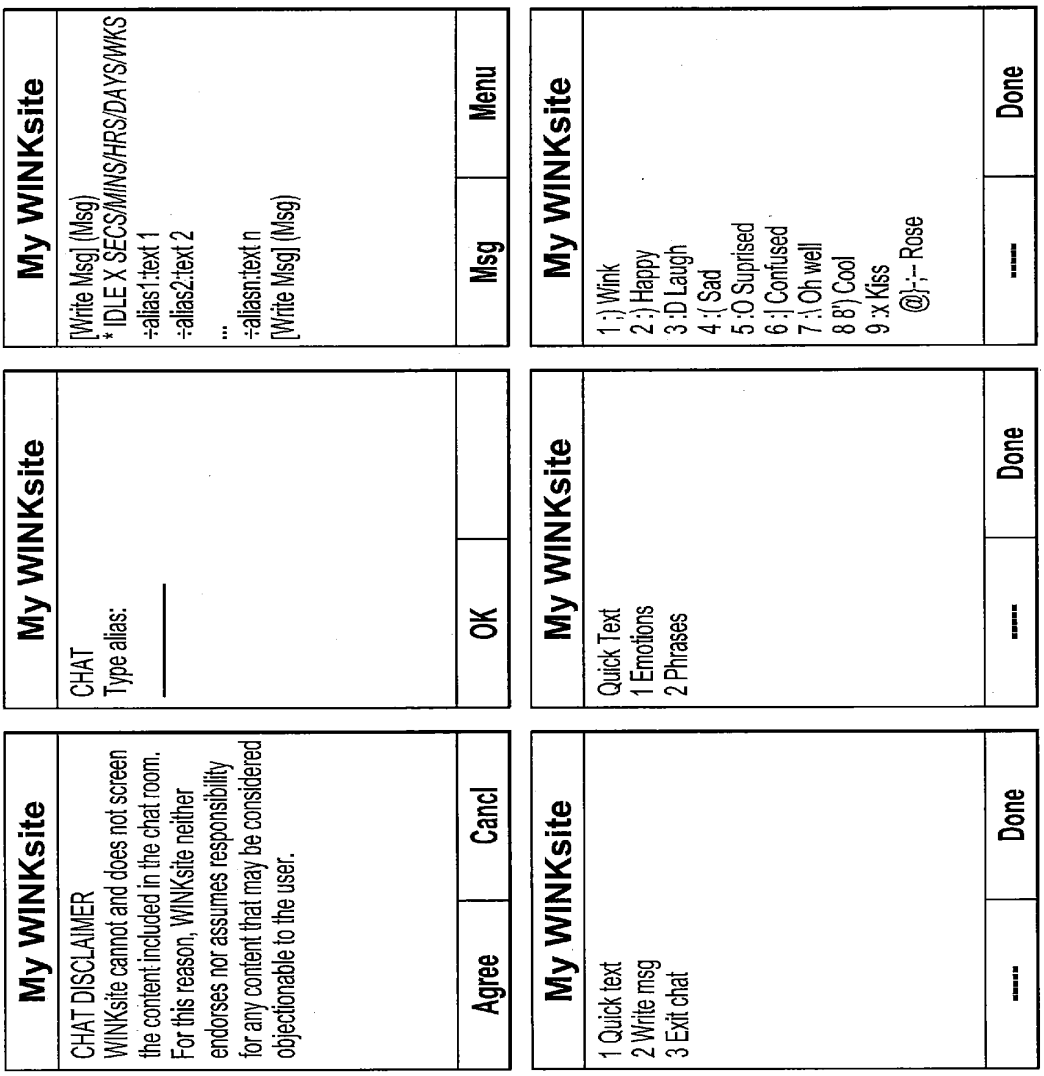

My WINKsite
SURVEYS
1 Open:13
2 Closed:21
---- Main
My WINKsite
SURVERYS:OPEN/CLOSED
1-9 of 13
1 Survey Question A?:13Jan (OK)
2 Survey Question B?:11Jan (OK)
...
8 Survey Question H?:03Jan (OK)
9 Survey Question I?:30Dec (OK)
More... (More)
---- Done
My WINKsite
SURVEYS
Survey Question A that will take up as many lines as it needs?
1 Take survey (OK)
2 View comments (OK)
3 View results (OK)
---- Done
My WINKsite
SURVEYS
Survey Question A with nowrap?
1 Choice 1 (Vote)
2 Choice 2 (Vote)
...
8 Choice 8 (Vote)
9 Choice 9 (Vote)
---- Cancl
My WINKsite
SURVEYS
Survey Question A with nowrap?
11% Choice 1
09% Choice 2
...
00% Choice 8
10% Choice 9
Votes:250
Done
My WINKsite
SURVEYS
1-8 of 147
1 Add Comment (OK)
2 Name A:11Jan@12:30AM (View)
3 Name B:08Jan@03:15PM (View)
...
8 Name G:30Dec@04:18AM (View)
9 Anonymous:18Dec@03:25PM (View)
More... (More)
---- Done

FIG. 25i

FIG. 25i cont.


My WINKsite
SURVEYS
Name A:
Comment A
Mon.11 Jan 2002
02:18PM
Skip/Done
Done/
My WINKsite
SURVEY
Type name:
Type comment:
OK
My WINKsite
writing
please wait
My WINKsite
loading
please wait


My WINKsite
CHAT DISCLAIMER
WINKsite cannot and does not screen the content included in the chat room. For this reason, WINKsite neither endorses nor assumes responsibility for any content that may be considered objectionable to the user.
Agree
Cancl
My WINKsite
CHAT
Type alias:
OK
My WINKsite
[Write Msg] (Msg)
* IDLE X SECS/MINS/HRS/DAYS/WKS
÷alias1:text 1
÷alias2:text 2
...
÷aliasn:text n
[Write Msg] (Msg)
Msg
Menu
My WINKsite
1 Quick text
2 Write msg
3 Exit chat

Done
My WINKsite
Quick Text
1 Emotions
2 Phrases

Done
My WINKsite
1 ;) Wink
2 :) Happy
3 :D Laugh
4 :(Sad
5 :O Suprised
6 :| Confused
7 :\ Oh well
8 8) Cool
9 :x Kiss
@);-- Rose

Done

FIG. 25j

FIG. 25j cont.

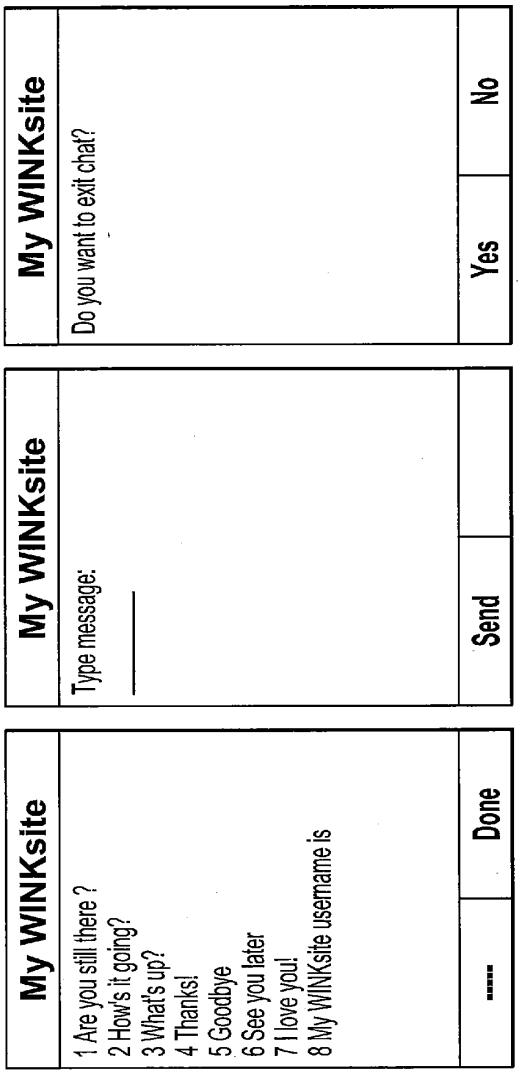
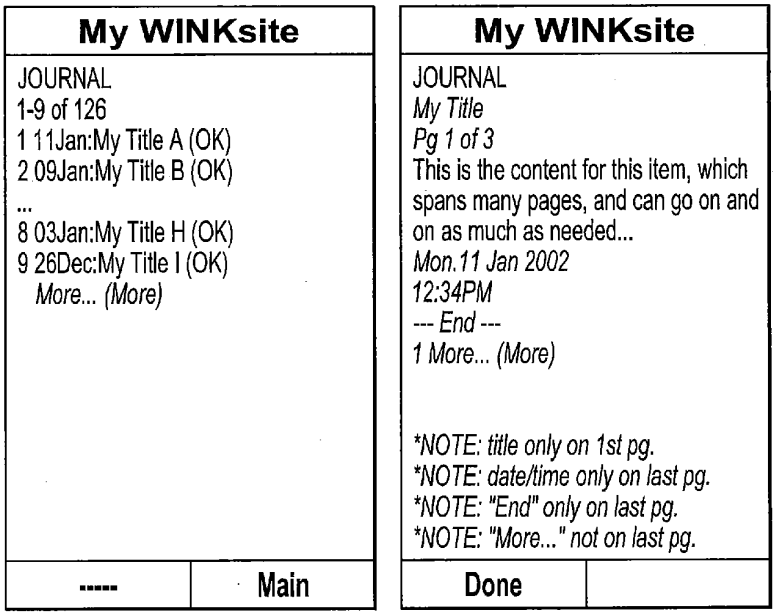
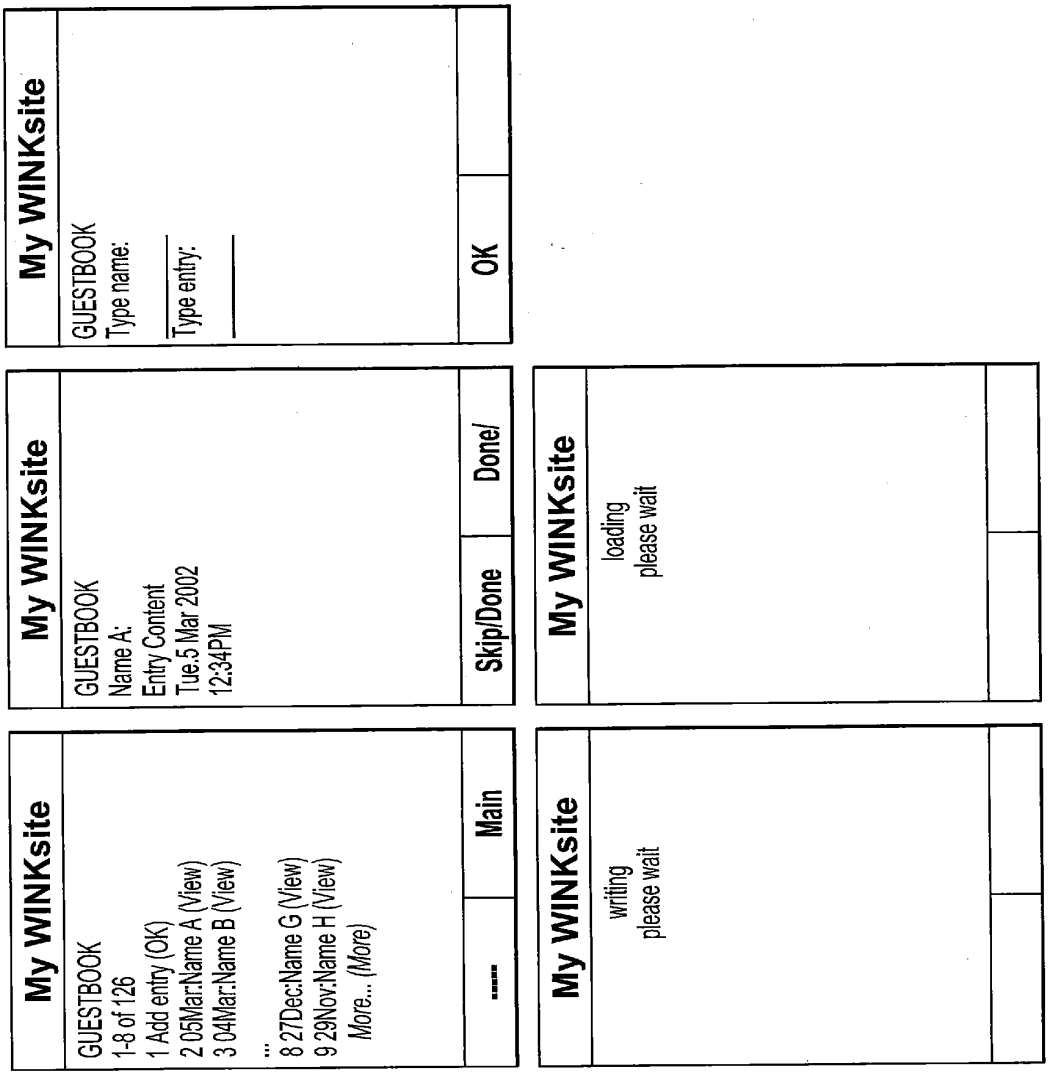

My WINKsite
1 Are you still there ?
2 How's it going?
3 What's up?
4 Thanks!
5 Goodbye
6 See you later
7 I love you!
8 My WINKsite username is
Done
My WINKsite
Type message:
Send
My WINKsite
Do you want to exit chat?
Yes
No

FIG. 25k


My WINKsite
JOURNAL
1-9 of 126
1 11Jan:My Title A (OK)
2 09Jan:My Title B (OK)
...
8 03Jan:My Title H (OK)
9 26Dec:My Title I (OK)
More... (More)

Main
My WINKsite
JOURNAL
My Title
Pg 1 of 3
This is the content for this item, which spans many pages, and can go on and on as much as needed...
Mon.11 Jan 2002
12:34PM
--- End ---
1 More... (More)
*NOTE: title only on 1st pg.
*NOTE: date/time only on last pg.
*NOTE: "End" only on last pg.
*NOTE: "More..." not on last pg.
Done


My WINKsite
GUESTBOOK
1-8 of 126
1 Add entry (OK)
2 05Mar:Name A (View)
3 04Mar:Name B (View)
...
8 27Dec:Name G (View)
9 29Nov:Name H (View)
More... (More)

Main
My WINKsite
GUESTBOOK
Name A:
Entry Content
Tue.5 Mar 2002
12:34PM
Skip/Done
Done/
My WINKsite
GUESTBOOK
Type name:
Type entry:
OK
My WINKsite
writing
please wait
My WINKsite
loading
please wait

FIG. 25l

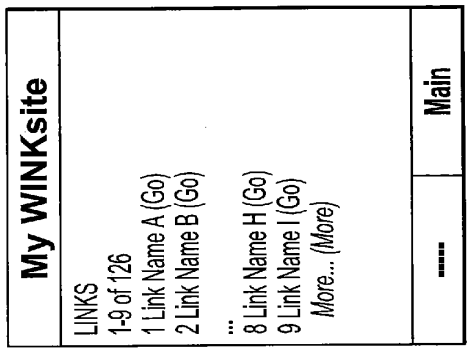


FIG. 25m

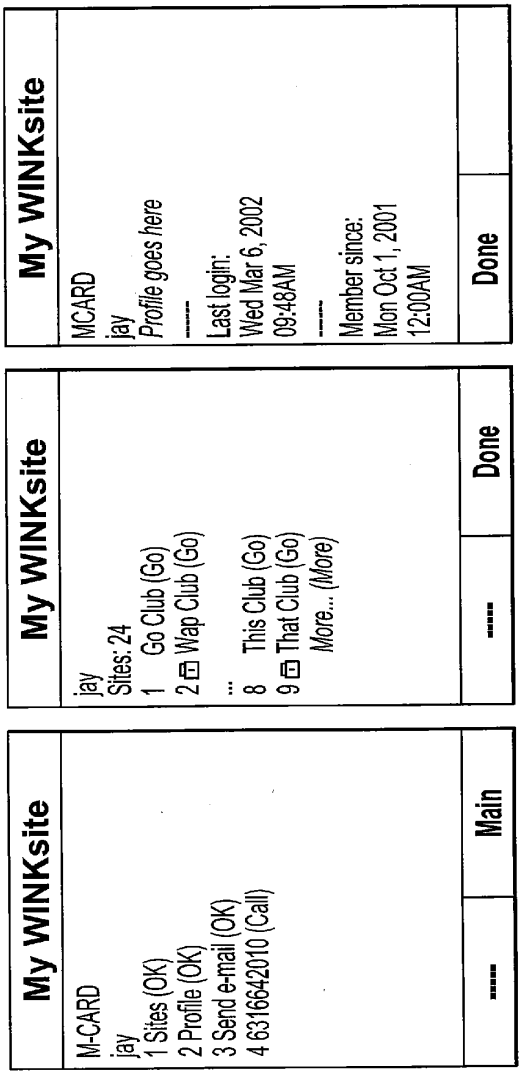


FIG. 25m

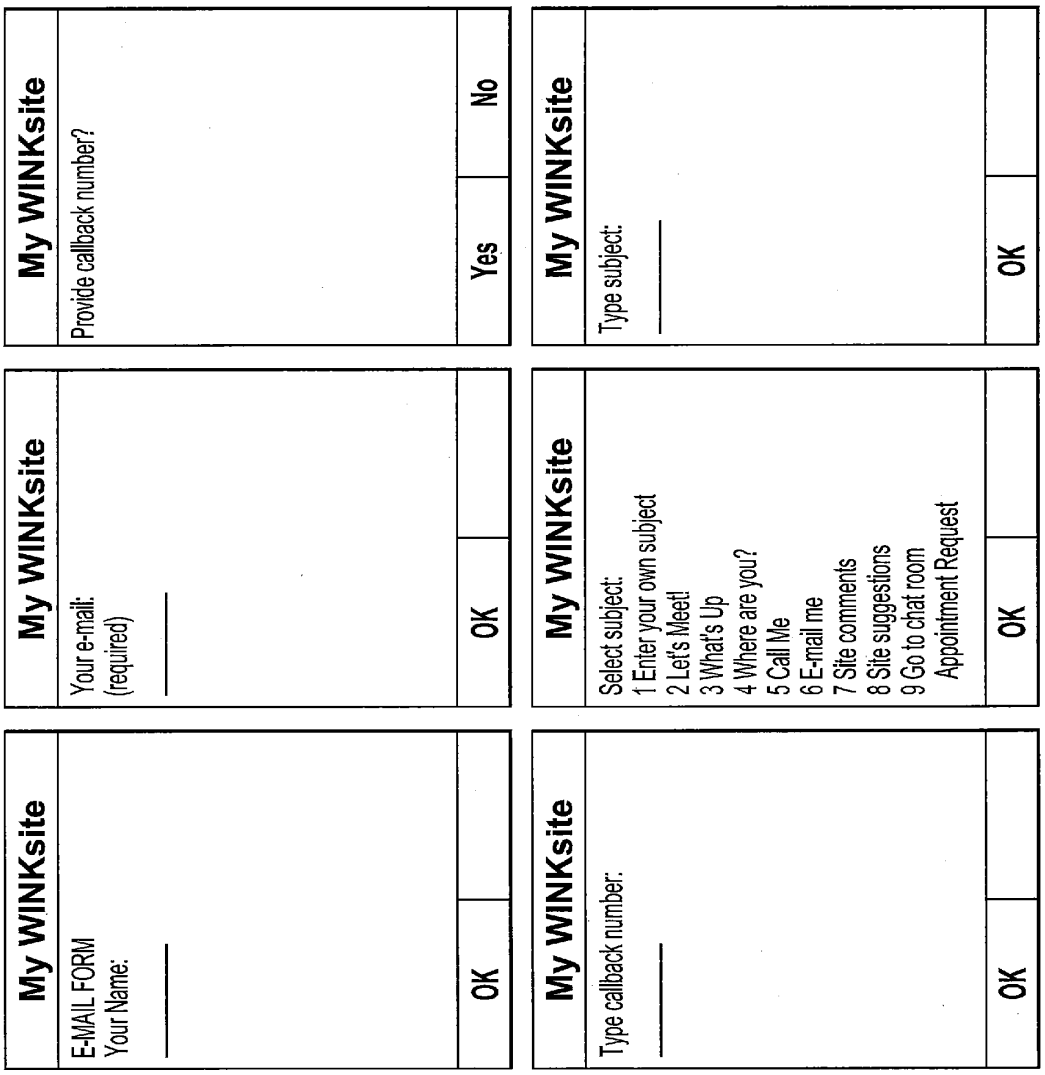
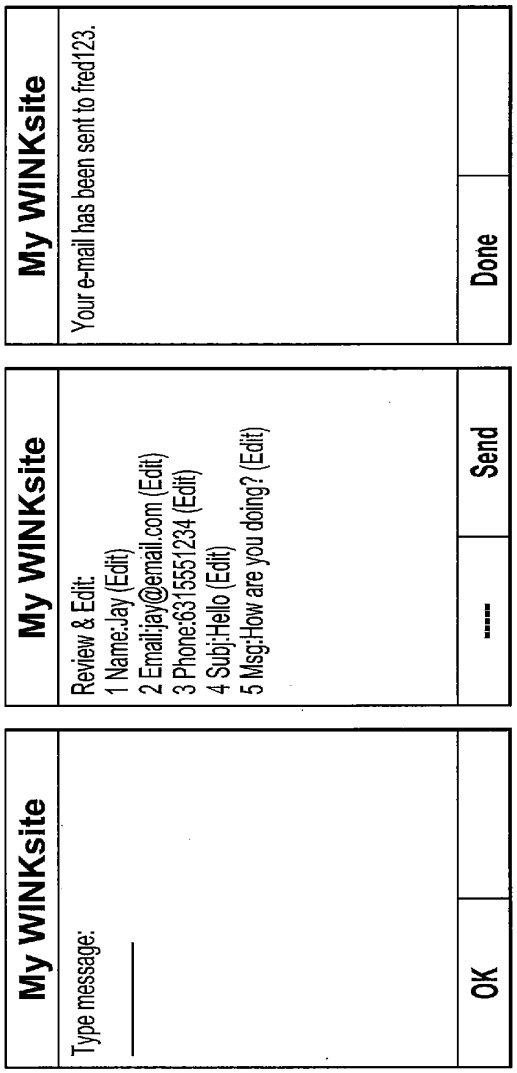

My WINKsite
E-MAIL FORM
Your Name:
OK
My WINKsite
Your e-mail:
(required)
OK
My WINKsite
Provide callback number?
Yes
No
My WINKsite
Type callback number:
OK
My WINKsite
Select subject:
1 Enter your own subject
2 Let's Meet!
3 What's Up
4 Where are you?
5 Call Me
6 E-mail me
7 Site comments
8 Site suggestions
9 Go to chat room
Appointment Request
OK
My WINKsite
Type subject:
OK

FIG. 25o

FIG. 25o cont.


My WINKsite
Type message:
OK
My WINKsite
Review & Edit:
1 Name:Jay (Edit)
2 Email:jay@email.com (Edit)
3 Phone:6315551234 (Edit)
4 Subj:Hello (Edit)
5 Msg:How are you doing? (Edit)

Send
My WINKsite
Your e-mail has been sent to fred123.
Done

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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
15/448,064	03/02/2017	2414	730	1018-2 CON7	20	3

CONFIRMATION NO. 9817

FILING RECEIPT

31825
RYAN, MASON & LEWIS, LLP
48 South Service Road
Suite 100
Melville, NY 11747



Date Mailed: 03/14/2017

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**

Inventor(s)

David Walker Harper, Bay Shore, NY;
Jason James Sabella, Coram, NY;
William Henry Munch, Tampa, FL;

Applicant(s)

Engagelogic Corporation, Smithtown, NY;

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CON of 14/324,698 07/07/2014
which is a CON of 14/175,768 02/07/2014 PAT 8825801
which is a CON of 13/364,950 02/02/2012 PAT 8793336
which is a CON of 13/027,519 02/15/2011 PAT 8135801
which is a CON of 12/548,928 08/27/2009 PAT 7908342
which is a CON of 10/464,526 06/18/2003 PAT 7599983
which claims benefit of 60/389,430 06/18/2002

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: No

Permission to Access Search Results: No

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 03/09/2017
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/448,064**
Projected Publication Date: 06/22/2017
Non-Publication Request: No
Early Publication Request: No
**** SMALL ENTITY ****
Title

METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS

Preliminary Class

370

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

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 (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

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

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop

technology, manufacture products, deliver services, and grow your business, visit http://www.SelectUSA.gov or call +1-202-482-6800.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 15/448,064

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	70		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	300		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	360		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	20 minus 20 =	*	x 40 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*	x 210 =	0.00			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 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).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	730		TOTAL	

APPLICATION AS AMENDED - PART II

AMENDMENT A

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
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))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

AMENDMENT B

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE($)	ADDITIONAL FEE($)	OR	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))							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 found in the appropriate box in column 1.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/448,064	03/02/2017	David Walker Harper	1018-2 CON7	9817

31825 7590 05/22/2017

RYAN, MASON & LEWIS, LLP
48 South Service Road
Suite 100
Melville, NY 11747

EXAMINER
JEAN GILLES, JUDE

ART UNIT	PAPER NUMBER
2447	

NOTIFICATION DATE	DELIVERY MODE
05/22/2017	ELECTRONIC

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.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

nyoffice@rml-law.com
jbr@rml-law.com
wel@rml-law.com

Office Action Summary	Application No. 15/448,064	Applicant(s) HARPER ET AL.	
	Examiner JUDE JEAN GILLES	Art Unit 2447	AIA (First Inventor to File) Status No

-- 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* MONTHS 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 *03/14/2017*.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

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

4)☐ 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*

5)☒ Claim(s) *1-20* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-20* is/are rejected.

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

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

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

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

11)☐ 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).

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).

Certified copies:

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)).

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

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date *03/02/2017*.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

4) ☐ Other: _____.

The present application is being examined under the pre-AIA first to invent provisions.

DETAILED ACTION

1. This office Action is in reply to communication filed on 03/02/2017. Claimed priority is granted from provisional application 60389430, filed on 06/18/2002.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 03/02/2017 was filed is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Double Patenting

3. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the “right to exclude” granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP §§ 706.02(l)(1) - 706.02(l)(3) for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO Internet website contains terminal disclaimer forms which may be used. Please visit www.uspto.gov/patent/patents-forms. The filing date of the application in which the form is filed determines what form (e.g., PTO/SB/25, PTO/SB/26, PTO/AIA/25, or PTO/AIA/26) should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp.

4. Claims 1-20 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-22 of U.S. Patent No. 9619578 B2. Although the claims at issue are not identical, they are not patentably distinct from each other.

Conclusion

5. ***This action is made Non-Final***. Any inquiry concerning this communication or earlier communications from examiner should be directed to Jude Jean-Gilles whose telephone number is (571) 272-3914. The examiner can normally be reached on Monday-Thursday and every other Friday from 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Hwang, can be reached on **(571) 272-4036**. The fax phone number for the organization where this application or proceeding is assigned is **(571) 273-3301.**

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-0800.

/JUDE JEAN GILLES/

Primary Examiner, Art Unit 2447

May 14, 2017

Notice of References Cited	Application/Control No. 15/448,064	Applicant(s)/Patent Under Reexamination HARPER ET AL.	
	Examiner JUDE JEAN GILLES	Art Unit 2447	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-7,158,625 B2	01-2007	Casaccia; Lorenzo	H04M3/42	379/207.02
*	B	US-6,807,574 B1	10-2004	Partovi; Hadi	G06Q30/06	709/224
*	C	US-8,135,801 B2	03-2012	Harper; David Walker	G06Q30/02	370/400
*	D	US-2011/0138297 A1	06-2011	Harper; David Walker	G06Q30/02	715/743
*	E	US-6,760,046 B2	07-2004	l'Anson; Colin	G06F17/3087	707/E17.11
	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	CPC 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.

PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	
	Filing Date	2017-03-02
	First Named Inventor	David Walker Harper
	Art Unit	TBA
	Examiner Name	TBA
	Attorney Docket Number	1018-2 CON7

U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					
If you wish to add additional U.S. Patent citation information please click the Add button.						

U.S.PATENT APPLICATION PUBLICATIONS						
Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					
If you wish to add additional U.S. Published Application citation information please click the Add button.						

FOREIGN PATENT DOCUMENTS								
Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	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							☐
If you wish to add additional Foreign Patent Document citation information please click the Add button								

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

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.J/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	2017-03-02
	First Named Inventor	David Walker Harper
	Art Unit	TBA
	Examiner Name	TBA
	Attorney Docket Number	1018-2 CON7

	1	Memorandum and Order in Wireless Ink Corporation v. Facebook Inc., et al., Case Nos. 10 Civ. 1841 and 11 Civ. 1751, December 17, 2013.	☐
	2	Opening Brief for Plaintiff-Appellant Wireless Ink Corporation in Wireless Ink Corporation v. Google, Inc. et al., filed in the United States Court of Appeals for the Federal Circuit, Appeal No. 2013-1689, December 10, 2013.	☐
	3	LISA MOSKOWITZ, "GeoCities Becomes a Portal," PCWorld, Jul. 13, 1998, http://www.pcworld.com/article/7404/geocities_becomes_a_portal.html?tk=rel_news, 2 pages.	☐
	4	BUSINESS WIRE, INC., "Ground-Breaking Website & Portal Builder for Novices Unveiled - HotHomepages Poised for a Viral Take-Over of Free Web Market With Unmatched Features and Revenue Generators!", Jan. 17, 2001, 2 pages.	☐
	5	INTERNET WIRE, INC., "HotHomepages Launches 2.0 Release With Additional Features And New Robust Elements To The Company's Self-Service Web Site Builder," Nov. 2, 2001, 2 pages.	☐
	6	ED LOWE, "Untethered," Long Island Press, Jan. 13, 2005, http://www.longislandpress.com/2005/01/13/untethered/, 2 pages.	☐
	7	MARKET WIRE, INC., "Wireless Ink Enables Worldwide Mobile Publishing and Distribution for the Masses; Patent-Pending Technology Allows the Masses to Create and Build a Mobile Site in Minutes Which Is Distributed Globally Across Carrier Networks," Dec. 21, 2004, 2 pages.	☐
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CERTIFICATION STATEMENT

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

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

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☐ See attached certification statement.

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

☒ A certification statement is not 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	/Joseph B. Ryan/	Date (YYYY-MM-DD)	2017-03-02
Name/Print	Joseph B. Ryan	Registration Number	37922

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

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☐ See attached certification statement.

☐ The 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	/Joseph B. Ryan/	Date (YYYY-MM-DD)	2017-03-02
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	Art Unit	TBA
	Examiner Name	TBA
	Attorney Docket Number	1018-2 CON7

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	Art Unit	TBA
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	Attorney Docket Number	1018-2 CON7

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	Art Unit	TBA
	Examiner Name	TBA
	Attorney Docket Number	1018-2 CON7

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	First Named Inventor	David Walker Harper
	Art Unit	TBA
	Examiner Name	TBA
	Attorney Docket Number	1018-2 CON7

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Signature	/Joseph B. Ryan/	Date (YYYY-MM-DD)	2017-03-02
Name/Print	Joseph B. Ryan	Registration Number	37922

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	Examiner	Art Unit
	JUDE JEAN GILLES	2447

CPC- SEARCHED		
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Class	Subclass	Date	Examiner
715	738, 743 and 736	5/15/2017	JG

SEARCH NOTES		
Search Notes	Date	Examiner
EAST text and claim search; NPLs	5/15/2017	JG

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US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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	1	Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, compilation of source code files containing documents numbered UKN3301-UKN3399.	☐
	2	Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, compilation of source code files titled UKNS9 containing documents numbered UKN3476-UKN3550.	☐
	3	Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, compilation of source code files titled UKNS10 containing documents numbered UKN3551-UKN3584, UKN3592-UKN3597, UKN3600, UKN3602-UKN3609, UKN3611, UKN3613, UKN3614, UKN3616, UKN3620, UKN3622, UKN3623, UKN3625, UKN3627, UKN3629-UKN3642, UKN3644-UKN3657, UKN3659 and UKN3660.	☐
	4	Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, compilation of training documents titled UKNT1 containing documents numbered UKN3662, UKN3663, UKN3665, UKN3667-UKN3672, UKN3674, UKN3675, UKN3677, UKN3679 and UKN3680.	☐
	5	Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, compilation of source code files containing documents numbered UKN458-UKN464, UKN477-UKN479, UKN481-UKN483, UKN485-UKN492, UKN495, UKN496, UKN498, UKN501-UKN548, UKN559-UKN565, UKN567-UKN572, UKN574-UKN600, UKN602-UKN609, UKN611-UKN648, UKN650-UKN718, UKN720-UKN890, UKN892-UKN896, UKN898, UKN900-1009, UKN1011-1051 and UKN1053-UKN1097.	☐
	6	Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, compilation of source code files containing documents numbered UKN1099-UKN1196, UKN1198, UKN1200-UKN1306, UKN1308-UKN1311, UKN1314, UKN1316-UKN1339, UKN1341-UKN1344, UKN1347, UKN1349-UKN1359, UKN1380-UKN1383, UKN1385-UKN1388, UKN1391 and UKN1393-UKN1420.	☐
	7	Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, compilation of source code files containing documents numbered UKN1422-UKN1425, UKN1429-UKN1444, UKN1447-UKN1708, UKN1710-UKN1714, UKN1716, UKN1718-UKN1741, UKN1743-UKN1745 and UKN1748-UKN1753.	☐
	8	Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, compilation of training documents titled UKNT1 containing documents numbered UKN3662, UKN3663, UKN3665, UKN3667-UKN3672, UKN3674, UKN3675, UKN3677, UKN3679 and UKN3680.	☐
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	1	Decision of the United States Court of Appeals for the Federal Circuit in Wireless Ink Corporation v. Google Inc. et al. and Wireless Ink Corporation v. Facebook Inc. et al., Nos. 2013-1683 and 2013-1684, 2 pages, July 16, 2014.	☐
	2	Decision of the Patent Trial and Appeal Board in Facebook, Inc., Requester v. Wireless Ink Corp., Patent Owner, Appeal No. 2014-007363, Reexamination Control No. 95/001,989, October 30, 2014, 15 pages.	☐
	3	Record of Oral Hearing Before the Patent Trial and Appeal Board in Facebook, Inc., Requester v. Wireless Ink Corp., Patent Owner, Appeal 2014-007363, Reexamination Control No. 95/001,989, October 1, 2014, 20 pages.	☐
	4	Brief of Appellee Facebook, Inc., filed in Wireless Ink Corporation v. Facebook, Inc., Appeal to the United States Court of Appeals for the Federal Circuit, No. 2015-1299, May 14, 2015, 54 pages.	☐
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	6	Audio Recording of the Oral Argument in Wireless Ink Corporation v. Facebook, Inc., No. 2015-1299, before the United States Court of Appeals for the Federal Circuit, October 7, 2015, available at: http://www.cafc.uscourts.gov/oral-argument-recordings/search/audio.html?title=&field_case_number_value=15-1299&field_date_value2%5Bvalue%5D%5Bdate%5D=2015-10-07.	☐
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	10	YAHOO! INC., "Yahoo! Clubs: Member's Guide Help," available at http://web.archive.org/web/20010417055544/http://help.yahoo.com/help/clubs/cmemb, archived April 17, 2001, 1 page.	☐
	11	YAHOO! INC., "Yahoo! Clubs: Members' Guide: Help 'Inviting Someone to Join a Club'," available at http://web.archive.org/web/19990508114903/http://help.yahoo.com/help/clubs/cmemb/cmemb-07.html, archived May 8, 1999, 1 page.	☐

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	2017-03-02
	First Named Inventor	David Walker Harper
	Art Unit	TBA
	Examiner Name	TBA
	Attorney Docket Number	1018-2 CON7

	12	YAHOO! INC., "Yahoo! Clubs: Member's Guide Help 'Inviting Someone to Join a Club'," available at http://web.archive.org/web/20010413162015/http://help.yahoo.com/help/us/clubs/cmemb/cmemb-07.html, archived April 13, 2001, 1 page.	☐
	13	YAHOO! INC., "Yahoo! Clubs: Founders' Guide: Help," available at http://web.archive.org/web/19981202150201/http://help.yahoo.com/help/clubs/cfound/, archived December 2, 1998, 1 page.	☐
	14	YAHOO! INC., "Yahoo! Clubs: Founder's Guide Help," available at http://web.archive.org/web/20010331090631/http://help.yahoo.com/help/clubs/cfound, archived March 31, 2001, 1 page.	☐
	15	YAHOO! INC., "Yahoo! Clubs: Founders' Guide: Help 'Creating a Club'," available at http://web.archive.org/web/19981203045133/http://help.yahoo.com/help/clubs/cfound/cfound-09.html, archived December 3, 1998, 1 page.	☐
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	17	YAHOO! INC., "Yahoo! Clubs: Founders' Guide: Help 'Inviting Other Members to Join Your Club'," available at http://web.archive.org/web/19981205214559/http://help.yahoo.com/help/clubs/cfound/cfound-01.html, archived December 5, 1998, 1 page.	☐
	18	YAHOO! INC., "Yahoo! Clubs: Founder's Guide Help 'Inviting Other Members to Join Your Club'," available at http://web.archive.org/web/20010331094343/http://help.yahoo.com/help/us/clubs/cfound/cfound-01.html, archived March 31, 2001, 1 page.	☐
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	Examiner Name	TBA
	Attorney Docket Number	1018-2 CON7

	23	YAHOO! INC., "Yahoo! Clubs: Clubs Help 'Club Rules'," available at http://web.archive.org/web/20010413155804/http://help.yahoo.com/help/us/clubs/clubs-06.html, archived April 13, 2001, 1 page.	☐
	24	YAHOO! INC., "Yahoo! Clubs: Clubs: Help 'How Do I Join a Club?'," available at http://web.archive.org/web/19990127221107/http://help.yahoo.com/help/clubs/clubs-04.html, archived January 27, 1999, 1 page.	☐
	25	YAHOO! INC., "Yahoo! Clubs: Clubs Help 'How Do I Join a Club?'," available at http://web.archive.org/web/20010413121150/http://help.yahoo.com/help/us/clubs/clubs-04.html, archived April 13, 2001, 1 page.	☐
	26	YAHOO! INC., "Yahoo! Clubs: Clubs: Help 'What's the Difference Between a Listed and an Unlisted Club?'," available at http://web.archive.org/web/19981201045331/http://help.yahoo.com/help/clubs/clubs-03.html, archived December 1, 1998, 1 page.	☐
	27	YAHOO! INC., "Yahoo! Clubs: Clubs Help 'What's the Difference Between a Listed and an Unlisted Club?'," available at http://web.archive.org/web/20010331071614/http://help.yahoo.com/help/us/clubs/clubs-03.html, archived March 31, 2001, 1 page.	☐
	28	YAHOO! INC., "Yahoo! Clubs: Clubs: Help 'What's the Difference Between a Founder and a Member?'," available at http://web.archive.org/web/19990127231400/http://help.yahoo.com/help/clubs/clubs-05.html, archived January 27, 1999, 1 page.	☐
	29	JIM LYNCH, "Netscape Moves in on Microsoft", PC Magazine, December 15, 1998, pages 60-61.	☐

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EXAMINER SIGNATURE

Examiner Signature	/JUDE JEAN GILLES/	Date Considered	05/15/2017

*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.

The above non-patent literature references have been previously submitted in the parent cases.

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	Examiner Name	TBA
	Attorney Docket Number	1018-2 CON7

CERTIFICATION STATEMENT

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

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

OR

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

☐ See attached certification statement.

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

☒ A certification statement is not submitted herewith.

SIGNATURE

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

Signature	/Joseph B. Ryan/	Date (YYYY-MM-DD)	2017-03-02
Name/Print	Joseph B. Ryan	Registration Number	37922

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

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24310	(integrat$3 insert$3 combin$3 activat$ provid$3) near10 ((mobile wireless) adj4 information data content) adj4 channel	US-PGPUB; USPAT	OR	ON	2017/05/15 14:17
L2	1	"9619578".pn.	US-PGPUB; USPAT	OR	ON	2017/05/15 14:18
L3	7	mobile adj4 (information data content) adj4 channel near20 (user adj4 interfac$3) same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2017/05/15 14:23
L4	8	mobile adj4 (information data content) adj4 channel same wireless adj4 network same user adj4 interfac$3	US-PGPUB; USPAT	OR	ON	2017/05/15 14:23
L5	23	mobile adj4 (information data content) adj4 channel and wireless adj4 network same shar$3 adj5 access$3	US-PGPUB; USPAT	OR	ON	2017/05/15 14:24
L6	19	mobile adj4 (information data content) adj4 channel same wireless adj4 network and access$3 adj5 shar$3 same user	US-PGPUB; USPAT	OR	ON	2017/05/15 14:24
L7	1346	activat$3 near7 (mobile adj4 (information content))	US-PGPUB; USPAT	OR	ON	2017/05/15 14:24
L8	13	activat$3 near7 (mobile adj4 (information content))same insert$3 adj6 (content data information)	US-PGPUB; USPAT	OR	ON	2017/05/15 14:25
L9	62536	((709/217) or (709/203) or (709/204) or (709/232) or (709/200) or (709/224) or (709/250) or (709/248) or (709/223) or (709/228) or (709/229) or (455/8) or (455/9) or (455/10) or (370/400) or (370/410) or (370/413) or (715/743) or (715/736)).CCLS.	USPAT; USOCR	OR	OFF	2017/05/15 14:26
L10	29	9 and 7	US-PGPUB; USPAT	OR	ON	2017/05/15 14:26
S1	1	"8135801".pn.	US-PGPUB; USPAT	OR	ON	2014/05/13 08:49
S2	1	"7908342".pn.	US-PGPUB; USPAT	OR	ON	2014/05/13 09:00
S3	1	"7599983".pn.	US-PGPUB; USPAT	OR	ON	2014/05/13 09:03
S4	27110	(interfac$3 near7 (first initial primary) adj4 (user member participant subscriber))	US-PGPUB; USPAT	OR	ON	2014/05/13 09:05
S5	9	(interfac$3 near7 (first initial primary) adj4 (user member participant subscriber)) near30 shar$3 adj4 access$3	US-PGPUB; USPAT	OR	ON	2014/05/13 09:06
S6	2	(interfac$3 near7 (first initial primary) adj4 (user member participant subscriber)) near30 shar$3 adj4 access$3 near30 ((other plurality additional) adj4	US-PGPUB; USPAT	OR	ON	2014/05/13 09:07

		(user member participant subscriber))				
S7	4769	mobile adj4 (information data content) adj4 channel	US-PGPUB; USPAT	OR	ON	2014/05/13 09:15
S8	24	S7 and S4	US-PGPUB; USPAT	OR	ON	2014/05/13 09:15
S9	0	S7 same S4	US-PGPUB; USPAT	OR	ON	2014/05/13 09:15
S10	24	S7 and S4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/05/13 09:27
S11	199	mobile adj4 (information data content) adj4 channel same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/05/13 09:27
S12	1	(first initial primary) adj4 (user member participant subscriber) same mobile adj4 (information data content) adj4 channel same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/05/13 09:28
S13	30	(first initial primary) adj4 (user member participant subscriber) and mobile adj4 (information data content) adj4 channel same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/05/13 09:29
S14	2	shar$3 adj4 access$3 same (first initial primary) adj4 (user member participant subscriber) and mobile adj4 (information data content) adj4 channel same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/05/13 09:29
S15	199	mobile adj4 (information data content) adj4 channel same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/05/13 09:30
S16	1	mobile adj4 (information data content) adj4 channel near20 (user adj4 interfac$3) same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/05/13 09:30
S17	22984	(integrat$3 insert$3 combin$3 activat$ provid$3) near10 ((mobile wireless0 adj4 information data content) adj4 channel)	US-PGPUB; USPAT	OR	ON	2014/05/13 09:32
S18	18894	(integrat$3 insert$3 combin$3 activat$ provid$3) near10 ((mobile wireless) adj4 information data content) adj4 channel	US-PGPUB; USPAT	OR	ON	2014/05/13 09:32
S20	0	S4 and (integrat$3 insert$3 combin$3 activat$ provid$3) adj5 portion near10 ((mobile wireless) adj4 information data content) adj4 channel	US-PGPUB; USPAT	OR	ON	2014/05/13 09:33
S21	1	S7 and (integrat$3 insert$3 combin$3 activat$ provid$3) adj5 portion near10 ((mobile wireless) adj4 information data content) adj4 channel	US-PGPUB; USPAT	OR	ON	2014/05/13 09:33
S22	2	mobile adj4 (information data content) adj4 channel same wireless adj4 network same user adj4 interfac$3	US-PGPUB; USPAT	OR	ON	2014/05/13 09:34
S24	10	mobile adj4 (information data content) adj4 channel same wireless adj4 network and access$3 adj5 shar$3 same user	US-PGPUB; USPAT	OR	ON	2014/05/13 09:35
S25	54376	((709/217) or (709/203) or (709/204) or (709/232) or (709/200) or (709/224) or (709/250) or (709/248) or (709/223) or (709/228) or (709/229) or (455/8) or	USPAT; USOCR	OR	OFF	2014/05/13 09:37

		(455/9) or (455/10) or (370/400) or (370/410) or (370/413) or (715/743) or (715/736)).CCLS.				
S26	7	S25 and S11	USPAT	OR	OFF	2014/05/13 09:37
S27	617	S25 and S17	USPAT	OR	OFF	2014/05/13 09:37
S28	617	S25 and S17	US-PGPUB; USPAT	OR	OFF	2014/05/13 09:37
S29	7	S25 and S11	US-PGPUB; USPAT	OR	OFF	2014/05/13 09:38
S30	175	((Harper adj2 David).inv. (Sabella adj3 Jason).inv. (Munch adj3 William).inv. (wireless adj3 ink adj3 corporation).asn.)	US-PGPUB; USPAT	OR	ON	2014/05/13 09:41
S31	6	S30 and S7	US-PGPUB; USPAT	OR	ON	2014/05/13 09:41
S32	26	mobile adj4 (information data content) adj4 channel same wireless adj4 network and access$3 adj5 shar$3	US-PGPUB; USPAT	OR	ON	2014/05/13 11:27
S33	26	S32 AND ((H04W64/00 OR H04W4/02 OR H04W60/04 OR H04W64/003 OR H04W28/06 OR H04W4/00 OR H04W8/20 OR H04W52/0216 OR H04W52/0219 OR H04W72/121 OR H04W72/1247 OR H04W76/046 OR H04W28/04 OR H04W28/22 OR H04W52/08 OR H04W52/36 OR H04W52/50 OR H04W74/085 OR H04W72/005 OR H04W72/042 OR H04W8/08 OR H04W48/14 OR H04W72/044 OR H04W72/0486 OR H04W72/10 OR H04W74/02 OR H04L12/18 OR H04L12/1827 OR H04L12/1859 OR H04L12/189 OR H04L12/5895 OR H04L29/06 OR H04L51/38 OR H04L67/04 OR H04L67/14 OR H04L67/18 OR H04L69/329 OR H04L1/0071 OR H04L1/0075 OR H04L1/08 OR H04L1/1877 OR H04L29/06027).CPC.)	US-PGPUB; USPAT	OR	ON	2014/05/13 11:29
S34	199	mobile adj4 (information data content) adj4 channel same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/05/13 11:29
S35	100	(integrat$3 insert$3 combin$3 activat$ provid$3) adj5 portion near10 ((mobile wireless) adj4 information data content) adj4 channel	US-PGPUB; USPAT	OR	ON	2014/05/13 11:38
S36	0	mobile adj4 (information data content) adj4 channel same wireless adj4 network same shar$3 adj5 access$3	US-PGPUB; USPAT	OR	ON	2014/05/13 11:41
S37	19	mobile adj4 (information data content) adj4 channel and wireless adj4 network same shar$3 adj5 access$3	US-PGPUB; USPAT	OR	ON	2014/05/13 11:41
S38	99	mobile adj4 (information data content) adj4 channel and wireless adj4 network and shar$3 adj5 access$3	US-PGPUB; USPAT	OR	ON	2014/05/13 11:41
S39	8	mobile adj4 (information data content) adj4 channel and wireless adj4 network and user near30 shar$3 adj5 access$3	US-PGPUB; USPAT	OR	ON	2014/05/13 11:42
S40	21	S38 AND ((H04L12/189 OR	US-PGPUB;	OR	ON	2014/05/13

		H04W72/005).CPC.)	USPAT			11:45
S41	3	shar$3 adj4 access$3 same (first initial primary) adj4 (user member participant subscriber) and mobile adj4 (information data content) adj4 channel same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/06/30 13:30
S42	27766	(interfac$3 near7 (first initial primary) adj4 (user member participant subscriber))	US-PGPUB; USPAT	OR	ON	2014/06/30 13:32
S43	4847	mobile adj4 (information data content) adj4 channel	US-PGPUB; USPAT	OR	ON	2014/06/30 13:32
S44	27	S43 and S42	US-PGPUB; USPAT	OR	ON	2014/06/30 13:32
S45	19120	(integrat$3 insert$3 combin$3 activat$ provid$3) near10 ((mobile wireless) adj4 information data content) adj4 channel	US-PGPUB; USPAT	OR	ON	2014/06/30 13:32
S46	23279	(integrat$3 insert$3 combin$3 activat$ provid$3) near10 ((mobile wireless0 adj4 information data content) adj4 channel)	US-PGPUB; USPAT	OR	ON	2014/06/30 13:32
S47	55210	((709/217) or (709/203) or (709/204) or (709/232) or (709/200) or (709/224) or (709/250) or (709/248) or (709/223) or (709/228) or (709/229) or (455/8) or (455/9) or (455/10) or (370/400) or (370/410) or (370/413) or (715/743) or (715/736)).CCLS.	USPAT; USOCR	OR	OFF	2014/06/30 13:32
S48	622	S47 and S46	USPAT	OR	OFF	2014/06/30 13:32
S49	200	mobile adj4 (information data content) adj4 channel same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/06/30 13:32
S50	7	S47 and S49	US-PGPUB; USPAT	OR	OFF	2014/06/30 13:32
S51	55210	((709/217) or (709/203) or (709/204) or (709/232) or (709/200) or (709/224) or (709/250) or (709/248) or (709/223) or (709/228) or (709/229) or (455/8) or (455/9) or (455/10) or (370/400) or (370/410) or (370/413) or (715/743) or (715/736)).CCLS.	USPAT; USOCR	OR	OFF	2014/06/30 13:32
S52	183	((Harper adj2 David).inv. (Sabella adj3 Jason).inv. (Munch adj3 William).inv. (wireless adj3 ink adj3 corporation).asn.)	US-PGPUB; USPAT	OR	ON	2014/06/30 13:33

5/15/2017 2:58:59 PM
C:\Users\jjeangilles\Documents\EAST\Workspaces\15448064.wsp

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15448064	HARPER ET AL.
	Examiner	**Art Unit**
	JUDE JEAN GILLES	2447

✓	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	05/15/2017								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
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U.S.PATENTS						
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Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	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]
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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 Name	TBA
	Attorney Docket Number	1018-2 CON7

	1	I. VOS ET AL., "The Essential Guide to Mobile Business," 2002, pp. 215-218, Prentice Hall PTR, Upper Saddle River, New Jersey.	☐
	2	N. WHITFIELD, "The Official AOL UK Handbook Version 6.0," 2001, pp. 241-416 and 484-571, Capstone Publishing Limited, Oxford, United Kingdom.	☐
	3	Phone.com, "Enabling the Wireless Internet: Why You Should Develop Applications Using the Phone.com WAP Solution," January 2000, 12 pages.	☐
	4	Phone.com, "Understanding Security on The Wireless Internet: How WAP Security is Enabling Wireless E-commerce Applications for Today and Tomorrow," January 2000, 12 pages.	☐
	5	GURUbooks.com, "Join the Wireless Web Revolution with...Yahoo!," Mobile Guru Series, 2001, 10 pages.	☐
	6	A. NEIBAUER, "How to Do Everything with Yahoo!," 2000, pp. 115-180, Osborne/McGraw-Hill, Berkeley California.	☐
	7	K. BINDER, "The Complete Idiot's Guide to Mac OS X," 2002, pp. 97-104 and 141-183, Alpha Books, United States of America.	☐
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	2017-03-02
	First Named Inventor	David Walker Harper
	Art Unit	TBA
	Examiner Name	TBA
	Attorney Docket Number	1018-2 CON7

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Examiner Signature	/JUDE JEAN GILLES/	Date Considered	05/15/2017

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The above non-patent literature references have been previously submitted in the parent cases.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	2017-03-02
	First Named Inventor	David Walker Harper
	Art Unit	TBA
	Examiner Name	TBA
	Attorney Docket Number	1018-2 CON7

CERTIFICATION STATEMENT

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

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

OR

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

☐ See attached certification statement.

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

☒ A certification statement is not submitted herewith.

SIGNATURE

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

Signature	/Joseph B. Ryan/	Date (YYYY-MM-DD)	2017-03-02
Name/Print	Joseph B. Ryan	Registration Number	37922

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

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/448,064	03/02/2017	David Walker Harper	1018-2 CON7

CONFIRMATION NO. 9817

31825
RYAN, MASON & LEWIS, LLP
48 South Service Road
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Melville, NY 11747

PUBLICATION NOTICE

OC000000092291865

Title:METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS

Publication No.US-2017-0178195-A1
Publication Date:06/22/2017

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 Public Records Division. The Public Records Division can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Public Records Division, 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 https://portal.uspto.gov/pair/PublicPair. 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 Managment, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant:	Engagelogic Corporation
Inventor(s):	David Walker Harper et al.
Docket No.:	1018-2 CON7
Serial No.:	15/448,064
Filing Date:	March 2, 2017
Group:	2447
Examiner:	Jude Jean Gilles
Title:	Method, Apparatus and System for Management of Information Content for Enhanced Accessibility over Wireless Communication Networks

---

AMENDMENT AND RESPONSE TO OFFICE ACTION

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

Sir:

In response to the non-final Office Action dated May 22, 2017, Applicant respectfully requests reconsideration of the above-identified application in view of the amendments and remarks herein.

IN THE CLAIMS

1-20. (Canceled)

21. (New) An apparatus comprising:

a processing element comprising a processor coupled to a memory; and

a network interface coupled to the processing element and configured to communicate with a plurality of mobile devices over at least one network;

the processing element being configured:

to receive first device-captured data from a first one of the mobile devices via the network interface;

to receive second device-captured data from a second one of the mobile devices via the network interface; and

to integrate the first and second device-captured data into a web-based shared information channel controllably accessible to first and second users of the respective first and second mobile devices via respective personalized content applications of the first and second mobile devices.

22. (New) The apparatus of claim 21 wherein at least one of the first device-captured data and the second device-captured data comprises image data.

23. (New) The apparatus of claim 21 wherein at least one of the first device-captured data and the second device-captured data comprises video data.

24. (New) The apparatus of claim 21 wherein at least one of the first device-captured data and the second device-captured data comprises device-captured location coordinates.

25. (New) The apparatus of claim 21 wherein at least one of the first device-captured data and the second device-captured data comprises:

location-identifying information of the corresponding mobile device; and

at least one of device-captured image data and device-captured video data associated with a capture location identified by the location-identifying information.

26. (New) The apparatus of claim 21 wherein a given one of the first and second mobile devices comprises one of a mobile telephone, a tablet computer, a GPS-based navigational device, a watch and a portable game player.

27. (New) The apparatus of claim 21 further comprising a web server that includes the network interface and the processing element and wherein the web server is accessible to the first and second mobile devices over the Internet via the network interface.

28. (New) The apparatus of claim 21 wherein the web-based shared information channel is configured to allow a given one of the first and second users to enter a message via the personalized content application of its corresponding mobile device and wherein the message is integrated with the first and second device-captured data into a persistent version of a given set of shared information content of the web-based shared information channel so as to be accessible with the first and second device-captured data to the first and second users of the respective first and second mobile devices via the respective personalized content applications of the first and second mobile devices.

29. (New) The apparatus of claim 28 wherein the message is delivered to one or more of the mobile devices over a wireless network.

30. (New) The apparatus of claim 21 wherein the web-based shared information channel is configured to identify at least one data feed and wherein data is periodically obtained from a given such identified data feed and integrated with the first and second device-captured data into a persistent version of a given set of shared information content of the web-based shared information channel so as to be accessible with the first and second device-captured data to the first and second

users of the respective first and second mobile devices via the respective personalized content applications of the first and second mobile devices.

31. (New) The apparatus of claim 30 wherein the data obtained from the given identified data feed comprises at least one advertisement.

32. (New) A network-based communication system comprising a plurality of servers configured to communicate over said at least one network, a given one of the servers comprising the apparatus of claim 21.

33. (New) A method comprising:

receiving first device-captured data from a first mobile device over at least one network;

receiving second device-captured data from a second mobile device over said at least one network; and

integrating the first and second device-captured data into a web-based shared information channel controllably accessible to first and second users of the respective first and second mobile devices via respective personalized content applications of the first and second mobile devices.

34. (New) The method of claim 33 further comprising:

receiving in the web-based shared information channel a message from one of the first and second users via the personalized content application of its corresponding mobile device; and

delivering the message over said at least one network to another one of the first and second users via the personalized content application of its corresponding mobile device;

wherein the message is integrated with the first and second device-captured data into a persistent version of a given set of shared information content of the web-based shared information channel so as to be accessible with the first and second device-captured data to the

first and second users of the respective first and second mobile devices via the respective personalized content applications of the first and second mobile devices.

35. (New) The method of claim 33 further comprising:

identifying in the web-based shared information channel at least one data feed;

periodically obtaining data from a given such identified data feed; and

integrating the obtained data with the first and second device-captured data into a persistent version of a given set of shared information content of the web-based shared information channel so as to be accessible with the first and second device-captured data to the first and second users of the respective first and second mobile devices via the respective personalized content applications of the first and second mobile devices.

36. (New) The method of claim 35 wherein the data obtained from the given identified data feed comprises at least one advertisement.

37. (New) A non-transitory computer-readable storage medium having embodied therein executable code of one or more software programs, wherein said executable program code when executed by a processing element causes said processing element:

to receive first device-captured data from a first mobile device over at least one network;

to receive second device-captured data from a second mobile device over said at least one network; and

to integrate the first and second device-captured data into a web-based shared information channel controllably accessible to first and second users of the respective first and second mobile devices via respective personalized content applications of the first and second mobile devices.

38. (New) The non-transitory computer-readable storage medium of claim 37 wherein said executable program code when executed by said processing element further causes said processing element:

to receive in the web-based shared information channel a message from one of the first and second users via the personalized content application of its corresponding mobile device; and

to deliver the message over said at least one network to another one of the first and second users via the personalized content application of its corresponding mobile device;

wherein the message is integrated with the first and second device-captured data into a persistent version of a given set of shared information content of the web-based shared information channel so as to be accessible with the first and second device-captured data to the first and second users of the respective first and second mobile devices via the respective personalized content applications of the first and second mobile devices.

39. (New) The non-transitory computer-readable storage medium of claim 37 wherein said executable program code when executed by said processing element further causes said processing element:

to identify in the web-based shared information channel at least one data feed;

to periodically obtain data from a given such identified data feed; and

to integrate the obtained data with the first and second device-captured data into a persistent version of a given set of shared information content of the web-based shared information channel so as to be accessible with the first and second device-captured data to the first and second users of the respective first and second mobile devices via the respective personalized content applications of the first and second mobile devices.

40. (New) The non-transitory computer-readable storage medium of claim 39 wherein the data obtained from the given identified data feed comprises at least one advertisement.

REMARKS

The present application was filed on March 2, 2017 with claims 1-20. The present application claims the priority of U.S. Provisional Application Serial No. 60/389,430, filed June 18, 2002, through a number of continuation applications.

Claims 1-20 are rejected on the ground of nonstatutory double patenting over claims 1-22 of U.S. Patent No. 9,619,578 (hereinafter "the '578 patent").

In this response, Applicant cancels claims 1-20 and adds new claims 21-40.

Applicant respectfully submits that the nonstatutory double patenting rejection is moot in view of the cancelation of claims 1-20. Moreover, new claims 21-40 are believed to be patentably distinct over claims 1-22 of the '578 patent.

In view of the above, Applicant respectfully submits that the claims as amended are in condition for allowance, and respectfully requests withdrawal of the present rejections.

Respectfully submitted,

/Joseph B. Ryan/

Date: August 11, 2017

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Application Number	15/448,064
Filing Date	2017-03-02
First Named Inventor	David Walker Harper
Title	Method, Apparatus and System for Management of Information Content for Enhanced Accessibility Over Wireless Communication Networks
Art Unit	2447
Examiner Name	Jude Jean Gilles
Attorney Docket Number	1018-2 CON7

SIGNATURE of Applicant or Patent Practitioner

Signature	/Joseph B. Ryan/	Date (Optional)	2017-08-11
Name	Joseph B. Ryan	Registration Number	37922
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

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I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

Engagelogic Corporation

☐ Inventor or Joint Inventor (title not required below)

☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

☑ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature		Date (Optional)	
Name	David W. Harper		
Title	President, Engagelogic Corporation		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☐ Total of forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Electronic Acknowledgement Receipt

EFS ID:	30057762
Application Number:	15448064
International Application Number:	
Confirmation Number:	9817
Title of Invention:	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS
First Named Inventor/Applicant Name:	David Walker Harper
Customer Number:	31825
Filer:	Joseph Bernard Ryan/Lisa Vulpis
Filer Authorized By:	Joseph Bernard Ryan
Attorney Docket Number:	1018-2 CON7
Receipt Date:	11-AUG-2017
Filing Date:	02-MAR-2017
Time Stamp:	15:30:23
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment/Req. Reconsideration-After Non-Final Reject	1018-2CON7_AM1.pdf	81435 f90ceafeeecded14e3c6a2858febd67b7aa6bd35	no	7

Warnings:

Information:					
2	Power of Attorney	1018-2CON7_POA.pdf	677081 0df78f2e256ad673a6236e2a5e09b79cb523af2f	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	758516	

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.

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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 15/448,064	Filing Date 03/02/2017	☐ To be Mailed

ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	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 $310 ($155 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.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT **08/11/2017**

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	X $40 =	0
Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $210 =	0
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	0

AMENDMENT

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					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.

LIE
BRENDA TURNER

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

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

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	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/448,064	03/02/2017	David Walker Harper	1018-2 CON7

CONFIRMATION NO. 9817

31825
RYAN, MASON & LEWIS, LLP
48 South Service Road
Suite 100
Melville, NY 11747

POA ACCEPTANCE LETTER

OC000000093441143

Date Mailed: 08/15/2017

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 08/11/2017.

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.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/ytdemisse/

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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 15/448,064	Filing Date 03/02/2017	☐ To be Mailed

ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	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 $310 ($155 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.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT **09/11/2017**

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	X $40 =	0
Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $210 =	0
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	0

AMENDMENT

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					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.

LIE
/POLIN ANG/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

31825 7590 11/09/2017

RYAN, MASON & LEWIS, LLP
48 South Service Road
Suite 100
Melville, NY 11747

EXAMINER
JEAN GILLES, JUDE

ART UNIT	PAPER NUMBER
2447	

DATE MAILED: 11/09/2017

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/448,064	03/02/2017	David Walker Harper	1018-2 CON7	9817

TITLE OF INVENTION: METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0	$0	$480	02/09/2018

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 ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

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: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

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)

31825 7590 11/09/2017
RYAN, MASON & LEWIS, LLP
48 South Service Road
Suite 100
Melville, NY 11747

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.

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.
15/448,064	03/02/2017	David Walker Harper	1018-2 CON7	9817

TITLE OF INVENTION: METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0	$0	$480	02/09/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
JEAN GILLES, JUDE	2447	715-738000

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 credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)
- ❑ Applicant certifying micro entity status. See 37 CFR 1.29 — NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
- ❑ Applicant asserting small entity status. See 37 CFR 1.27 — NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
- ❑ Applicant changing to regular undiscounted fee status. — NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

PTOL-85 Part B (10-13) Approved for use through 10/31/2013. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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.
15/448,064	03/02/2017	David Walker Harper	1018-2 CON7	9817

31825 7590 11/09/2017

RYAN, MASON & LEWIS, LLP
48 South Service Road
Suite 100
Melville, NY 11747

EXAMINER	
JEAN GILLES, JUDE	

ART UNIT	PAPER NUMBER
2447	

DATE MAILED: 11/09/2017

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

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

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.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B 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.

Privacy Act Statement

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

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

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

Notice of Allowability	Application No. 15/448,064	Applicant(s) HARPER ET AL.	
	Examiner JUDE JEAN GILLES	Art Unit 2447	AIA (First Inventor to File) Status No

-- 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 *09/11/2017*.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on_____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are *21-39*. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☐ All b) ☐ Some *c) ☐ None of the:
   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

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

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ 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. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
5. ☐ Examiner's Amendment/Comment
6. ☒ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/JUDE JEAN GILLES/
Primary Examiner, Art Unit 2447

1. The present application is being examined under the pre-AIA first to invent provisions.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance: the closest prior art of record, McGarry et al. US 20020133448 A1, does not teach nor suggest in detail of a Web conference system/method capable of: "*...to receive first device-captured data from a first one of the mobile devices via the network interface; to receive second device-captured data from a second one of the mobile devices via the network interface; and to integrate the first and second device-captured data into a web-based shared information channel controllably accessible to first and second users of the respective first and second mobile devices via respective personalized content applications of the first and second mobile devices.*" in combination with all the elements of each independent claim as filed by Applicant on 09/11/2017. The claim has been considered persuasive, in light of its limitations, as well as enabling portions of the specification.

3. The dependent claims further limit the independent claims and are considered allowable on the same basis as the independent claims as well as for the further limitations set forth.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Allowed Claims

4. Claims 21-39 are allowed; Renumbered 1-19.

Conclusion

5. Any inquiry concerning this communication or earlier communications from examiner should be directed to Jude Jean-Gilles whose telephone number is (571) 272-3914. The examiner can normally be reached on Monday-Friday from 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Hwang, can be reached on (571) 272-4026. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-3301. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-0800.

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)?

/JUDE JEAN GILLES/

Primary Examiner, Art Unit 2447

October 29, 2017

Notice of References Cited	Application/Control No. 15/448,064	Applicant(s)/Patent Under Reexamination HARPER ET AL.	
	Examiner JUDE JEAN GILLES	Art Unit 2447	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2002/0133448 A1	09-2002	McGarry, Glenn	G06Q40/04	705/37
*	B	US-6,836,466 B1	12-2004	Kant; Krishna	H04L29/06	370/232
	C	US-				
	D	US-				
	E	US-				
	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	CPC 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.	Applicant(s)/Patent Under Reexamination
	15448064	HARPER ET AL.
	Examiner	Art Unit
	JUDE JEAN GILLES	2447

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
715	738, 743 and 736	5/15/2017	JG

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

SEARCH NOTES		
Search Notes	Date	Examiner
EAST text and claim search; NPLs	5/15/2017	JG
EAST text and claim search; NPLs	10/30/2017	JG

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
709	2010-217, 221-229	10/30/2017	JG
370	232, 235, 248	10/30/2017	JG
455	8-10	10/30/2017	JG
715	743 and 736	10/30/2017	JG

	/JUDE JEAN GILLES/ Primary Examiner.Art Unit 2447

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15448064	HARPER ET AL.
	Examiner	**Art Unit**
	JUDE JEAN GILLES	2447

✓	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	05/15/2017	10/30/2017							
	1	✓	-							
	2	✓	-							
	3	✓	-							
	4	✓	-							
	5	✓	-							
	6	✓	-							
	7	✓	-							
	8	✓	-							
	9	✓	-							
	10	✓	-							
	11	✓	-							
	12	✓	-							
	13	✓	-							
	14	✓	-							
	15	✓	-							
	16	✓	-							
	17	✓	-							
	18	✓	-							
	19	✓	-							
	20	✓	-							
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7	27		=							
8	28		=							
9	29		=							
10	30		=							
11	31		=							
12	32		=							
13	33		=							
14	34		=							
15	35		=							
16	36		=							

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15448064	HARPER ET AL.
	Examiner	**Art Unit**
	JUDE JEAN GILLES	2447

✓	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	05/15/2017	10/30/2017							
17	37		=							
18	38		=							
19	39		=							

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"7599983".pn.	US-PGPUB; USPAT	OR	ON	2017/10/30 12:46
L3	1	"7908342".pn.	US-PGPUB; USPAT	OR	ON	2017/10/30 12:49
L5	1	"8793336" .pn.	US-PGPUB; USPAT	OR	ON	2017/10/30 12:52
L6	1	"8793336".pn.	US-PGPUB; USPAT	OR	ON	2017/10/30 12:52
L7	1	"9619578" .pn.	US-PGPUB; USPAT	OR	ON	2017/10/30 12:55
L8	40147	(server device apparatus computer PDA phone) adj4 captur$3 adj3 (data information content)	US-PGPUB; USPAT	OR	ON	2017/10/30 12:58
L9	1183	(first primary initial) adj4 (server device apparatus computer PDA phone) adj4 captur$3 adj3 (data information content)	US-PGPUB; USPAT	OR	ON	2017/10/30 12:58
L10	245	(first primary initial) adj4 (server device apparatus computer PDA phone) adj4 captur$3 adj3 (data information content) same (second$3) adj4 (server device apparatus computer PDA phone) adj4 captur$3 adj3 (data information content)	US-PGPUB; USPAT	OR	ON	2017/10/30 12:58
L11	0	(web internet)adj7 channel same (first primary initial) adj4 (server device apparatus computer PDA phone) adj4 captur$3 adj3 (data information content) same (second$3) adj4 (server device apparatus computer PDA phone) adj4 captur$3 adj3 (data information content)	US-PGPUB; USPAT	OR	ON	2017/10/30 12:59
L12	29	(first primary initial) adj4 (server device apparatus computer PDA phone) adj4 captur$3 adj3 (data information content) same internet	US-PGPUB; USPAT	OR	ON	2017/10/30 13:00
L13	69710	((709/217) or (709/203) or (709/204) or (709/232) or (709/200) or (709/224) or (709/250) or (709/248) or (709/223) or (709/228) or (709/229) or (370/232) or (370/235) or (370/241.1) or (370/248) or (375/225) or (455/8) or (455/9) or (455/10) or (370/400) or (370/410) or (370/413) or (715/743) or (715/736)).CCLS.	USPAT; USOCR	OR	OFF	2017/10/30 13:23
L14	264	((Harper adj2 David).inv. (Sabella adj3 Jason).inv. (Munch adj3 William).inv. (wireless adj3 ink adj3 corporation).asn.)	US-PGPUB; USPAT	OR	ON	2017/10/30 13:25
L15	0	12 and 13 and 14	US-PGPUB; USPAT	OR	ON	2017/10/30 13:25
S1	1	"8135801".pn.	US-PGPUB;	OR	ON	2014/05/13

			USPAT			08:49
S2	1	"7908342".pn.	US-PGPUB; USPAT	OR	ON	2014/05/13 09:00
S3	1	"7599983".pn.	US-PGPUB; USPAT	OR	ON	2014/05/13 09:03
S4	27110	(interfac$3 near7 (first initial primary) adj4 (user member participant subscriber))	US-PGPUB; USPAT	OR	ON	2014/05/13 09:05
S5	9	(interfac$3 near7 (first initial primary) adj4 (user member participant subscriber)) near30 shar$3 adj4 access$3	US-PGPUB; USPAT	OR	ON	2014/05/13 09:06
S6	2	(interfac$3 near7 (first initial primary) adj4 (user member participant subscriber)) near30 shar$3 adj4 access$3 near30 ((other plurality additional) adj4 (user member participant subscriber))	US-PGPUB; USPAT	OR	ON	2014/05/13 09:07
S7	4769	mobile adj4 (information data content) adj4 channel	US-PGPUB; USPAT	OR	ON	2014/05/13 09:15
S8	24	S7 and S4	US-PGPUB; USPAT	OR	ON	2014/05/13 09:15
S9	0	S7 same S4	US-PGPUB; USPAT	OR	ON	2014/05/13 09:15
S10	24	S7 and S4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/05/13 09:27
S11	199	mobile adj4 (information data content) adj4 channel same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/05/13 09:27
S12	1	(first initial primary) adj4 (user member participant subscriber) same mobile adj4 (information data content) adj4 channel same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/05/13 09:28
S13	30	(first initial primary) adj4 (user member participant subscriber) and mobile adj4 (information data content) adj4 channel same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/05/13 09:29
S14	2	shar$3 adj4 access$3 same (first initial primary) adj4 (user member participant subscriber) and mobile adj4 (information data content) adj4 channel same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/05/13 09:29
S15	199	mobile adj4 (information data content) adj4 channel same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/05/13 09:30
S16	1	mobile adj4 (information data content) adj4 channel near20 (user adj4 interfac$3) same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/05/13 09:30
S17	22984	(integrat$3 insert$3 combin$3 activat$ provid$3) near10 ((mobile wireless0 adj4 information data content) adj4 channel)	US-PGPUB; USPAT	OR	ON	2014/05/13 09:32
S18	18894	(integrat$3 insert$3 combin$3 activat$ provid$3) near10 ((mobile wireless) adj4 information data content) adj4 channel	US-PGPUB; USPAT	OR	ON	2014/05/13 09:32
S20	0	S4 and (integrat$3 insert$3 combin$3 activat$ provid$3) adj5 portion near10 ((	US-PGPUB; USPAT	OR	ON	2014/05/13 09:33

		mobile wireless) adj4 information data content) adj4 channel				
S21	1	S7 and (integrat$3 insert$3 combin$3 activat$ provid$3) adj5 portion near10 ((mobile wireless) adj4 information data content) adj4 channel	US-PGPUB; USPAT	OR	ON	2014/05/13 09:33
S22	2	mobile adj4 (information data content) adj4 channel same wireless adj4 network same user adj4 interfac$3	US-PGPUB; USPAT	OR	ON	2014/05/13 09:34
S24	10	mobile adj4 (information data content) adj4 channel same wireless adj4 network and access$3 adj5 shar$3 same user	US-PGPUB; USPAT	OR	ON	2014/05/13 09:35
S25	54376	((709/217) or (709/203) or (709/204) or (709/232) or (709/200) or (709/224) or (709/250) or (709/248) or (709/223) or (709/228) or (709/229) or (455/8) or (455/9) or (455/10) or (370/400) or (370/410) or (370/413) or (715/743) or (715/736)).CCLS.	USPAT; USOCR	OR	OFF	2014/05/13 09:37
S26	7	S25 and S11	USPAT	OR	OFF	2014/05/13 09:37
S27	617	S25 and S17	USPAT	OR	OFF	2014/05/13 09:37
S28	617	S25 and S17	US-PGPUB; USPAT	OR	OFF	2014/05/13 09:37
S29	7	S25 and S11	US-PGPUB; USPAT	OR	OFF	2014/05/13 09:38
S30	175	((Harper adj2 David).inv. (Sabella adj3 Jason).inv. (Munch adj3 William).inv. (wireless adj3 ink adj3 corporation).asn.)	US-PGPUB; USPAT	OR	ON	2014/05/13 09:41
S31	6	S30 and S7	US-PGPUB; USPAT	OR	ON	2014/05/13 09:41
S32	26	mobile adj4 (information data content) adj4 channel same wireless adj4 network and access$3 adj5 shar$3	US-PGPUB; USPAT	OR	ON	2014/05/13 11:27
S33	26	S32 AND ((H04W64/00 OR H04W4/02 OR H04W60/04 OR H04W64/003 OR H04W28/06 OR H04W4/00 OR H04W8/20 OR H04W52/0216 OR H04W52/0219 OR H04W72/121 OR H04W72/1247 OR H04W76/046 OR H04W28/04 OR H04W28/22 OR H04W52/08 OR H04W52/36 OR H04W52/50 OR H04W74/085 OR H04W72/005 OR H04W72/042 OR H04W8/08 OR H04W48/14 OR H04W72/044 OR H04W72/0486 OR H04W72/10 OR H04W74/02 OR H04L12/18 OR H04L12/1827 OR H04L12/1859 OR H04L12/189 OR H04L12/5895 OR H04L29/06 OR H04L51/38 OR H04L67/04 OR H04L67/14 OR H04L67/18 OR H04L69/329 OR H04L1/0071 OR H04L1/0075 OR H04L1/08 OR H04L1/1877 OR H04L29/06027).CPC.)	US-PGPUB; USPAT	OR	ON	2014/05/13 11:29
S34	199	mobile adj4 (information data content) adj4 channel same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/05/13 11:29
S35	100	(integrat$3 insert$3 combin$3 activat$ provid$3) adj5 portion near10 ((mobile	US-PGPUB; USPAT	OR	ON	2014/05/13 11:38

		wireless) adj4 information data content) adj4 channel				
S36	0	mobile adj4 (information data content) adj4 channel same wireless adj4 network same shar$3 adj5 access$3	US-PGPUB; USPAT	OR	ON	2014/05/13 11:41
S37	19	mobile adj4 (information data content) adj4 channel and wireless adj4 network same shar$3 adj5 access$3	US-PGPUB; USPAT	OR	ON	2014/05/13 11:41
S38	99	mobile adj4 (information data content) adj4 channel and wireless adj4 network and shar$3 adj5 access$3	US-PGPUB; USPAT	OR	ON	2014/05/13 11:41
S39	8	mobile adj4 (information data content) adj4 channel and wireless adj4 network and user near30 shar$3 adj5 access$3	US-PGPUB; USPAT	OR	ON	2014/05/13 11:42
S40	21	S38 AND ((H04L12/189 OR H04W72/005).CPC.)	US-PGPUB; USPAT	OR	ON	2014/05/13 11:45
S41	3	shar$3 adj4 access$3 same (first initial primary) adj4 (user member participant subscriber) and mobile adj4 (information data content) adj4 channel same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/06/30 13:30
S42	27766	(interfac$3 near7 (first initial primary) adj4 (user member participant subscriber))	US-PGPUB; USPAT	OR	ON	2014/06/30 13:32
S43	4847	mobile adj4 (information data content) adj4 channel	US-PGPUB; USPAT	OR	ON	2014/06/30 13:32
S44	27	S43 and S42	US-PGPUB; USPAT	OR	ON	2014/06/30 13:32
S45	19120	(integrat$3 insert$3 combin$3 activat$ provid$3) near10 ((mobile wireless) adj4 information data content) adj4 channel	US-PGPUB; USPAT	OR	ON	2014/06/30 13:32
S46	23279	(integrat$3 insert$3 combin$3 activat$ provid$3) near10 ((mobile wireless0 adj4 information data content) adj4 channel)	US-PGPUB; USPAT	OR	ON	2014/06/30 13:32
S47	55210	((709/217) or (709/203) or (709/204) or (709/232) or (709/200) or (709/224) or (709/250) or (709/248) or (709/223) or (709/228) or (709/229) or (455/8) or (455/9) or (455/10) or (370/400) or (370/410) or (370/413) or (715/743) or (715/736)).CCLS.	USPAT; USOCR	OR	OFF	2014/06/30 13:32
S48	622	S47 and S46	USPAT	OR	OFF	2014/06/30 13:32
S49	200	mobile adj4 (information data content) adj4 channel same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2014/06/30 13:32
S50	7	S47 and S49	US-PGPUB; USPAT	OR	OFF	2014/06/30 13:32
S51	55210	((709/217) or (709/203) or (709/204) or (709/232) or (709/200) or (709/224) or (709/250) or (709/248) or (709/223) or (709/228) or (709/229) or (455/8) or (455/9) or (455/10) or (370/400) or (370/410) or (370/413) or (715/743) or (715/736)).CCLS.	USPAT; USOCR	OR	OFF	2014/06/30 13:32
S52	183	((Harper adj2 David).inv. (Sabella adj3 Jason).inv. (Munch adj3 William).inv. (wireless adj3 ink adj3 corporation).asn.)	US-PGPUB; USPAT	OR	ON	2014/06/30 13:33

S53	24310	(integrat$3 insert$3 combin$3 activat$ provid$3) near10 ((mobile wireless) adj4 information data content) adj4 channel	US-PGPUB; USPAT	OR	ON	2017/05/15 14:17
S54	1	"9619578".pn.	US-PGPUB; USPAT	OR	ON	2017/05/15 14:18
S55	7	mobile adj4 (information data content) adj4 channel near20 (user adj4 interfac$3) same wireless adj4 network	US-PGPUB; USPAT	OR	ON	2017/05/15 14:23
S56	8	mobile adj4 (information data content) adj4 channel same wireless adj4 network same user adj4 interfac$3	US-PGPUB; USPAT	OR	ON	2017/05/15 14:23
S57	23	mobile adj4 (information data content) adj4 channel and wireless adj4 network same shar$3 adj5 access$3	US-PGPUB; USPAT	OR	ON	2017/05/15 14:24
S58	19	mobile adj4 (information data content) adj4 channel same wireless adj4 network and access$3 adj5 shar$3 same user	US-PGPUB; USPAT	OR	ON	2017/05/15 14:24
S59	1346	activat$3 near7 (mobile adj4 (information content))	US-PGPUB; USPAT	OR	ON	2017/05/15 14:24
S60	13	activat$3 near7 (mobile adj4 (information content))same insert$3 adj6 (content data information)	US-PGPUB; USPAT	OR	ON	2017/05/15 14:25
S61	62536	((709/217) or (709/203) or (709/204) or (709/232) or (709/200) or (709/224) or (709/250) or (709/248) or (709/223) or (709/228) or (709/229) or (455/8) or (455/9) or (455/10) or (370/400) or (370/410) or (370/413) or (715/743) or (715/736)).CCLS.	USPAT; USOCR	OR	OFF	2017/05/15 14:26
S62	29	S61 and S59	US-PGPUB; USPAT	OR	ON	2017/05/15 14:26

10/30/2017 1:26:17 PM
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BIB DATA SHEET

CONFIRMATION NO. 9817

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
15/448,064	03/02/2017	715	2447	1018-2 CON7

APPLICANTS

Engagelogic Corporation, Smithtown, NY;

INVENTORS

David Walker Harper, Bay Shore, NY;
Jason James Sabella, Coram, NY;
William Henry Munch, Tampa, FL;

**** CONTINUING DATA ***************************

This application is a CON of 14/324,698 07/07/2014 PAT 9619578
which is a CON of 14/175,768 02/07/2014 PAT 8825801
which is a CON of 13/364,950 02/02/2012 PAT 8793336
which is a CON of 13/027,519 02/15/2011 PAT 8135801
which is a CON of 12/548,928 08/27/2009 PAT 7908342
which is a CON of 10/464,526 06/18/2003 PAT 7599983
which claims benefit of 60/389,430 06/18/2002

**** FOREIGN APPLICATIONS ***************************

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED **** ** SMALL ENTITY **
03/09/2017

Foreign Priority claimed	❑ Yes ☑ No	❑ Met after Allowance	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
35 USC 119(a-d) conditions met	❑ Yes ☑ No		NY	48	20	3
Verified and Acknowledged	/JUDE JEAN GILLES/ Examiner's Signature	JG Initials				

ADDRESS

RYAN, MASON & LEWIS, LLP
48 South Service Road
Suite 100
Melville, NY 11747
UNITED STATES

TITLE

METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS

FILING FEE RECEIVED		
730	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

BIB (Rev. 05/07).

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15448064	HARPER ET AL.
	Examiner	**Art Unit**
	JUDE JEAN GILLES	2447

CPC						
Symbol					**Type**	**Version**
G06Q		30	/	0267	F	2013-01-01
H04L		67	/	02	I	2013-01-01
H04L		67	/	18	I	2013-01-01
H04L		65	/	4015	I	2013-01-01
H04L		51	/	38	I	2013-01-01
H04L		41	/	22	I	2013-01-01
H04W		4	/	023	I	2013-01-01
G06Q		30	/	0261	I	2013-01-01
			/			
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			/			
			/			
			/			

CPC Combination Sets							
Symbol					**Type**	**Set**	**Ranking**	**Version**
			/					
			/					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	19	
/JUDE JEAN GILLES/ Primary Examiner.Art Unit 2447	10/30/2017	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15448064	HARPER ET AL.
	Examiner	Art Unit
	JUDE JEAN GILLES	2447

US ORIGINAL CLASSIFICATION					
CLASS	SUBCLASS				
715	738				
CROSS REFERENCE(S)					
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
715	743	736			
709	200	201	203	204	248
370	232	235	248		
455	8	9	10		

INTERNATIONAL CLASSIFICATION										
CLAIMED					NON-CLAIMED					
G	0	6	F	15 / 16 (2006.01.01)						

NONE	Total Claims Allowed:
(Assistant Examiner) (Date)	19
/JUDE JEAN GILLES/ Primary Examiner.Art Unit 2447 10/30/2017	O.G. Print Claim(s): 1 / O.G. Print Figure: 1
(Primary Examiner) (Date)	

U.S. Patent and Trademark Office — Part of Paper No. 20171030

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15448064	HARPER ET AL.
	Examiner	**Art Unit**
	JUDE JEAN GILLES	2447

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1		17	13	33										
	2		18	14	34										
	3		19	15	35										
	4		20	16	36										
	5	1	21	17	37										
	6	2	22	18	38										
	7	3	23	19	39										
	8	4	24												
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	10	6	26												
	11	7	27												
	12	8	28												
	13	9	29												
	14	10	30												
	15	11	31												
	16	12	32												

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 19	
/JUDE JEAN GILLES/ Primary Examiner.Art Unit 2447 (Primary Examiner)	10/30/2017 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

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.
15/448,064	03/02/2017	David Walker Harper	1018-2 CON7	9817

31825 7590 12/04/2017

RYAN, MASON & LEWIS, LLP
48 South Service Road
Suite 100
Melville, NY 11747

EXAMINER
JEAN GILLES, JUDE

ART UNIT	PAPER NUMBER
2447	

NOTIFICATION DATE	DELIVERY MODE
12/04/2017	ELECTRONIC

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.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

nyoffice@rml-law.com
jbr@rml-law.com
wel@rml-law.com

Notice of Allowability	Application No. 15/448,064	Applicant(s) HARPER ET AL.	
	Examiner JUDE JEAN GILLES	Art Unit 2447	AIA (First Inventor to File) Status No

-- 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 *08/11/2017*.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on_____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are *21-40*. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☐ All b) ☐ Some *c) ☐ None of the:
   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

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

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ 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. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
5. ☐ Examiner's Amendment/Comment
6. ☒ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/JUDE JEAN GILLES/
Primary Examiner, Art Unit 2447

The present application is being examined under the pre-AIA first to invent provisions.

Reasons for Allowance

1. The following is an examiner's statement of reasons for allowance: the closest prior art of record, McGarry et al. US 20020133448 A1, does not teach nor suggest in detail of a Web conference system/method capable of: "*...to receive first device-captured data from a first one of the mobile devices via the network interface; to receive second device-captured data from a second one of the mobile devices via the network interface; and to integrate the first and second device-captured data into a web-based shared information channel controllably accessible to first and second users of the respective first and second mobile devices via respective personalized content applications of the first and second mobile devices."* in combination with all the elements of each independent claim as filed by Applicant on 08/11/2017. The claim has been considered persuasive, in light of its limitations, as well as enabling portions of the specification.

2. The dependent claims further limit the independent claims and are considered allowable on the same basis as the independent claims as well as for the further limitations set forth.

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

Allowed Claims

3. Claims 21-40 are allowed; Renumbered 1-20.

Conclusion

4. Any inquiry concerning this communication or earlier communications from examiner should be directed to Jude Jean-Gilles whose telephone number is (571) 272-3914. The examiner can normally be reached on Monday-Friday from 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Hwang, can be reached on (571) 272-4026. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-3301. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-0800.

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)?

/JUDE JEAN GILLES/

Primary Examiner, Art Unit 2447

November 28, 2017

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15448064	HARPER ET AL.
	Examiner	**Art Unit**
	JUDE JEAN GILLES	2447

CPC						
Symbol					**Type**	**Version**
G06Q		30	/	0267	F	2013-01-01
H04L		67	/	02	I	2013-01-01
H04L		67	/	18	I	2013-01-01
H04L		65	/	4015	I	2013-01-01
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H04L		41	/	22	I	2013-01-01
H04W		4	/	023	I	2013-01-01
G06Q		30	/	0261	I	2013-01-01
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CPC Combination Sets							
Symbol					**Type**	**Set**	**Ranking**	**Version**
			/					
			/					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	20	
/JUDE JEAN GILLES/ Primary Examiner.Art Unit 2447	11/28/2017	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No. 20171128

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15448064	HARPER ET AL.
	Examiner	Art Unit
	JUDE JEAN GILLES	2447

US ORIGINAL CLASSIFICATION						INTERNATIONAL CLASSIFICATION										
CLASS	SUBCLASS					CLAIMED					NON-CLAIMED					
715	738					G	0	6	F	15 / 16 (2006.01.01)						
CROSS REFERENCE(S)																
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)															
715	743	736														
709	200	201	203	204	248											
370	232	235	248													
455	8	9	10													

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/JUDE JEAN GILLES/ Primary Examiner.Art Unit 2447	11/28/2017	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15448064	HARPER ET AL.
	Examiner	**Art Unit**
	JUDE JEAN GILLES	2447

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1		17	13	33										
	2		18	14	34										
	3		19	15	35										
	4		20	16	36										
	5	1	21	17	37										
	6	2	22	18	38										
	7	3	23	19	39										
	8	4	24	20	40										
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	11	7	27												
	12	8	28												
	13	9	29												
	14	10	30												
	15	11	31												
	16	12	32												

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 20	
/JUDE JEAN GILLES/ Primary Examiner.Art Unit 2447 (Primary Examiner)	11/28/2017 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15448064	HARPER ET AL.
	Examiner	**Art Unit**
	JUDE JEAN GILLES	2447

✓	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	05/15/2017	10/30/2017							
	1	✓	-							
	2	✓	-							
	3	✓	-							
	4	✓	-							
	5	✓	-							
	6	✓	-							
	7	✓	-							
	8	✓	-							
	9	✓	-							
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	13	✓	-							
	14	✓	-							
	15	✓	-							
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	18	✓	-							
	19	✓	-							
	20	✓	-							
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9	29		=							
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11	31		=							
12	32		=							
13	33		=							
14	34		=							
15	35		=							
16	36		=							

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15448064	HARPER ET AL.
	Examiner	Art Unit
	JUDE JEAN GILLES	2447

✓	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	05/15/2017	10/30/2017							
17	37		=							
18	38		=							
19	39		=							
20	40		=							

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Engagelogic Corporation
Inventor(s):	David Walker Harper et al.
Docket No.:	1018-2 CON7
Serial No.:	15/448,064
Filing Date:	March 2, 2017
Group:	2447
Examiner:	Jude Jean Gilles
Title:	Method, Apparatus and System for Management of Information Content for Enhanced Accessibility over Wireless Communication Networks

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COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

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

Sir:

The following remarks are submitted in response to the Examiner's Statement of Reasons for Allowance included in the Notice of Allowability dated November 9, 2017, in the above-identified application.

REMARKS

Applicant has reviewed the Examiner's Statement of Reasons for Allowance (hereinafter "Statement") given on pages 2-3 of the Notice of Allowability.

Applicant expressly traverses the Statement to the extent that any portion thereof is intended to or has the effect of limiting the scope of the allowed claims and to the extent that any portion thereof implies that all the reasons for patentability of the allowed claims are fully enumerated.

In the Statement, the Examiner characterizes certain prior art references as being the "closest" prior art. Applicant does not necessarily concur in this characterization.

In the Statement, the Examiner further characterizes certain prior art references as failing to disclose certain limitations of the claims. To the extent that such concessions may be interpreted as implying that other limitations of the claims are conventional or otherwise fail to distinguish over the prior art, Applicant respectfully traverses.

Applicant respectfully requests that the above comments be made of record and placed into the application file pursuant to 37 CFR 1.104(e).

Respectfully submitted,

/Joseph B. Ryan/

Date: February 6, 2018

Joseph B. Ryan
Attorney for Applicant
Reg. No. 37,922
Ryan, Mason & Lewis, LLP
48 South Service Road, Suite 100
Melville, NY 11747
(631) 393-6155

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)

31825 7590 11/09/2017
RYAN, MASON & LEWIS, LLP
48 South Service Road
Suite 100
Melville, NY 11747

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.

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.
15/448,064	03/02/2017	David Walker Harper	1018-2 CON7	9817

TITLE OF INVENTION: METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0	$0	$480	02/09/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
JEAN GILLES, JUDE	2447	715-738000

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 Ryan, Mason & Lewis, LLP
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: Engagelogic Corporation

(B) RESIDENCE: (CITY and STATE OR COUNTRY): Smithtown, New York

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 credits any overpayment, to Deposit Account Number 50-0762 (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)
- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /Joseph B. Ryan/ Date February 6, 2018

Typed or printed name Joseph B. Ryan Registration No. 37,922

PTOL-85 Part B (10-13) Approved for use through 10/31/2013. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Electronic Patent Application Fee Transmittal

Application Number:	15448064
Filing Date:	02-Mar-2017
Title of Invention:	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS
First Named Inventor/Applicant Name:	David Walker Harper
Filer:	Joseph Bernard Ryan/Nancy Crowe
Attorney Docket Number:	1018-2 CON7

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

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	480	480

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**480**

Electronic Acknowledgement Receipt	
EFS ID:	31717674
Application Number:	15448064
International Application Number:	
Confirmation Number:	9817
Title of Invention:	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS
First Named Inventor/Applicant Name:	David Walker Harper
Customer Number:	31825
Filer:	Joseph Bernard Ryan/Nancy Crowe
Filer Authorized By:	Joseph Bernard Ryan
Attorney Docket Number:	1018-2 CON7
Receipt Date:	06-FEB-2018
Filing Date:	02-MAR-2017
Time Stamp:	16:39:44
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$480
RAM confirmation Number	020718INTEFSW16412100
Deposit Account	500762
Authorized User	Nancy Crowe
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (Patent application and reexamination processing fees)	

37 CFR 1.19 (Document supply fees)

37 CFR 1.20 (Post Issuance fees)

37 CFR 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	Post Allowance Communication - Incoming	1018-2CON7_CMTS.pdf	68262 826e290044a1478347b2884cc5ab998856193400	no	2
Warnings:					
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2	Issue Fee Payment (PTO-85B)	1018-2CON7_IF.pdf	104475 c7269ccc9daf2fc531e02b87b87631e521b22df8	no	1
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3	Fee Worksheet (SB06)	fee-info.pdf	30829 72c9d87e4faeaf5e2d1f695fa43f18fc52558150	no	2
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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/448,064	03/20/2018	9922348	1018-2 CON7	9817

31825 7590 02/28/2018

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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 0 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):

David Walker Harper, Bay Shore, NY;
Engagelogic Corporation, Smithtown, NY;
Jason James Sabella, Coram, NY;
William Henry Munch, Tampa, FL;

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Paper 11
Entered: June 11, 2024

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

META PLATFORMS, INC.,
Petitioner,

v.

MOBILE DATA TECHNOLOGIES LLC,
Patent Owner.

IPR2024-00250
Patent 9,922,348 B2

Before CHRISTOPHER M. KAISER, KEVIN C. TROCK, and SCOTT B. HOWARD, *Administrative Patent Judges*.

TROCK, *Administrative Patent Judge*.

DECISION
Granting Institution of *Inter Partes* Review
35 U.S.C. § 314

I. INTRODUCTION

Meta Platforms, Inc. ("Petitioner") filed a Petition (Paper 2, "Pet.") requesting *inter partes* review of claims 1–20 (the "challenged claims") of U.S. Patent No. 9,922,348 B2 (Ex. 1001, "the '348 patent"). Mobile Data Technologies LLC ("Patent Owner") filed a Preliminary Response (Paper 6, "Prelim. Resp."). With our authorization, Petitioner filed a Preliminary Reply (Paper 8, "Prelim. Reply") and Patent Owner filed a Preliminary Sur-reply (Paper 10, "Prelim. Sur-reply").

The Board has authority to determine whether to institute *inter partes* review. *See* 35 U.S.C. § 314; 37 C.F.R. § 42.4(a). Under 35 U.S.C. § 314(a), we may not authorize an *inter partes* review unless the information in the petition and the preliminary response "shows that there is a reasonable likelihood that the petitioner would prevail with respect to at least 1 of the claims challenged in the petition."

For the reasons stated below, we determine that Petitioner has established a reasonable likelihood that it would prevail with respect to at least one claim. We therefore institute *inter partes* review as to all of the challenged claims of the '348 patent and all of the asserted grounds of unpatentability in the Petition.

II. BACKGROUND

A. Related Matters

Petitioner identifies the following district court proceeding involving the '348 patent:

Mobile Data Technologies LLC v. Meta Platforms, Inc., Case No. 7:22-cv-00244-ADA-DTG (W.D. Tex.) (Petitioner served Dec. 6, 2022). Pet. 1.

Patent Owner identifies the same related matter. Paper 5, 2–3.

B. Real Parties-in-Interest

Petitioner identifies Meta Platforms, Inc. as the real party-in-interest. Pet. 1.

Patent Owner identifies Mobile Data Technologies LLC as the real party-in-interest. Paper 5, 2.

Based on the current record, we determine that Petitioner has established compliance with the statutory requirement under 35 U.S.C. § 312(a)(2) to identify all real parties in interest.

C. The '348 Patent

The '348 patent is entitled "Method, Apparatus and System for Management of Information Content for Enhanced Accessibility over Wireless Communication Networks." Ex. 1001, code (54) (capitalization and bold omitted). The '348 patent "relates generally to network-based communication systems, and more particularly to techniques for information content management in such systems." *Id.* at 1:29–31.

The '348 patent explains:

> Many users, for example, may wish to make specific personalized information content available via mobile devices to their friends, colleagues, subscribers or other entities. However, conventional techniques have been unable to meet this need in a satisfactory manner. . . . As a result, it is generally not possible for different mobile device users to link to and take further action on a persistent version of a given set of shared information content.

Id. at 1:45–66.

Figure 1A, reproduced below, is a block diagram of a network-based communication system configured in accordance with an embodiment of the '348 invention. *Id.* at 3:8–10.

FIG. 1A

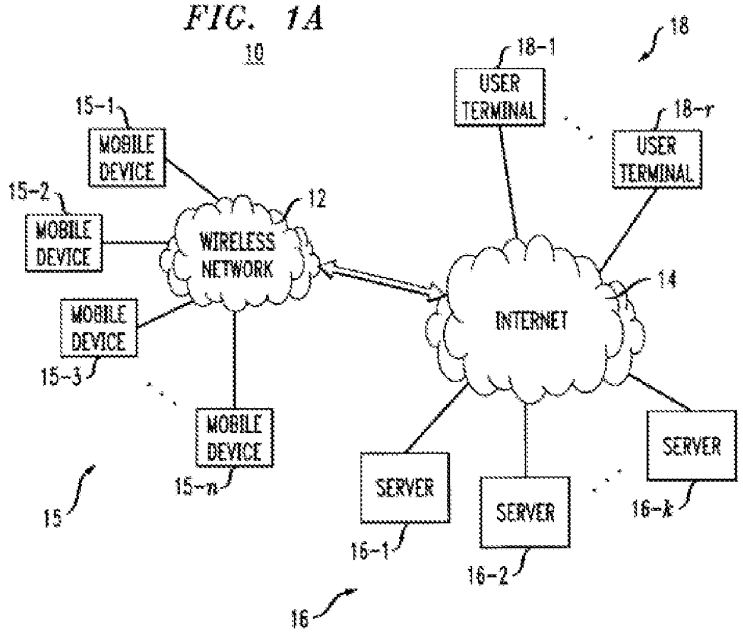


Figure 1A, above, shows a network-based communication system 10, including a wireless network 12 coupled to the Internet 14, mobile devices 15, set of servers 16, and set of user terminals 18. *Id.* at 3:60–4:10. The '348 patent states that "[t]he mobile devices 15 and user terminals 18 may be more generally referred to herein as user devices." *Id.*

System 10 provides a content management site accessible to a system user. *Id.* at 5:27–50. The content management site may be supported by server(s) 16 and may be accessed by a user over Internet 14 via user terminal(s) 18. *Id.* The '348 patent describes:

> The content management site permits the user to enter information in accordance with a specified format comprising a plurality of selectable mobile information channels each corresponding to an information category. The mobile information channels are also referred to as "M-channels" herein . . . The entered information is processed to generate a mobile web site comprising information content that is accessible via one or more of the mobile devices 15 over the wireless network 12 of the system 10. The information content

> of the mobile site is preferably configured such that a persistent version thereof is accessible via the one or more mobile devices 15 over the wireless network 12. . . . The content management site can also be accessed via one of the mobile devices 15, and used to create a mobile site also accessible via that mobile device and one or more other mobile devices.

Id.

> The '348 patent describes the following advantages:
>
> [T]he M-channels allow unsophisticated users to easily and efficiently author message data or other types of information content to be made accessible via a collaborative workspace, a data mailbox, a collaborative community, or other type of mobile site or portion thereof generated or otherwise managed in the system 10.

Id. at 8:26–40.

D. Illustrative Claim

The '348 patent has 20 claims. Claims 1–20 are challenged in the Petition. Pet. 2–3. Claims 1, 13, and 17 of the challenged claims are independent. Claim 1 is illustrative of the claimed subject matter and is reproduced below, with bracketed annotations added for convenience.

> 1. [preamble] An apparatus comprising:
>
> [1[a]] a processing element comprising a processor coupled to a memory; and
>
> [1[b]] a network interface coupled to the processing element and configured to communicate with a plurality of mobile devices over at least one network;
>
> [1[c]] the processing element being configured:
>
> [1[c][1]] to receive first device-captured data from a first one of the mobile devices via the network interface;

[1[c][2]] to receive second device-captured data from a second one of the mobile devices via the network interface; and

[1[c][3]] to integrate the first and second device-captured data into a web-based shared information channel controllably accessible to first and second users of the respective first and second mobile devices via respective personalized content applications of the first and second mobile devices.

Ex. 1001, 19:27–44.

E. Prior Art References and Other Evidence

Petitioner relies on the following references:

1. *How to Do Everything with Yahoo!*, Alan Neibauer (Petitioner contends "Exhibit 1003 was published and accessible to the public on or shortly after October 11, 2000" (Ex. 1026 ¶ 45)) (Ex. 1003, "Neibauer").

2. Ausems et al., U.S. Patent No. 6,434,403 B1 (August 13, 2002) (Ex. 1006, "Ausems").

3. Cheng et al., U.S. Patent No. 7,574,486 B1 (August 11, 2009) (Ex. 1005, "Cheng").

4. Squibbs, U.S. Patent Application Publication No. 2001/0015759 A1 (August 23, 2001) (Ex. 1011, "Squibbs").

5. McElfresh et al., U.S. Patent No. 6,907,566 B1 (June 14, 2005) (Ex. 1014, "McElfresh").

6. Harvey et al., U.S. Patent No. 6,487,583 B1 (November 26, 2002) (Ex. 1010, "Harvey").

In addition to these references, Petitioner relies on a Declaration of Vijay K. Madisetti, Ph.D. (Ex. 1002, "Madisetti Decl.") and a Declaration of Sylvia D. Hall-Ellis, Ph.D. (Ex. 1026, "Hall-Ellis Decl.").

Patent Owner relies on a Declaration of Kevin C. Almeroth, Ph.D. (Ex. 2001, "Almeroth Decl.").

F. Asserted Grounds of Unpatentability

Petitioner asserts the following grounds of unpatentability. Pet. 2–3, 10.

Ground	Claim(s) Challenged	Basis 35 U.S.C. §	Reference(s)
1	1–3, 6–9, 12–14, 17–18	103(a)[1]	Neibauer, Ausems, Cheng
2	4–5	103(a)	Neibauer, Ausems, Cheng, Squibbs
3	10–11, 15–16, 19–20	103(a)	Neibauer, Ausems, Cheng, McElfresh
4	1–3, 6–9, 12–14, 17–18	103(a)	Neibauer, Ausems, Cheng, Harvey
5	4–5	103(a)	Neibauer, Ausems, Cheng, Squibbs, Harvey
6	10–11, 15–16, 19–20	103(a)	Neibauer, Ausems, Cheng, McElfresh, Harvey

III. ANALYSIS OF THE CHALLENGED CLAIMS

A. Applicable Legal Standards

A claim is unpatentable as obvious under 35 U.S.C. § 103 "if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains." 35 U.S.C. § 103(a) (2006). The

[1] The '348 patent claims priority to several applications filed before the March 16, 2013 effective date of the §§ 102, 103 provisions in the Leahy-Smith America Invents Act ("AIA"), Pub. L. No. 112-29. Ex. 1001, codes (60), (63). Petitioner contends pre-AIA law applies to the challenged claims. Pet. 10. Patent Owner does not dispute Petitioner's contention that pre-AIA law applies. *See* Prelim. Resp. Accordingly, we cite to pre-AIA § 103(a).

question of obviousness is resolved on the basis of underlying factual determinations, including: (1) the scope and content of the prior art; (2) any differences between the claimed subject matter and the prior art; (3) the level of skill in the art; and (4) so-called "secondary considerations," including commercial success, long-felt but unsolved needs, failure of others, and unexpected results. *Graham v. John Deere Co. of Kan. City*, 383 U.S. 1, 17–18 (1966). At this stage, neither party has presented any evidence on the fourth *Graham* factor.

B. Level of Ordinary Skill in the Art

According to Petitioner, a person of ordinary skill in the pertinent art:

> would have possessed a bachelor's degree in electrical engineering, computer science, or similar field, with two years of experience in developing and implementing network-based computer systems that interact with mobile devices, such as systems for storing and retrieving information over the Internet or communicating using the Web using wireless mobile devices.

Pet. 5–6 (citing Madisetti Decl. ¶¶ 14–18).

Patent Owner states "[f]or purposes of this Response, [Patent Owner] applies Petitioner's characterization of a POSITA [("person having ordinary skill in the art)]." Prelim. Resp. 16.

We regard Petitioner's definition as consistent with the '348 patent and the prior art before us and supported by testimonial evidence. Therefore, for the purpose of this Decision, we adopt Petitioner's formulation.

C. Claim Construction

For this *inter partes* review, the Board applies the same claim construction standard as that applied in federal courts. *See* 37 C.F.R. § 42.100(b) (2023). Under this standard, claim terms "are generally given

their ordinary and customary meaning" as understood by a person of ordinary skill in the art in question at the time of the invention. *Phillips v. AWH Corp.*, 415 F.3d 1303, 1312–13 (Fed. Cir. 2005) (en banc) (citations omitted). "In determining the meaning of the disputed claim limitation, we look principally to the intrinsic evidence of record, examining the claim language itself, the written description, and the prosecution history, if in evidence." *DePuy Spine, Inc. v. Medtronic Sofamor Danek, Inc.*, 469 F.3d 1005, 1014 (Fed. Cir. 2006) (citing *Phillips*, 415 F.3d at 1312–17). Extrinsic evidence is "less significant than the intrinsic record in determining 'the legally operative meaning of claim language.'" *Phillips*, 415 F.3d at 1317 (citation omitted).

Petitioner "does not believe express claim construction is necessary at this time." Pet. 8.

Patent Owner states "[f]or purposes of this Response, [Patent Owner] submits no express constructions are required." Prelim. Resp. 17.

Only those terms that are in controversy need be construed, and only to the extent necessary to resolve the controversy. *See Nidec Motor Corp. v. Zhongshan Broad Ocean Motor Co.*, 868 F.3d 1013, 1017 (Fed. Cir. 2017); *Vivid Techs., Inc. v. Am. Sci. & Eng'g, Inc.*, 200 F.3d 795, 803 (Fed. Cir. 1999). For purposes of this Decision and based on this preliminary record, we determine that no claim terms require express construction at this stage of the proceeding.

D. Discretionary Denial – 325(d)

Patent Owner argues that we should exercise our discretion to deny institution of trial under 35 U.S.C. § 325(d). Prelim. Resp. 4–14. Patent Owner asserts that "the Petition is grounded in art that was already before

the Examiner, and thus institution should be denied under § 325(d)." Prelim. Resp. 4 (bold and capitalization omitted); *see also id.* at 4–6. Patent Owner also asserts that "all petitioned art was previously presented, substantially similar, or cumulative." Prelim. Resp. 7 (bold and capitalization omitted); *see also id.* at 7–12.

1. Legal Standard

Under § 325(d), we have discretion to deny a petition that presents the same or substantially the same prior art or arguments as previously presented to the Office. In evaluating whether the factual predicate under § 325(d) is met, we consider a number of non-exclusive factors, as set forth in *Becton, Dickinson & Co. v. B. Braun Melsungen AG*, IPR2017-01586, Paper 8 at 17–18 (PTAB Dec. 15, 2017) (Institution Decision) (precedential as to Section III.C.5, first paragraph) ("*Becton Dickinson* factors"):

> (a) the similarities and material differences between the asserted art and the prior art involved during examination;
>
> (b) the cumulative nature of the asserted art and the prior art evaluated during examination;
>
> (c) the extent to which the asserted art was evaluated during examination, including whether the prior art was the basis for rejection;
>
> (d) the extent of the overlap between the arguments made during examination and the manner in which Petitioner relies on the prior art or Patent Owner distinguishes the prior art;
>
> (e) whether Petitioner has pointed out sufficiently how the Examiner erred in its evaluation of the asserted prior art; and
>
> (f) the extent to which additional evidence and facts presented in the Petition warrant reconsideration of the prior art or arguments.

Becton, Dickinson, IPR2017-01586, Paper 8 at 17–18.

In performing an analysis under § 325(d), the Board uses the following two-part framework:

> (1) whether the same or substantially the same art previously was presented to the Office or whether the same or substantially the same arguments previously were presented to the Office; and (2) if either condition of first part of the framework is satisfied, whether the petitioner has demonstrated that the Office erred in a manner material to the patentability of challenged claims. . . . If, after review of [*Becton Dickinson*] factors (a), (b), and (d), it is determined that the same or substantially the same art or arguments previously were presented to the Office, then factors (c), (e), and (f) relate to whether the petitioner has demonstrated a material error by the Office.

Advanced Bionics, LLC v. MED-EL Elektromedizinische Geräte GmbH, IPR2019-01469, Paper 6 at 8, 10 (PTAB Feb. 13, 2020) (Institution Decision) (precedential) (footnote omitted). Consequently, we first turn to an analysis of *Becton Dickinson* factors (a), (b), and (d) to determine whether the same or substantially the same art previously was presented to the Office or whether the same or substantially the same arguments previously were presented to the Office.

2. Advanced Bionics – Part One

Becton Dickinson factors (a), (b), and (d) require us to determine, respectively: (a) "the similarities and material differences between the asserted art and the prior art involved during examination;" (b) "the cumulative nature of the asserted art and the prior art evaluated during examination," and (d) "the extent of the overlap between the arguments made during examination and the manner in which Petitioner relies on the prior art or Patent Owner distinguishes the prior art." *Becton, Dickinson*, IPR2017-01586, Paper 8 at 17.

Patent Owner asserts that "Petitioner correctly acknowledges that [Neibauer and Cheng][2] were considered and made of record by the Examiner." Prelim. Resp. 7. Patent Owner argues that "[t]he rest of the references [Ausems, McElfresh, Harvey] play minor and/or provisional roles in the claims," and "[n]otwithstanding their passing appearance in Petitioner's grounds, even these secondary references are substantially similar to art previously before the Examiner." *Id.* at 8, 9.

In particular, Patent Owner asserts that "Petitioner relies on Ausems for a combination Personal Digital Assistant ('PDA') and mobile phone with a digital camera," arguing "[t]hat functionality is disclosed in US 7,277,927 to Rensin, which was before the Examiner." *Id.* at 9 (citing Pet. 24–25; Ex. 1022, 175). Patent Owner also asserts that McElfresh is substantially similar to prior art the Office previously considered. S*ee* PO Resp. 11–12. Patent Owner further argues that we "need not consider Petitioner's parallel Grounds 4-6 relying on Harvey" because Harvey is added "solely to account for a potential construction of 'web-based shared information channel' proposed by Petitioner in the pending litigation," and "Patent Owner agrees [with Petitioner] that express constructions are not required at this stage." *Id.* at 10–11.

Petitioner argues that although Neibauer, Cheng, and Squibb "were considered during prosecution . . . the sole mention of these references was their inclusion on Information Disclosure Statements filed by the Applicants that were considered by the Examiner. Pet. 4 (citing Ex. 1022, 195, 212,

[2] Patent Owner also notes that "Petitioner relies on the published application of Squibbs (Ex. 1011), while the resulting patent (US 6,914,626) was considered by the Examiner." Prelim. Resp. 7, n.3 (citing Ex. 1022, 177).

174, 177). Petitioner argues that these references "were among hundreds of prior art references cited during prosecution." Pet. 4. Petitioner argues that "The record on Neibauer, Cheng and Squibbs is entirely 'silent' because the Examiner never addressed them." Prelim. Reply 1.

Petitioner also points out that during prosecution of the '348 patent, "the Examiner rejected the claims based on double-patenting grounds over U.S. Patent No. 9,619,578, an earlier patent in the same family." *Id.* According to Petitioner, "[t]he Examiner acknowledged that the '348 and '578 claims 'are not identical,' but found that 'they are not patentably distinct from each other.'" *Id.* at 1–2 (citing Ex. 1022, 157). Petitioner indicates that "the '578 patent was rejected on double-patenting grounds over U.S. Patent No. 8,135,801, an earlier patent whose claims were invalidated in reexamination based on Neibauer and Cheng." *Id.* at 2. According to Petitioner, the Office "cited and relied on both Neibauer and Cheng in the successful reexamination of [the '801 patent], an earlier patent in the same family with similar claims, which resulted in cancellation of all claims." Pet. 5 (citing Ex. 1024, 4, 18–19); Prelim. Reply, 2.

Petitioner further argues that "Ausems is materially different from Rensin." Prelim. Reply 2–3. According to Petitioner, Ausems was cited as:

> an example of a mobile communications device that, among other things, incorporated a digital camera for recording, storing, and transmitting digital images." (Petition, 24 (italics added).) The disclosures of Rensin cited by PO merely identify a camera as a "PDA expansion slot" device, and do not describe the camera's operation in any detail or state that captured images can be stored and transmitted. (POPR, 9-10.) Ausems was thus more relevant to the challenged claims and more applicable to a prior art reference (such as Neibauer) that disclosed the ability of the user to upload photos to a remote server.

Prelim. Reply 2–3.

In addition, Petitioner argues that "McElfresh was materially different from Dowling." Prelim. Reply 3. Petitioner asserts out that McElfresh is cited "for its disclosure of selecting and delivering advertisements ***and*** integrating those advertisements alongside other content on the ***same webpage***, to satisfy the claimed "**data feed**" limitations." *Id.* (citing Pet. 52–53, 57–60). Petitioner argues that "Dowling, on the other hand, does not state that the promotional information is presented on or integrated into the same webpage as other (non-advertising) content." *Id.* According to Petitioner, Dowling "appears to disclose the opposite, by stating that when a user drives along a mall, '***a web page comes*** up and provides directions to the shopping mall . . . [and] directions to the desired store.'" *Id.* (citing PO Prelim. Resp. 13[3] (quoting Dowling ¶ 64). Petitioner argues that "[t]he references are thus materially different." Prelim. Reply 3.

We disagree with Patent Owner that all of the references Petitioner is relying on are the same or substantially the same as references that were before the Office. There is no dispute that Ausems and McElfresh were not considered by the Office. *See* Prelim. Resp. 8–12; Ex. 1001, code (56). Moreover, we do not agree with Patent Owner that Ausems is substantially the same as Rensin and that McElfresh is substantially the same as Dowling.

For example, Petitioner relies on Ausems for a mobile communications device that incorporates a digital camera for recording, storing, and transmitting digital images. Pet. 24. The disclosures of Rensin

[3] Petitioner's citation to "POPR 13 (quoting Dowling, ¶0064)" on page 3 of Petitioner's Preliminary Reply appears to be an error. Patent Owner addresses Dowling on page 11 of its Preliminary Response.

cited by Patent Owner identify a camera as a PDA expansion slot device, but do not disclose expressly that captured images can be stored and transmitted as Ausems does. *Compare e.g.*, Ex. 1006, 2:5–11, 5:17–22 *with* Ex. 2003, 2:2–21. We agree with Petitioner that Ausems was thus more relevant to the challenged claims, and more applicable to a prior art reference such as Neibauer, that disclose the ability of the user to upload photos to a remote server.

Petitioner also relies on McElfresh for its teaching of selecting and delivering advertisements and integrating those advertisements with other content on the same webpage. *See* Pet. 52–60. For example, Petitioner describes how McElfresh's "ad server or Rad Server 112 'performs the overall function of gathering the necessary information regarding a particular ad (or set of ads) and the particular user and generating a set of ads which have been optimized for placement on a webpage,' based on (among other things) calculated click-through-percentage rates." Pet. 55 (quoting Ex. 1014, 6:42–48).

In contrast, Dowling's disclosure cited by Patent Owner[4] describes how a user may log into "a geographically controlled web site and configures the packet filter to display information related to a user's needs," such that that when the user drives along a mall, "a web page comes up and provides directions to the shopping mall and optionally provides an inside map of the mall to include directions to the desired store." Ex. 3001 ¶ 64;

[4] Patent Owner cites to Exhibit 2004 as Dowling (US 2005/0177645). Prelim. Resp. 11. However, Exhibit 2004 is U.S. Patent App. 2005/0171645, directed to a "Household Energy Management System," listing inventors as Oswald and Tamsett. *See* Ex. 2004, codes (10), (54), 76. Dowling appears to have been filed as Exhibit 1030, not Exhibit 2004.

Prelim. Resp. 11 (citing Ex. 2004 ¶ 64). Dowling's disclosure is substantially different from McElfresh's teaching of using a server to select and integrate particular advertisements onto a webpage.

We have reviewed the portions of Rensin and Dowling cited by Patent Owner and do not see substantially the same structures or functionality relied upon by Petitioner in Ausems or McElfresh.

3. Conclusion

Based on our consideration of *Becton Dickinson* factors (a), (b), and (d), we find that the same or substantially the same art or arguments were not previously presented to the Office. Thus, our analysis ends at this point, and we need not proceed to part two of the *Advanced Bionics* framework. *See Advanced Bionics*, IPR2019-01469, Paper 6 at 8. We therefore decline to exercise our discretion to deny institution based on 35 U.S.C. § 325(d).

E. Prior Art References

1. Neibauer (Ex. 1003)

Neibauer is a book titled "How to Do *Everything* with Yahoo!" Ex. 1003, 2.[5] Neibauer provides a description, tutorial, and reference guide for various Yahoo features. *Id.* at 17.

Neibauer describes Yahoo! Clubs, which is for Yahoo! members who share a common interest. *Id.* at 157. Yahoo! Clubs is accessed by clicking on Clubs on the Yahoo! home page or by entering an address. *Id.* Neibauer describes:

[5] We refer to the page numbering of Exhibit 1003 as opposed to the original page numbering in the book itself.

> Each club has its own message board and chat room, as well as places to share photographs, news, addresses, and links. You can create your own club and use it to share information about any topic that interests you or as a home page where friends and family can stay in touch.

Id.

Neibauer describes how photographs may be shared. *Id.* at 161. A list of albums that a club maintains can be seen by clicking Photos and a list of photos in an album can be seen by clicking the album name. *Id.* Neibauer further describes how to add a photograph to an album. *Id.* at 161–162.

Neibauer describes that Yahoo! Mobile lets you get many Yahoo! services on mobile devices, including cell phones, web phones, and personal digital assistants. *Id.* at 111.

2. Ausems (Ex. 1006)

Ausems is a U.S. patent titled "Personal Digital Assistant with Wireless Telephone." Ex. 1006, code (54) (capitalization and bold omitted). Ausems describes PDA (Personal Digital Assistant) telephone 100 that provides the combined functionality of a PDA and a wireless telephone and other features. *Id.* at 3:5–8.

Ausems describes PDA telephone 100 with camera 190. *Id.* at 5:11–23. The camera 190 records video images and stores them or transmits the video images from PDA telephone 100 in real time during a telephone call, thus allowing for video conferencing. *Id.*

3. Cheng (Ex. 1005)

Cheng is a U.S. patent titled "Web Page Content Translator." Ex. 1005, code (54) (capitalization and bold omitted). Cheng explains that "[b]ecause of the explosion of mobile enterprise solutions, users of wireless

devices now demand that businesses deliver web content for viewing on desktop, or mobile/portable (e.g., handheld) devices." *Id.* at 1:19–22.

Cheng describes "[a] system, method, and computer readable medium for reformatting web content into a format readable on one or more mobile devices." *Id.* at code (57).

Figure 1, reproduced below, is a block diagram of a mobile device, a proxy server, and a content server which illustrates an overview of a method according to the Cheng invention. *Id.* at 2:57–60.

FIG. 1

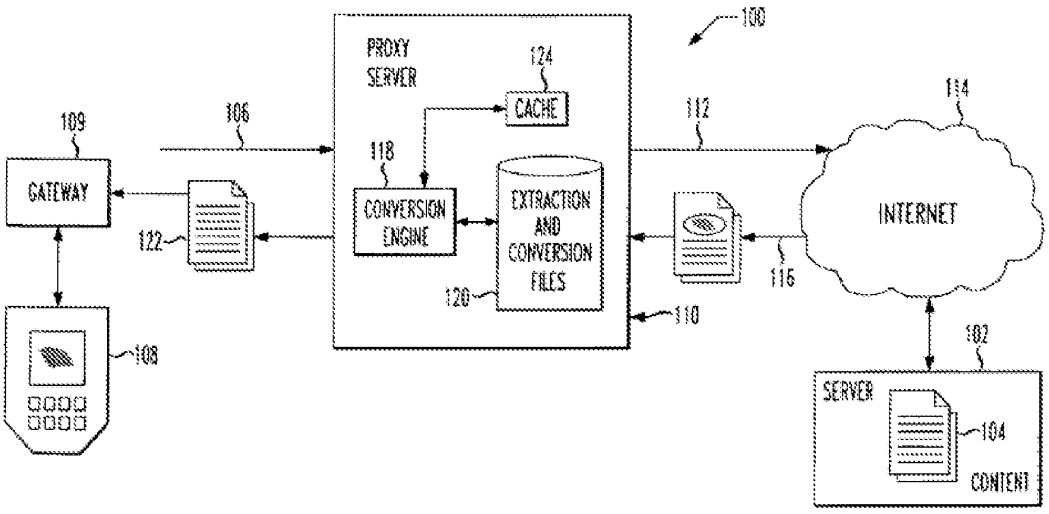


Figure 1, above, illustrates an architecture 100, including proxy server 110 which reformats/converts web content 104 on origin web server 102 into format 122 readable on mobile device 108 (which can be any number of different mobile device types). *Id.* at 3:21–30.

4. Squibbs (Ex. 1011)

Squibbs is a U.S. patent application publication titled "Location-informed Camera." Ex. 1011, code (54) (capitalization and bold omitted). Squibbs describes a photo system in which a digital camera is provided with

location determining means, such as a GPS receiver. *Id.* ¶ 31. Each photo is stamped with location data indicating where the photo was taken. *Id.* Squibbs further describes:

> Other data may also be associated with each photo, such as a timestamp, a camera ID, and a user ID; such associated data (including the location data) is herein referred to as photo meta data. The photos and their meta data are downloaded by any suitable means (USB connection, removable storage device, etc) into a PC 5 where an album program 50 serves to store the photos in a photo store 7 and the photo meta data in a meta-data database 9.

Id.

5. McElfresh (Ex. 1014)

McElfresh is a U.S. patent titled "Method and System for Optimum Placement of Advertisements on a Webpage." Ex. 1014, code (54) (capitalization and bold omitted). McElfresh describes a server which generates a set of ads which have been optimized for placement on a webpage based on a calculated click-through-percentage. *Id.* at 6:36–48. The website requests ads from the server and the server delivers a set of ads for display to the user which have been optimized for increased click-throughs, and/or increased revenue generation. *Id.* at 8:9–14. The optimizer system can be overridden and an advertiser can purchase the right to an entire section of a website without having to compete their way into a position on a page. *Id.* at 12:50–54.

6. Harvey (Ex. 1010)

Harvey is a U.S. patent titled "System and Method for Information and Application Distribution." Ex. 1010, code (54) (capitalization and bold omitted).

Figure 2, reproduced below, is a flowchart illustrating steps in creating a community according to an embodiment. *Id.* at 3:52–53.

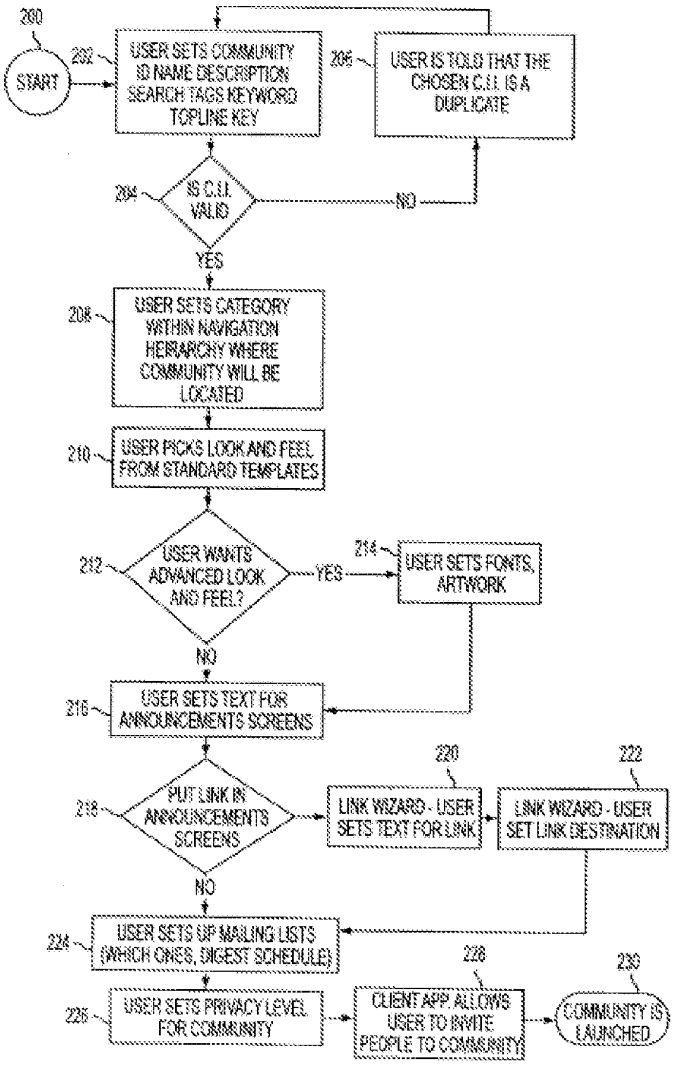


FIG. 2

In Figure 2 above, at step 200, a creator accesses community creating module 165 through central controller module 115. *Id.* at 7:49–66. At step 202, a creator provides community identification information (for example, a community name or description) to central controller module 115. *Id.* "At step 210, a configuration editor is presented to a creator. A configuration

editor may allow a user to build a community, designate content and application objects, subscribe to subscription objects, and add other information associated with the community." *Id.* at 8:63–67. "At step 230, a creator may launch a community." *Id.* at 12:67–13:1.

F. Obviousness Based on Neibauer, Ausems, and Cheng (Ground 1)

Petitioner contends that claims 1–3, 6–9, 12–14, and 17–18 are obvious over Neibauer in view of Ausems and Cheng. Pet. 11–44. Petitioner provides a claim-by-claim analysis, supported by the testimony of Dr. Madisetti. *See* Pet. 11–44; Ex. 1002 ¶¶ 38–152.

Patent Owner contends Petitioner's combination of Neibauer and Cheng does not disclose the claimed invention and Petitioner's motivation to combine Neibauer and Cheng is deficient. Prelim. Resp. 25–37; *see also* Prelim. Resp. 17–25. Patent Owner provides analysis, supported by the testimony of Dr. Almeroth. *See* Prelim. Resp. 17–37; Ex. 2001 ¶¶ 45–94.

In particular, Patent Owner contends that "Neibauer and Cheng do not satisfy the 'receiving . . . from a mobile device' claim limitations." Prelim. Resp. 26.

1. Rationale to Combine Neibauer, Ausems, and Cheng

Petitioner contends that "[i]t would have been obvious to combine Neibauer with Cheng, predictably resulting in the club features relied upon in Neibauer being made available to mobile devices over the Internet." Pet. 17. Petitioner explains that "[u]nder the proposed combination, the web pages in Neibauer . . . would have been translated and delivered to mobile devices using the techniques in Cheng." *Id.* (citing Ex. 1002 ¶ 101). Petitioner asserts that "[t]he proposed combination of Neibauer and Cheng would have been exceedingly straightforward as Cheng provides 'bolt-on'

functionality, with the proxy server capable of converting and reformatting any existing HTML-based web page into a format suitable for display on a mobile device." Pet. 20 (citing Ex. 1002 ¶¶ 102, 106–107; Ex. 1005, 2:30–32).

Petitioner asserts that "Neibauer itself expressly suggests the proposed combination by disclosing services such as 'Yahoo! Mobile' and 'Yahoo! To Go' that enabled content from Yahoo! services to be provided to mobile devices." Pet. 20 (citing Ex. 1003, 166–174). Petitioner argues that "[a] skilled artisan would also have been motivated to make the club features available to mobile devices to take advantage of growing popularity of mobile computing and mobile devices," and that "[m]arket forces would thus have motivated a skilled artisan to combine Neibauer with Cheng in order to provide the club functionalities to users of mobile devices." Pet. 20–21 (citing Ex. 1002 ¶¶ 105–106).

Petitioner also argues that "Cheng provides a further express motivation to combine by explaining that the proxy server conversion method provides a 'create-once, deliver anywhere approach' that eliminates the need to build and maintain separate web pages for different types of mobile devices and browsers." Pet. 21 (citing Ex. 1005, 2:8–19). Petitioner asserts that "[a] skilled artisan would also have had a reasonable expectation of success as Cheng relies on known and industry-standard technologies." Pet. 22 (citing Ex. 1002 ¶ 108).

With respect to Ausems, Petitioner contends that "[i]t would have been obvious to combine Neibauer and Cheng with Ausems, predictably resulting [in] the system under the proposed combination, further adapted such that the processing element would have received a photo captured by

the mobile device itself." Pet. 25 (citing Ex. 1002 ¶ 122). Petitioner asserts that "[a]n ordinarily skilled artisan would have been motivated to combine [these references], as the ability to share media data captured by the mobile device would have expanded the universe of image data that the club member could share with others." Pet. 26 (citing Ex. 1002 ¶ 124). Petitioner argues that "[a] skilled artisan would also have had a reasonable expectation of success, as mobile communications devices with digital cameras and the ability to transmit captured images were known." Pet. 26 (citing Ex. 1002 ¶ 125).

Patent Owner argues that "Petitioner's bare assertion that it would have been obvious to provide Clubs through Yahoo! Mobile and/or Yahoo! To Go is purely conclusory and unsupported by record evidence." Prelim. Resp. 31 (citing Ex. 2001 ¶¶ 77, 53–66) (internal citation omitted). Patent Owner asserts that "the primitive Yahoo! services available on a PDA via Yahoo! Mobile and Yahoo! To Go reflected the 'limited memory, slow data transmission, and small screens' the experts agree were available on mobile devices at the time," and that "Neibauer's Yahoo! Mobile and Yahoo! To Go examples do not show any comparable functionality" to the "desktop browser views of some of the Clubs functionality Petitioner relies on." Prelim. Resp. 29–31 (citing Ex. 2001 ¶¶ 64–70; Ex. 1002 ¶ 63; Ex. 1003, 171, 483, 478; Ex. 1012, 320). Patent Owner argues that "the story told by the record evidence is that Yahoo! did not already provide Clubs functionality through Yahoo! Mobile and Yahoo! To Go was because contemporaneous mobile devices were incapable of supporting it." Prelim. Resp. 31 (citing Ex. 2001 ¶¶ 58, 61–66).

With respect to the addition of Cheng, Patent Owner argues that "there is no record evidence if and how Cheng's translation tool could have been successfully applied to the Clubs webpages for any mobile devices available at the time, and, if so, whether the functionalities Petitioner relies on still would have worked." Prelim. Resp. 33 (citing Ex. 2001 ¶ 80). Patent Owner also argues that "[i]f such transcoding proxy servers were already in commercial use, there would have been no need and thus no motivation for a POSITA to start over with Cheng rather than just using an already available proxy—if indeed a POSITA would have seen a transcoding proxy server as a viable solution at all." Prelim. Resp. 33. Patent Owner points out that "Cheng acknowledges only two ways for a mobile device to route requests through its proxy server," and that "[e]ither possibility would be awkward for a mobile device user wanting to view a website of an enterprise that employed Petitioner's Neibauer-Cheng combination." *Id.* at 34. Patent Owner contends that "[t]hese unnecessary contortions would be unacceptable to a user, and would discourage a POSITA from designing a mobile-capable website by crudely 'bolting on' a Neibauer web server and Cheng proxy server as Petitioner suggests." *Id.*

Patent Owner also contends that a person of ordinary skill in the art "would have no idea whether [Cheng's] disclosed system would work at all to translate the Clubs web pages to [a] form viewable on a mobile device available at the time—much less with all of the functionality usable that Petitioner relies on—and would have to engage in undue experimentation to determine which of Cheng's SW-Transforms might work." Prelim. Resp. 35–36. Patent Owner argues that "Cheng's proxy server is only designed for downstream content delivery and Yahoo! Clubs requires two-way

interaction and transfer of content, and modifying Cheng to do so would be outside the capabilities" of a person of ordinary skill in the art. *Id.* at 36 (citing Ex. 2001 ¶ 94).

An obviousness determination "does not require that a particular combination must be the preferred, or the most desirable, combination described in the prior art in order to provide motivation for the current invention." *In re Fulton*, 391 F.3d 1195, 1200 (Fed. Cir. 2004). Oftentimes, the strongest rationale for combining references is a recognition, expressly or impliedly in the prior art or drawn from a convincing line of reasoning based on established scientific principles or legal precedent, that some advantage or expected beneficial result would have been produced by their combination. *In re Sernaker,* 702 F.2d 989, 994–995 (Fed. Cir. 1983). Indeed, the Federal Circuit has repeatedly held that

> an implicit motivation to combine exists not only when a suggestion may be gleaned from the prior art as a whole, but when the "improvement" is technology-independent and the combination of references results in a product or process that is more desirable, for example because it is stronger, cheaper, cleaner, faster, lighter, smaller, more durable, or more efficient. Because the desire to enhance commercial opportunities by improving a product or process is universal—and even common-sensical—we have held that there exists in these situations a motivation to combine prior art references even absent any hint of suggestion in the references themselves. In such situations, the proper question is whether the ordinary artisan possesses knowledge and skills rendering him capable of combining the prior art references.

Dystar Textilfarben GmbH & Co. Deutschland KG v. C.H. Patrick, 464 F.3d 1356, 1368 (Fed. Cir. 2006).

Dr. Madisetti articulates this very rationale by testifying that

> [t]he techniques of Cheng would have provided a distinct technological advantage by allowing the club system described in Neibauer to be delivered to mobile devices by converting web pages provided via Neibauer, thus obviating the need for the Yahoo! server to generate multiple different versions of those web pages (including potentially multiple mobile versions based on different mobile device and browser types), thus making it considerably simpler to provide club functionality to the web browsers of mobile devices.

Ex. 1002 ¶ 106.

Dr. Almeroth, however, testifies that "Yahoo! Clubs requires two-way interaction and transfer of content . . . while Cheng's proxy server is only configured to handle content delivery in a single, downstream direction." Ex. 2001 ¶ 94. But, as Dr. Madisetti explains, and as Cheng makes clear, there is *two-way* communication occurring between mobile device 108 and proxy server 110 in Cheng. As shown in Cheng's Figure 1, mobile device 108 can issue a request 106 to proxy server 110 for an original web page 104 using standard HyperText Transport Protocol (HTTP), as was well-known in the art, with the request 106 being received by proxy server 110. Pet. 16–17 (citing Ex. 1005, Fig. 1, 2:19–21, 3:58–67, 7:65–8:2; Ex. 1002 ¶¶ 65, 99). Proxy server 110 then converts and/or reformats original web page 104 into reformatted web page 122 (shown in Figure 1), which is transmitted to mobile device 108. Pet. 17 (citing Ex. 1005, 2:24–29, 5:46–49, 4:56–60). As Cheng explains, "[t]he designated HTML content of the retrieved web page 104 is extracted, subsequently and/or converted, and transmitted as a reformatted web page 122 to the mobile device 108." Ex. 1005, 5:46–49; *see also id.*, 3:22–26.

Dr. Almeroth also testifies that a person of ordinary skill in the art "would have had to engage in an undue level of experimentation to

determine whether . . . Neibauer's web pages might be converted through some combination of Cheng's SW-Transforms . . . in a way that the web pages could be viewed on the mobile device at all." Ex. 2001 ¶ 93. Yet, Cheng teaches just such a methodology for converting web pages so that they may be viewed on mobile devices. Cheng explains that "[b]ecause of the explosion of mobile enterprise solutions, users of wireless devices now demand that businesses deliver web content for viewing on desktop, or mobile/portable (e.g., handheld) devices." Ex. 1005, 1:19–22.

As Patent Owner acknowledges, Cheng accomplishes this by using "SW-Transforms" to alter the content of an original website to make the remainder viewable on a given mobile device. Patent Owner acknowledges that Cheng discloses SW-Transforms that can be applied on a device-specific basis (to conform all web pages to some specific constraint of a certain mobile device) and a site-specific basis (to adapt the contents of a certain web page or group of pages on a web site for all mobile devices). Ex. 2001 ¶ 74 (citing Ex. Ex. 1005, 11:45–62; 12:25–31). In addition, Cheng discloses "global conversions" that "change or format web content on all web pages . . . for either one type of device or all devices." Ex. 1005 12:32–35; Fig. 2.

On this preliminary record, we credit Dr. Madisetti's testimony, which aligns with the purpose and the methodology described in Cheng. Here, Dr. Madisetti testifies that combining the Yahoo! Clubs features of Neibauer with the teachings of Cheng, would

> involve nothing more than straightforward web programming techniques relying on standard technologies such as HTTP, HTML, and could have been implemented using off-the-shelf web browser and web server software. With respect to Cheng, it

> discloses known techniques for converting HTML documents into formats suitable for wireless mobile devices. Wireless web browsing was well-known as evidenced by the existence of industry standard technologies such as Wireless Application Protocol (WAP) and the Wireless Markup Language (WML), an XML-based markup language for describing pages for viewing on mobile devices. Proxy server techniques, as explained previously, were also well-known and commercially available. An ordinarily skilled artisan would have found the disclosures of Neibauer and Cheng sufficiently detailed to implement the techniques on which I rely, without undue experimentation.

Ex. 1002 ¶ 108.

The web programming techniques described by Dr. Madisetti would have been well within the command of a person of ordinary skill in the art given the qualifications agreed upon by the parties in this proceeding, which include "a bachelor's degree in electrical engineering, computer science, or similar field, with two years of experience in developing and implementing network-based computer systems that interact with mobile devices, such as systems for storing and retrieving information over the Internet or communicating using the Web using wireless mobile devices." *See* Pet. 5–6 (citing Ex. 1002 ¶¶ 14–18); Prelim. Resp. 16.

Based upon the present record, we determine that Petitioner has made a sufficient showing that one of ordinary skill in the art would have had a reason to combine the asserted art in the manner described by Petitioner. We, therefore, find that Petitioner has shown sufficiently for purposes of institution that a person of ordinary skill in the art at the time of the claimed invention would have had reason to combine the teachings Neibauer, Cheng, and Ausems in the manner described, and would have had a reasonable expectation of success in so doing.

2. Independent Claim 1 - Contested Limitations

Patent Owner contends that Petitioner's proposed combination of asserted art does not satisfy the "receiving . . . from a mobile device" limitations of claim 1. *See* Prelim. Resp. 25–27. The relevant portions of claim 1 read as follows:

[1[c]] *the processing element being configured:*

[1[c][1]] *to receive first device-captured data from a first one of the mobile devices via the network interface*;

[1[c][2]] *to receive second device-captured data from a second one of the mobile devices via the network interface*. Ex. 1001, 19:33–37.

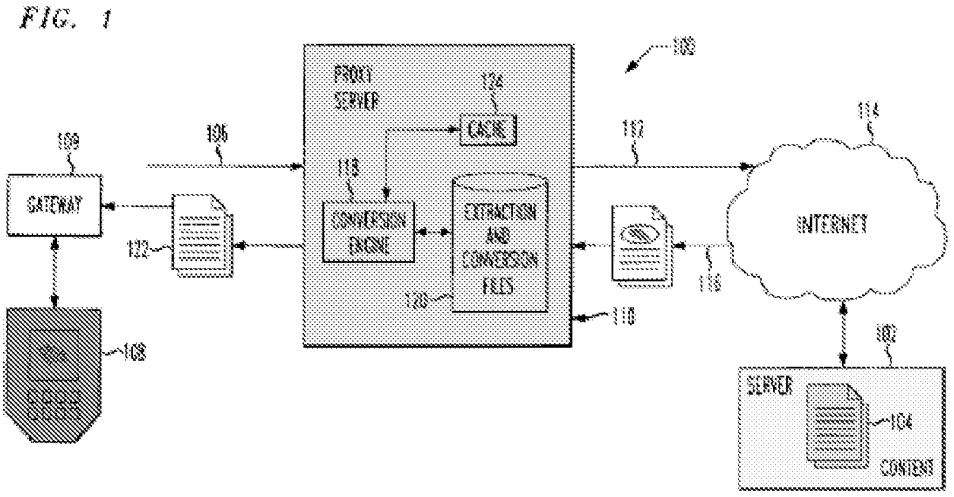
For these limitations, Petitioner asserts that "Neibauer discloses features of a Yahoo! service known as Yahoo! Clubs." Pet. 11 (citing Ex. 1003, 473–483). According to Petitioner, "Neibauer explains that '[a] *club* is a group of Yahoo! members who share a common interest. Each club has its own message board, chat room, as well as places to share photographs, news, addresses, and links." Pet. 11 (citing Ex. 1003, 473) (italics in original). With respect to the photo sharing feature, Neibauer explains that "[t]he Photos option in the Our Pages section lets members share photographs and other graphics. Each club is given 5 MB of space to store photographs. The photos are organized into up to 30 albums." Ex. 1003, 477. Petitioner explains that "[i]n order to add a photograph to an album, the user identifies the location of the photo and enters a name and description of the photo that will be uploaded." Pet. 12 (citing Ex. 1003, 478).

Petitioner contends that

> [c]ommunicating with a plurality of "mobile devices" would also have been obvious over Neibauer and in further view of Cheng

> (EX1005). Cheng relies on an already-established technology known as "proxy servers," which were commonly used to provide security and interoperability between devices. (EX1002, ¶63.) Cheng relies on this proxy server concept to convert non-mobile webpages into a format accessible by mobile devices.

Pet. 15. Cheng's Figure 1, annotated by Petitioner, is shown below.



Petitioner explains that "[t]he right side of Figure 1 above shows an origin web server 102 [in yellow] that contains original web page 104[6]," and "[t]he left shows a mobile device 108 [in red] connected to proxy server 110 [in green], optionally through gateway 109." Pet. 15 (citing Ex. 1005, 3:32–37). According to Petitioner

> mobile device 108 can issue a request 106 for an original web page 104 using standard HyperText Transport Protocol (HTTP), as was well-known in the art, with the request 106 being received by proxy server 110. (Cheng, Fig. 1, 2:19-21, 3:58-67, 7:65-8:2; EX1002, ¶¶65, 99.) "Upon determining that the requested page

[6] Cheng explains that "web page 104 is typically an HTML file with references to any component .wav, .mov, and/or Joint Photographic Experts Group (JPEG) files, which together comprise the web page 104." Pet. 15 (citing Ex. 14005, 4:10–13).

> 104 resides at the server 102, the proxy server 110 makes a request 112 for the page. As shown, the proxy server 110 and the server 102 are connected via a network 114 such as the Internet." (Cheng, 3:65-4:2; *see also id.*, 2:21-24.) Proxy server 110 then converts and/or reformats original web page 104 into reformatted web page 122 (shown in Figure 1), which is transmitted to mobile device 108. (Cheng, *e.g.*, 2:24-29, 5:46-49, 4:56-60.) "The designated HTML content of the retrieved web page 104 is extracted, subsequently and/or converted, and transmitted as a reformatted web page 122 to the mobile device 108." (Cheng, 5:46-49; *see also id.*, 3:22-26.) The proxy server can also perform conversion on images on the web page to enable viewing on a mobile device, for example, by scaling and reducing colors and resolution. (Cheng, Fig. 7 (704, 706, 708), 10:60-11:8.)

Pet. 17.

Petitioner argues that "Neibauer, alone and in combination with Cheng, therefore renders obvious the processing element being configured '**to receive first device-captured data from a first one of the mobile devices via the network interface**,' by allowing the user to upload a photo over the Internet using its mobile device." Pet. 23. Petitioner asserts that "[i]t would have been obvious that the photo would have been '**first device-captured data**,'" such as a digital photograph. *Id.* (citing Ex. 1002 ¶ 117; Ex. 1003, 478, Fig. 21-10 (showing exemplary club photo album listing photos of Denise Richards and Famke Janssen).

Petitioner argues that

> The photo would have been received by the server from the mobile device, and more specifically under the proposed combination with Cheng, by the proxy server 110 and origin web server 102. The photo would also have been received "via the network interface," as explained in 1[b], because that interface would have facilitated communications between the mobile device and the processing element over the Internet. (Cheng,

> 3:67-4:2 ("As shown [in Figure 1], the proxy server 110 and the server 102 are connected via a network 114 such as the Internet.").)

Pet. 23.

> Patent Owner argues that
>
> Neibauer and Cheng do not satisfy the 'receiving . . . from a mobile device' claim limitations even if combined. Even if the mobile device could have supported all of the Clubs website functionality such that it could have engaged in upstream data transfer as Petitioner relies on, that is only half the battle: the Cheng proxy server would have had to have been designed to support such upstream data transfer. EX2001 ¶86. Cheng is explicitly designed for one-way data transfer in response to a request from a mobile client.

Prelim. Resp. 26 (citing Ex. 2001 ¶¶ 75–76, 80).

> Patent Owner also argues that
>
> [u]nlike downloading data to a client, which a server does in response to a specific request, uploading data to a server often implies a persistent connection between the two, which among other things requires the server to keep track of the client's state. *Id.* ¶86. An intermediary such a proxy server, which again presents itself to the content server as and plays the role of the client, would have to account for issues like persistent connections with and state tracking of the actual client using the proxy server.

Prelim. Resp. 26. Patent Owner argues that "Cheng's disclosure of a cache . . . would directly interfere with the sort of two-way communication scheme Petitioner advances." *Id.* at 27 (citing Ex. 2001 ¶ 87).

We disagree with Patent Owner. Patent Owner's arguments directed at Cheng, including the "Cheng proxy server would have had to have been designed to support . . . upstream data transfer," "keep track of the client's state," "account for issues like persistent connections," and "Cheng's

disclosure of a cache," do not demonstrate that Petitioner's proposed combination of Neibauer, Ausems, and Cheng in somehow untenable. *See* Prelim. Resp. 26. One cannot show non-obviousness by attacking references individually where, as here, the proposed rejections are based on combinations of references. *Id.* To justify combining reference teachings it is not necessary that a device shown in one reference can be physically inserted into the device shown in the other. The test for obviousness is not whether the features of a secondary reference may be bodily incorporated into the structure of the primary reference; nor is it that the claimed invention must be expressly suggested in any one or all of the references. Rather, the test is what the combined teachings of the references would have suggested to those of ordinary skill in the art. *In re Keller*, 642 F.2d 413, 425 (CCPA 1981) (citations omitted).

Here, Petitioner provides sufficient evidence of how a person of ordinary skill in the art would have combined the teachings of Neibauer, Ausems, and Cheng to meet the contested limitations of claim 1. Petitioner relies on Neibauer's explanation that the photo sharing feature of Yahoo! Clubs allows club members to upload photos into their group albums. Ex. 1003, 473–483. Dr. Madisetti testifies that with respect to the recited "*apparatus*" of claim 1, "it would have been obvious . . . to make the clubs features of Neibauer available to club members via mobile devices." Ex. 1002 ¶ 94.

Moreover, Petitioner points out that

> [t]he '348 patent itself expressly defines a "mobile device" as including, among other things, a laptop computer. ('348, 4:45-55.) It was well-known that conventional laptop computers provided the same functionality as desktop computers and could

> run web browser software and visit web pages on the Internet. (EX1002, ¶112.) It therefore would have been obvious that the Yahoo! website, including the club photo sharing feature discussed above, would have been accessible to a user of a mobile device such as a laptop computer. (*Id.*)

Pet. 13–14.

Dr. Madisetti also testifies that Cheng "provides mobile functionality by disclosing a system and method for dynamically reformatting or converting existing web content into a format suitable for mobile devices." *Id.* ¶ 95. Cheng describes how "proxy server 110 reformats/converts web content 104 on an origin web server 102 into a format 122 readable on any mobile device 108." Ex. 1005, 3:22–26. Dr. Madisetti testifies how Cheng's "proxy server can also perform conversion on images on the web page to enable viewing on the mobile device." Ex. 1002 ¶ 100 (citing Ex. 1005, Fig. 7, 10:60–11:8).

Given this evidence, and notwithstanding Patent Owner's evidence and arguments, including the testimony of Dr. Almeroth, we are persuaded that Petitioner has demonstrated sufficiently for purposes of institution that the teachings of Neibauer, Ausems, and Cheng meet limitation 1[c], "*to receive [first/second] device-captured data from a [first/second] one of the mobile devices via the network interface*, of independent claim 1.

3. Independent Claim 1 – Uncontested Portions

Patent Owner does not expressly contest the remaining portions of independent claim 1. *See* Prelim. Resp. 17–27. The uncontested portions of claim 1 include:

[preamble] *An apparatus comprising:*

[1[a]] *a processing element comprising a processor coupled to a memory; and*

[1[b]] *a network interface coupled to the processing element and configured to communicate with a plurality of mobile devices over at least one network;*

[1[c]] *the processing element being configured:*

[1[c][3]] *to integrate the first and second device-captured data into a web-based shared information channel controllably accessible to first and second users of the respective first and second mobile devices via respective personalized content applications of the first and second mobile devices.* Ex. 1001, 19:27–44.

Petitioner provides evidence and argument, supported by the testimony of Dr. Madisetti, that these uncontested portions of claim 1 are met by Petitioner's proposed combination of Neibauer, Ausems, and Cheng, and that at the time of the claimed invention, claim 1 would have been obvious to a person of ordinary skill in the art. *See* Pet. 11– 17, 27–34; Ex. 1002 ¶¶ 92–100, 109–113, 127–133.

After reviewing Petitioner's arguments and evidence concerning these portions of claim 1, which are not contested by Patent Owner at this stage of the proceeding (*see* Prelim. Resp.), we are persuaded that Petitioner has demonstrated sufficiently for purposes of institution that the combined teachings of Neibauer, Ausems, and Cheng meet the uncontested portions of claim 1.

4. Conclusion as to Independent Claim 1

We have considered Petitioner's evidence and arguments that the limitations of claim 1 are met by the combined teachings of Neibauer, Ausems, and Cheng. Based on this preliminary record, and for the reasons given by Petitioner and those summarized above, we are persuaded that

Petitioner has demonstrated sufficiently for purposes of institution that the combined teachings of Neibauer, Ausems, and Cheng meet the limitations of independent claim 1 and that a person of ordinary skill in the art at the time of the claimed invention would have had reason to combine their teachings in the manner described, and would have had a reasonable expectation of success in so doing.

5. Remaining Claims 2, 3, 6–9, 12–14, 17, and 18

Petitioner contends that remaining claims 2, 3, 6–9, 12–14, 17, and 18 would have been rendered obvious by the combined teachings of Neibauer, Ausems, and Cheng. Pet. 34–44. Petitioner provides a detailed claim analysis, supported by the testimony of Dr. Madisetti. *Id.*; *see also* Ex. 1002 ¶¶ 134–152.

Patent Owner does not specifically address Petitioner's evidence and arguments directed to these remaining claims at this stage of the proceeding. *See* Pet. 17–36; Ex. 2001 ¶¶ 77–94.

We have considered Petitioner's evidence and arguments with respect to these remaining claims. Because we determine that Petitioner demonstrates a reasonable likelihood of prevailing in its challenge to independent claim 1 under 35 U.S.C. § 103(a) as obvious over Neibauer, Ausems, and Cheng, we institute *inter partes* review as to all other challenges in the Petition, including Petitioner's challenges to remaining claims 2, 3, 6–9, 12–14, 17, and 18. *See PGS Geophysical AS v. Iancu*, 891 F.3d 1354, 1360 (Fed. Cir. 2018).

G. Remaining Grounds 2–6

Petitioner contends claims 4–5 are obvious over Neibauer, Ausems, Cheng, and Squibbs (Ground 2) (Pet. 44–52); claims 10–11, 15–16, and 19–

20 are obvious over Neibauer, Ausems, Cheng, and McElfresh (Ground 3) (Pet. 52–62); claims 1–3, 6–9, 12–14, and 17–18 are obvious over Neibauer, Ausems, Cheng, and Harvey (Ground 4) (Pet. 3, 62–66); claims 4–5 are obvious over Neibauer, Ausems, Cheng, Squibbs, and Harvey (Ground 5) (Pet. 3, 62–66); and claims 10–11, 15–16, and 19–20 are obvious over Neibauer, Ausems, Cheng, McElfresh, and Harvey (Ground 6) (Pet. 3, 62–66).

We have considered Petitioner's evidence and arguments with respect to these other grounds. Because we determine that Petitioner demonstrates a reasonable likelihood of prevailing in its challenge to independent claim 1 under 35 U.S.C. § 103(a) as obvious over Neibauer, Ausems, and Cheng (Ground 1), we institute *inter partes* review as to all other challenges in the Petition, including Petitioner's challenges under Grounds 2–6. *See PGS Geophysical AS v. Iancu*, 891 F.3d 1354, 1360 (Fed. Cir. 2018).

IV. CONCLUSION

For the foregoing reasons, we have determined that there is a reasonable likelihood that Petitioner would prevail with respect to at least one of the claims challenged in the Petition. We therefore institute trial as to all challenged claims on all grounds asserted in the Petition.

At this preliminary stage of the proceeding, we have not made a final determination as to the patentability of any challenged claim or any factual or legal issue underlying the patentability inquiry. Any final determination will be based on the complete record developed during trial. We place Patent Owner on express notice that any argument not asserted in a timely-filed Response to the Petition, or in another manner permitted during trial,

shall be deemed waived, even if that argument was presented in the Preliminary Response.

V. ORDER

Upon consideration of the record before us, it is

ORDERED that *inter partes* review of claims 1–20 of the '348 patent is instituted as to all challenged claims on all grounds raised in the Petition;

FURTHER ORDERED that pursuant to 35 U.S.C. § 314(c) and 37 C.F.R. § 42.4, notice is hereby given of the institution of a trial; the trial will commence on the entry date of this Decision.

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