

Receipt date: 01/06/2011

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

Application Number	12548928
Filing Date	2009-08-27
First Named Inventor	David W. Harper
Art Unit	2447
Examiner Name	Jude Jean Gilles
Attorney Docket Number	1018-2 CON

/JJ/	1	G.Q. HUANG et al., "Agent-based workflow management in collaborative product development on the Internet," Computer-Aided Design, 2000, pp. 133-144, vol. 32, Elsevier Science Ltd.	☐
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Examiner Signature	/Jude Jean-Gilles/ (02/08/2011)	Date Considered	
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12548928 - GAU: 2447

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (07-09)

Approved for use through 07/31/2012. OMB 0651-0031

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U.S.PATENTS						
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	1	6553412	B1	2003-04-22	Kloba et al.	
	2	6658464	B2	2003-12-02	Reisman	
	3	6769009	B1	2004-07-27	Reisman	
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U.S.PATENT APPLICATION PUBLICATIONS

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	4	6438575		2002-08-20	Khan et al.	
	5	6421717		2002-07-16	Kloba et al.	
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	1	Bolt.com, "Info," archived at http://web.archive.org/web/20011203081451/www.bolt.com/info/default.asp	☐
	2	Peperonity.com, "Peperonity," archived at http://web.archive.org/web/20030330223112/http://peperonity.com/	☐

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FORM PTO-1449 (MODIFIED)

LIST OF PUBLICATIONS FOR
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DISCLOSURE STATEMENT



12548928 - GAU: 2443

Applicant(s): D.W. Harper et al.
Case: 1018-2
Serial No.: 10/464,526
Filing Date: June 18, 2003
Group: 2127

U.S. PATENT DOCUMENTS

EXAMINER		DOCUMENT NO.	DATE	NAME	CLASS/SUBCLASS	FILING DATE
INITIAL						IF APPROPRIATE
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EXAMINER		DOCUMENT NO.	DATE	COUNTRY	CLASS/SUBCLASS	TRANSLATION	
INITIAL						YES	NO
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OTHER DOCUMENTS

EXAMINER		REF NO.	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
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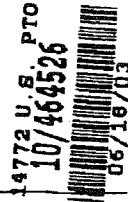
Page 1 of 2

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /JJ

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DISCLOSURE STATEMENT

Applicant(s): D.W. Harper et al.
 Case: 1018-2
 Serial No.: TBA
 Filing Date: June 18, 2003
 Group: TBA



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EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS/SUBCLASS	FILING DATE IF APPROPRIATE
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EXAMINER INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS/SUBCLASS	TRANSLATION YES NO
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[Signature] *12/03/06*
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Page 1 of 2

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Notice of References Cited	Application/Control No. 12/548,928		Applicant(s)/Patent Under Reexamination HARPER ET AL.	
	Examiner JUDE J. JEAN GILLES		Art Unit 2443	Page 1 of 1

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*	A	US-7,599,983	10-2009	Harper et al.	709/200
*	B	US-6,356,543	03-2002	Hall et al.	370/352
	C	US-			
	D	US-			
	E	US-			
	F	US-			
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	J	US-			
	K	US-			
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	N					
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	Q					
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1	Transcript of Claim Construction Hearing, Wireless Ink Corporation v. Facebook, Inc., Case No. 10-CV-1841 (PKC), S. D.N.Y., Oct. 21, 2010, 75 pages.	☐
2	Memorandum and Order, Wireless Ink Corporation v. Facebook, Inc., Case No. 10-CV-1841 (PKC), S.D.N.Y., May 26, 2011, 29 pages.	☐
3	Excerpt of Facebook's Response to Wireless Ink's Interrogatory No. 9, Wireless Ink Corporation v. Facebook, Inc., Case No. 10-CV-1841 (PKC), S.D.N.Y., June 22, 2011, pp. 29-36.	☐
4	Exhibit A of Facebook's Response to Wireless Ink's Interrogatory No. 9, Wireless Ink Corporation v. Facebook, Inc., Case No. 10-CV-1841 (PKC), S.D.N.Y., June 22, 2011, 6 pages.	☐
5	Excerpt of Google's Response to Wireless Ink's Interrogatory No. 9, Wireless Ink Corporation v. Facebook, Inc., Case No. 10-CV-1841 (PKC), S.D.N.Y., June 22, 2011, pp. 20-32.	☐
6	Exhibit A of Google's Response to Wireless Ink's Interrogatory No. 9, Wireless Ink Corporation v. Facebook, Inc., Case No. 10-CV-1841 (PKC), S.D.N.Y., June 22, 2011, 131 pages.	☐
7	Amended Answer of Defendant MySpace, Inc., Wireless Ink Corporation v. Facebook, Inc., Case No. 11-CV-1751 (PKC), Document No. 42-1, S.D.N.Y., June 8, 2011, pp. 1-9.	☐
8	K. MALY ET AL., "Personalized Portal for Wireless Devices," included as Exhibit B of Amended Answer of Defendant MySpace, Inc., Wireless Ink Corporation v. Facebook, Inc., Case No. 11-CV-1751 (PKC), Document No. 42-3, S.D.N. Y., June 8, 2011, 3 pages.	☐
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10	J. KOLARI ET AL., "Net in Pocket? Personal mobile access to web services," VTT Publications 464, Finland, April 2002, 145 pages.	☐
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12	J. UDELL, "Hyperlinks matter," InfoWorld, May 20, 2002, pages 15-16.	☐
13	R. VOGLES, "Ihre mobile Homepage," PC Pr@xis, August 2001, 6 pages (including translation).	☐
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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

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

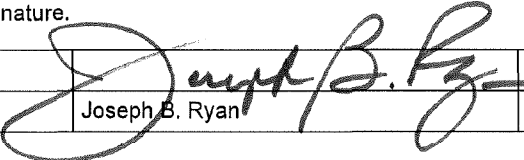
☐ See attached certification statement.

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

☐ None

SIGNATURE

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

Signature		Date (YYYY-MM-DD)	2011-10-20
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.**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s): D. W. Harper et al.
Docket No.: 1018-2 CON2
Serial No.: 13/027,519
Filing Date: February 15, 2011
Group: 2447
Examiner: Jude Jean Gilles

Title: Method, Apparatus and System for Management of Information Content
for Enhanced Accessibility over Wireless Communication Networks

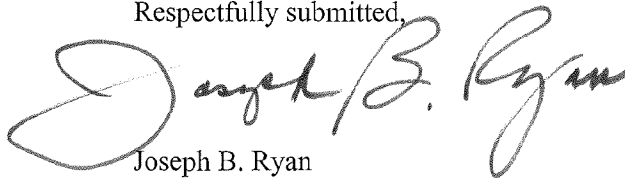
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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

Sir:

The references submitted with this Supplemental IDS have recently come to the attention of the undersigned in conjunction with on-going litigation involving related U.S. Patent Nos. 7,599,983 and 7,908,342.

Respectfully submitted,



Date: December 28, 2011

Joseph B. Ryan
Attorney for Applicant(s)
Reg. No. 37,922
Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, NY 11560
(516) 759-7517

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-10)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13027519
	Filing Date		2011-02-15
	First Named Inventor	David Walker Harper	
	Art Unit	2447	
	Examiner Name	Jude Jean Gilles	
	Attorney Docket Number	1018-2 CON2	

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	5945989		1999-08-31	Freishtat et al.	
	2	5983227		1999-11-09	Nazem et al.	
	3	6020884		2000-02-01	MacNaughton et al.	
	4	6065120		2000-05-16	Laursen et al.	
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	6	6356905	B1	2002-03-12	Gershman et al.	
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	8	6453361	B1	2002-09-17	Morris	

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	9	6496849	B1	2002-12-17	Hanson et al.	
	10	6668353	B1	2003-12-23	Yurkovic	
	11	6670968	B1	2003-12-30	Schilit et al.	
	12	6757530	B2	2004-06-29	Rouse et al.	
	13	6763388	B1	2004-07-13	Tsimelzon	
	14	6779019	B1	2004-08-17	Mousseau et al.	
	15	6871220	B1	2005-03-22	Rajan et al.	
	16	6993575	B2	2006-01-31	Abkowitz et al.	
	17	7020845	B1	2006-03-28	Gottfurcht et al.	
	18	7203948	B2	2007-04-10	Mukundan et al.	
	19	7380250	B2	2008-05-27	Schechter et al.	

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	20	7475346	B1	2009-01-06	Bullock et al.	
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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	20010034765	A1	2001-10-25	Bimson et al.	
	2	20010044824	A1	2001-11-22	Hunter et al.	
	3	20010054087	A1	2001-12-20	Flom et al.	
	4	20020018078	A1	2002-02-14	Khan et al.	
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	6	20020049831	A1	2002-04-25	Platner et al.	
	7	20020052895	A1	2002-05-02	Keating	
	8	20020054090	A1	2002-05-09	Silva et al.	

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	9	20020090934	A1	2002-07-11	Mitchelmore	
	10	20020091762	A1	2002-07-11	Sohn et al.	
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	14	20020194194	A1	2002-12-19	Fenton et al.	
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	18	20030115288	A1	2003-06-19	Ljubicich et al.	
	19	20030117436	A1	2003-06-26	Kautto-Koivula et al.	

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	Attorney Docket Number	1018-2 CON2	

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FOREIGN PATENT DOCUMENTS

Examiner Initial ¹	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	0054178	WO	A2	2000-09-14			☐
	2	0101586	WO	A2	2001-01-04			☐
	3	0116781	WO	A1	2001-03-08			☐
	4	10-2001-0025658	KR	A	2001-04-06			☐
	5	0135658	WO	A1	2001-05-17			☐
	6	0161560	WO	A1	2001-08-23			☐
	7	0180091	WO	A2	2001-10-25			☐
	8	0182103	WO	A1	2001-11-01			☐
	9	0182139	WO	A1	2001-11-01			☐

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	10	0182621	WO	A1	2001-11-01			☐
	11	2001-0094912	KR	A	2001-11-03			☐
	12	0190873	WO	A1	2001-11-29			☐
	13	1132847	EP	A2	2001-09-12			☐
	14	0206981	WO	A1	2002-01-24			☐
	15	2002-0006722	KR	A	2002-01-26			☐
	16	0217136	WO	A1	2002-02-28			☐
	17	0219153	WO	A1	2002-03-07			☐
	18	0231624	WO	A2	2002-04-18			☐

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	Attorney Docket Number	1018-2 CON2	

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Examiner Signature		Date Considered	
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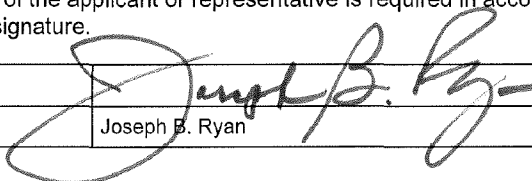
☐ See attached certification statement.

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☐ A certification statement is not submitted herewith.

SIGNATURE

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Signature		Date (YYYY-MM-DD)	2011-12-28
Name/Print	Joseph B. Ryan	Registration Number	37,922

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Patent Application

Applicant(s): D. W. Harper et al.
Docket No.: 1018-2 CON2
Serial No.: 13/027,519
Filing Date: February 15, 2011
Group: 2447
Examiner: Jude Jean Gilles

Title: Method, Apparatus and System for Management of Information Content
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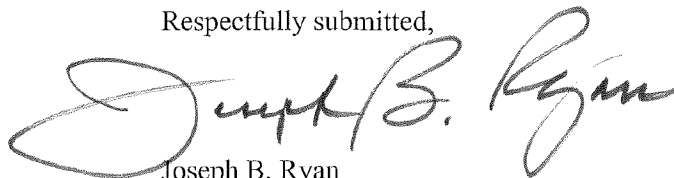
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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

Sir:

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Respectfully submitted,



Date: January 4, 2012

Joseph B. Ryan
Attorney for Applicant(s)
Reg. No. 37,922
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90 Forest Avenue
Locust Valley, NY 11560
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Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-10)

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	Examiner Name	Jude Jean Gilles	
	Attorney Docket Number	1018-2 CON2	

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		
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	Attorney Docket Number	1018-2 CON2	

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2	G. ROSSI ET AL., "Designing Personalized Web Applications," Proceedings of the Tenth International World Wide Web Conference (WWW10), Hong Kong, May 2001, 4 pages.	☐
3	C-H.H. RAO ET AL., "iMobile: a Proxy-Based Platform for Mobile Services," Proceedings of the First Workshop on Wireless Mobile Internet (WMI '01), Rome, Italy, July 2001, 9 pages.	☐
4	G. SAMARAS ET AL., "A Flexible Personalization Architecture for Wireless Internet Based on Mobile Agents," Proceedings of the Sixth East-European Conference on Advances in Databases and Information Systems (ADBIS 2002) Bratislava, Slovakia, September 2002, 14 pages.	☐
5	C.R. ANDERSON ET AL., "Personalizing Web Sites for Mobile Users," Proceedings of the Tenth International World Wide Web Conference (WWW10), Hong Kong, May 2001, 11 pages.	☐
6	J.P. MYSORE ET AL., "A Reconfigurable Stream Orchestration Framework for Mobile Users," Proceedings of the Third International Conference on Mobile Data Management (MDM '02), Singapore, August 2002, 8 pages.	☐
7	P. BRUSILOVSKY., "Adaptive Hypermedia," User Modeling and User-Adaptive Interaction, 2001, pp. 87-110, vol. 11, Kluwer Academic Publishers, Netherlands.	☐
8	J. FREIRE ET AL., "Web Services and Information Delivery for Diverse Environments," Proceedings of the Very Large Data Bases (VLDB) Workshop on Technologies for E-Services, Cairo, Egypt, September 2000, 16 pages.	☐
9	J. FREIRE ET AL. "Web Views: Accessing Personalized Web Content and Services" Proccedings of the Tenth International World Wide Web Conference (WWW10), Hong Kong, May 2001, 11 pages.	☐
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11	N.M. SADEH ET AL. "MyCampus: An Agent-Based Environment for Context-Aware Mobile Services," Proceedings of the Workshop on Ubiquitous Agents on Embedded, Wearable and Mobile Devices, First International Joint Conference on Autonomous Agents & Multiagent Systems, Bologna, Italy, July 2002, 3 pages.	☐

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12	A. TSALGATIDOU ET AL., "Business Models and Transactions in Mobile Electronic Commerce: Requirements and Properties," Computer Networks, 2001, pp. 221-236, vol. 37, Elsevier Science B.V.	☐
13	A. SCHMIDT ET AL., "WAP-Designing for Small User Interfaces," Extended Abstracts, Conference on Human Factors in Computing Systems (CHI 2000), Hague, Netherlands, April 2000, pp. 187-188.	☐
14	N. DASWANI ET AL., "Secure Wireless Aggregation," RSA Conference 2001, San Francisco, CA, April 2001, 10 pages.	☐
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16	R. HAN ET AL. "WebSplitter: A Unified XML Framework for Multi-Device Collaborative Web Browsing," Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW) 2000, Philadelphia, Pennsylvania, December 2000, 10 pages.	☐
17	U. FAROOQ ET AL., "M-Education: Bridging the Gap of Mobile and Desktop Computing," Proceedings of the IEEE International Workshop on Wireless and Mobile Technologies in Education (WMTE '02), Sweden, August 2002, 4 pages.	☐
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19	J. FREIRE, "Using Wrappers for Device Independent Web Access: Opportunities Challenges and Limitations," Extended Abstract Presented at Portland State University, Portland Oregon, February 2003, 12 pages.	☐
20	C. HILLEBRAND ET AL, "Mobile Communities - Extending Online Communities into the Real World," Proceeding of Mobile and Collaborative Business 2002, Germany, 2002, 12 pages.	☐
21	T. HUYNH, "Developing WAP Services with Allaire's ColdFusion," Master's Thesis In Computer Science Final Report, The Royal Institute of Technology, Stockholm, July 2000, 59 pages.	☐
22	S-T. CHENG ET AL., "A New Framework for Mobile Web Services," Proceedings of the 2002 Symposium on Applications and the Internet (SAINT '02w), Japan, January 2002, 5 pages.	☐

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23	Z. LEI ET AL., "Context-Based Media Adaptations in Pervasive Computing," Canadian Conference on Electrical and Computer Engineering, Toronto, Ontario, Canada, May 2001, 7 pages.	☐
24	V. ANUPAM ET AL., "Personalizing the Web Using Site Descriptions," Proceedings of the Tenth International Workshop on Database and Expert Systems Applications, Florence, Italy, 1999, 7 pages.	☐
25	R. BARTA ET AL., "Syndication with JML," Proceedings of the 2000 ACM Symposium on Applied Computing (SAC '00), March 2000, pp. 962-970 vol. 2, Como ,Italy.	☐
26	P. BELLAVISTA ET AL., "A Mobile Agent Infrastructure for Terminal, User and Resource Mobility," 2000 IEEE/IFIP Network Operations and Management Symposium (NOMS), Honolulu, Hawaii, April 2000, 14 pages.	☐
27	Transcript of Claim Construction Hearing, Wireless Ink Corporation v. Facebook, Inc., Case No. 11-CV-1751 (PCK), S. D.N.Y., Nov. 9, 2011, 50 pages.	☐

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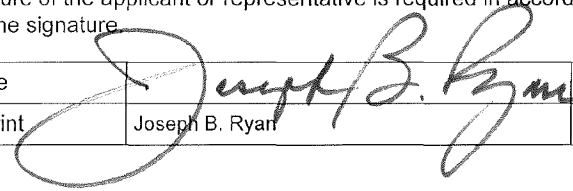
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- ☐ See attached certification statement.
- ☒ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.
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Signature		Date (YYYY-MM-DD)	2012-01-04
Name/Print	Joseph B. Ryan	Registration Number	37,922

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Patent Application

Applicant(s): D. W. Harper et al.
Docket No.: 1018-2 CON2
Serial No.: 13/027,519
Filing Date: February 15, 2011
Group: 2447
Examiner: Jude Jean Gilles

Title: Method, Apparatus and System for Management of Information Content
for Enhanced Accessibility over Wireless Communication Networks

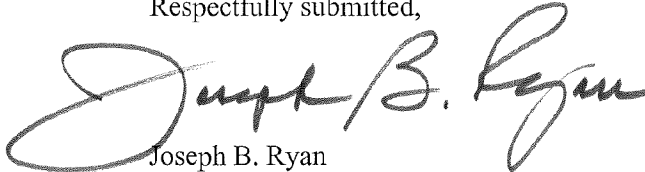
THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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

Sir:

The references submitted with this Third Supplemental IDS have recently come to the attention of the undersigned in conjunction with on-going litigation involving related U.S. Patent Nos. 7,599,983 and 7,908,342.

Respectfully submitted,



Date: January 5, 2012

Joseph B. Ryan
Attorney for Applicant(s)
Reg. No. 37,922
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90 Forest Avenue
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Doc code: IDS

PTO/SB/08a (01-10)

Doc description: Information Disclosure Statement (IDS) Filed

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13027519
	Filing Date		2011-02-15
	First Named Inventor	David Walker Harper	
	Art Unit	2447	
	Examiner Name	Jude Jean Gilles	
	Attorney Docket Number	1018-2 CON2	

U.S.PATENTS								
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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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12	D. POGUE, "Mac OS 9: The Missing Manual," 2000, pp. 243-256, Pogue Press/O'Reilly & Associates, Inc, United States of America.	☐
13	D. POGUE, "Mac OS X: The Missing Manual," 2002, pp. 181-204 and 433-452, Pogue Press/O'Reilly & Associates, Inc, United States of America.	☐
14	T. STAUFFER, "Mastering Mac OS X," 2001, pp. 335-341, Sybex, United States of America.	☐
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CERTIFICATION STATEMENT

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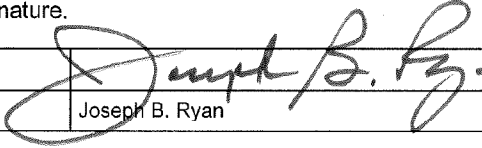
OR

☐ 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.
- ☐ 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		Date (YYYY-MM-DD)	2012-01-05
Name/Print	Joseph B. Ryan	Registration Number	37, 922

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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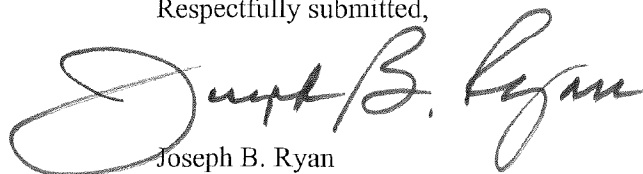
FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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Respectfully submitted,



Date: January 6, 2012

Joseph B. Ryan
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**INFORMATION DISCLOSURE
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1	I. STEINER, "Serving Up the Wireless Web: Content to Go," ONLINE Magazine, September 2001, at http://www.onlinemag.net/ol2001/steiner9_01.html , 10 pages.	☐
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CERTIFICATION STATEMENT

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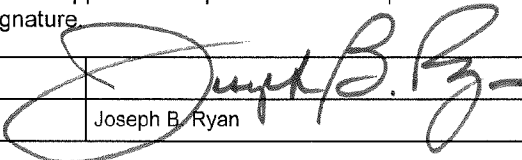
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Signature		Date (YYYY-MM-DD)	2012-01-06
Name/Print	Joseph B. Ryan	Registration Number	37,922

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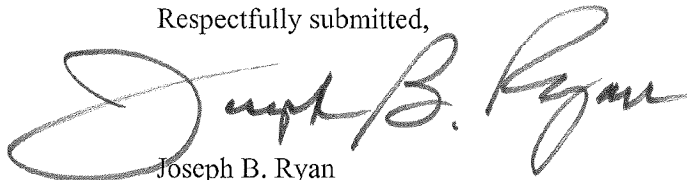
FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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Sir:

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	Attorney Docket Number	1018-2 CON2

1	N. DASWANI, "Secure Wireless Aggregation," Yodlee, 36 pages.	☐
2	Upoc.com, Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, Documents numbered JDC0000177, JDC0000542, JDC0000901, JDC0001546, JDC0001589, JDC0001590 JDC0001593, JDC0001804 through JDC0001819, JDC0001865 through JDC0001867, JDC0004470, JDC0005255, JDC0005697, JDC0005701, JDC0005861 through JDC0005866, JDC0005965, JDC0005963, JDC0005984 through JDC0006002, and JDC0006007 through JDC0006033.	☐
3	Mobile.yahoo.com, "Overview," archived at http://web.archive.org/web/200101427014927/http://mobile.yahoo.com/phone/tour?.pv=overview&.pg=1&.ph=tp , 3 pages.	☐
4	Aol.com, "Now You Can get AOL Anywhere - Even on Your Cell Phone!," archived at http://web.archive.org/web/200101240409/http://www.aol.com/anywhere/mobile/main.html , 8 pages.	☐
5	M. CAGAN, "Product Strategy," Silicon Valley Product Group, October 4, 2000, at http://svpg.com/product-strategy/ , 8 pages.	☐
6	"AOL on Pocketnet-alt.cellular," Google Groups, at http://groups.google.com/group/alt.cellular/browse_thread/7ee068aee823a48c/411 , 2 pages.	☐
7	"Cellmania - Leading Provider of M-commerce Solutions Products/Services," March 30, 2001, archived at http://web.archive.org/web/20010330224449/http://corp.cellmania.com/products_services/mfinder.html , 2 pages.	☐
8	Aol.com, "AOL Mobile," February, 23, 2001, archived at http://web.archive.org/web/20010223223036/http://www.aol.com/anywhere/mobile/mobile_demo.html , 16 pages.	☐
9	"Yahoo! Gets Even More Mobile - comp.dcom.telecom," Google Groups, at http://groups.google.com/group/comp.dcom.telecom/browse_thread/thread/9b0d195a707... , 1 page.	☐
10	Yodlee.com, Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, Documents numbered JDC0001554 and JDC0001555, 5 pages.	☐
11	"First Personalized Portal for WAP and Internet Phones Launched By SmartRay Network," Google Groups, at http://groups.google.com/group/alt.cellular.sprintpcs/browse_thread/a3bd0275f122... , 6 pages.	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	13027519
	Filing Date	2011-02-15
	First Named Inventor	David Walker Harper
	Art Unit	2447
	Examiner Name	Jude Jean Gilles
	Attorney Docket Number	1018-2 CON2

12	J. FREIRE ET AL., "WebViews: Accessing Personalized Web Content and Services," Database Systems Research, Bell Labs, WWW10 Hong Kong, May 2001, 25 pages.	☐
13	WAPmatic.de, Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, Documents numbered JDC0005649, JDC0005652 through JDC0005684, JDC0005693 through JDC0005696, JDC0005700, JDC0005703 through JDC0005736, JDC0005741 through JDC0005745, JDC0005754, JDC0005756, and JDC0005811 through JDC0005857.	☐
14	Wapjag.de, Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, Documents numbered JDC0005651, JDC0005688, JDC0005689, and JDC0005968.	☐
15	Wappy.to, Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, Documents numbered JDC0005746 through JDC0005753.	☐
16	M. KUSZPA, "room33 With My WAP Page," Maciej Kuszpa on Mobile Social Networks and Mobile Learning, 5 pages.	☐
17	"room33.com Product Information," Ciao! from bing, 2 pages.	☐
18	Mbasics.com, Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, Documents numbered JDC0005859, JDC0005964, JDC0005967, JDC0005971 through JDC0005977, JDC0006005 and JDC0006069.	☐
19	Hoiley.com, "Homepage," May 11, 2000, archived at http://web.archive.org/web/20000511091935/http://www.hoiley.com/ , 1 page.	☐
20	TagTag.com, Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, Documents numbered JDC0006036, JDC0006041 through JDC0006045, JDC0006047, JDC0006051 through JDC0006057, and JDC0006071.	☐
21	myWAP.Genie.de, Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, Documents numbered JDC0006037 through JDC0006040, JDC0006048, JDC0006072 through JDC0006080, JDC0006084, and JDC0006087 through JDC0006093.	☐
22	WAPdrive.com, Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, Documents numbered JDC0006058 through JDC0006067.	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13027519
	Filing Date		2011-02-15
	First Named Inventor	David Walker Harper	
	Art Unit	2447	
	Examiner Name	Jude Jean Gilles	
	Attorney Docket Number	1018-2 CON2	

23	Mpresence.com, Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, Documents numbered JDC0006070, and JDC0006082 through JDC0006083.	☐
24	Discovery Documents produced in Wireless Ink Corporation v. Facebook Inc. et al., Case Nos. 10-CV-1841 and 11-CV-1751, Documents numbered JDC0000140, JDC0005755, JDC0005776, JDC0005808, JDC0005810, JDC0006094 through JDC0006110, JDC0006173, JDC0006827 through JDC0006999, and JDC0007342.	☐

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EXAMINER SIGNATURE

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	13027519
	Filing Date	2011-02-15
	First Named Inventor	David Walker Harper
	Art Unit	2447
	Examiner Name	Jude Jean Gilles
	Attorney Docket Number	1018-2 CON2

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).

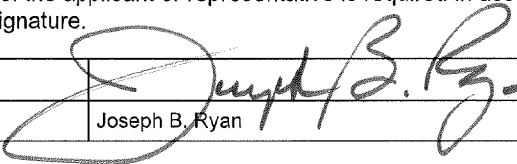
☐ See attached certification statement.

☒ 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		Date (YYYY-MM-DD)	2012-01-11
Name/Print	Joseph B. Ryan	Registration Number	37,922

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.**

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 CON3		
Filed as Small Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	95	95
Utility Search Fee	2111	1	310	310
Utility Examination Fee	2311	1	125	125
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 (\$)				530

Electronic Acknowledgement Receipt	
EFS ID:	11988196
Application Number:	13364950
International Application Number:	
Confirmation Number:	9205
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 CON3
Receipt Date:	02-FEB-2012
Filing Date:	
Time Stamp:	17:08:38
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 530
RAM confirmation Number	4353
Deposit Account	500762
Authorized User	RYAN,JOSEPH B.
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	1018-2CON3_ADS.pdf	529936 410b81992f685b384175aca6cb966d569ac3790f	no	4

Warnings:

Information:

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2		1018-2CON3_APP.pdf	3419584 5ea6ca3724fbec281c31510fb86dc5f18ea9c3a	yes	30
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Multipart Description/PDF files in .zip description

Document Description	Start	End
Specification	1	25
Claims	26	29
Abstract	30	30

Warnings:

Information:

3	Drawings-only black and white line drawings	1018-2CON3_FIGS.pdf	3453713 f0a4392ea8fedd05492354d1a1811e5818721f9	no	48
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Warnings:

Information:

4	Oath or Declaration filed	1018-2CON3_DEC.pdf	1504555 43cce909a64a63764ae45cf7b0e02af52d25e768	no	6
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Warnings:

Information:

5	Information Disclosure Statement (IDS) Form (SB08)	1018-2CON3_IDS.pdf	4470646 3b75eb4f5717e217220f4fee1b1473b919a838e	no	48
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6	Fee Worksheet (SB06)	fee-info.pdf	33411 c60906d031584b3c97e81b3c5bad8aa1f4da4ffb	no	2
Warnings:					
Information:					
Total Files Size (in bytes):				13411845	
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1018-2 CON3
		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.)

Applicant Information:

Applicant 1					
Applicant Authority		☒ Inventor		☐ Legal Representative under 35 U.S.C. 117	
				☐ Party of Interest under 35 U.S.C. 118	
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
Citizenship under 37 CFR 1.41(b)		US			
Mailing Address of Applicant:					
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Address 2					
City	Bay Shore	State/Province	NY		
Postal Code	11706	Country	US		
Applicant 2					
Applicant Authority		☒ Inventor		☐ Legal Representative under 35 U.S.C. 117	
				☐ Party of Interest under 35 U.S.C. 118	
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
Citizenship under 37 CFR 1.41(b)		US			
Mailing Address of Applicant:					
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Address 2					
City	Coram	State/Province	NY		
Postal Code	11727	Country	US		
Applicant 3					
Applicant Authority		☒ Inventor		☐ Legal Representative under 35 U.S.C. 117	
				☐ Party of Interest under 35 U.S.C. 118	
Prefix	Given Name	Middle Name	Family Name	Suffix	
	William	Henry	Munch		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Tampa	State/Province	FL	Country of Residence	US

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number		1018-2 CON3	
		Application Number			
Title of Invention	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS				
Citizenship under 37 CFR 1.41(b)	US				
Mailing Address of Applicant:					
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.					

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	jbr@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 CON3	Small Entity Status Claimed	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Suggested Class (if any)		Sub Class (if any)	
Suggested Technology Center (if any)			
Total Number of Drawing Sheets (If any)	48	Suggested Figure for Publication (If any)	

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.

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). Enter either 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.			
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1018-2 CON3
		Application Number	
Title of Invention	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS		
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, or 365(c) or indicate National Stage entry from a PCT application. Providing this 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(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.

Prior Application Status	Pending		Remove		
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)		
	Continuation of	13027519	2011-02-15		
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
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 Date (YYYY-MM-DD)		
10464526	non provisional of	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 benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. 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(a).

Remove			
Application Number	Country ¹	Parent Filing Date (YYYY-MM-DD)	Priority Claimed
			☐ Yes ☐ No

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

Assignee Information:

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

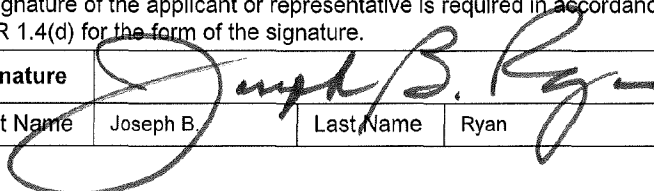
Assignee 1	
If the Assignee is an Organization check here.	☒
Organization Name	Wireless Ink Corporation

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	1018-2 CON3
		Application Number	
Title of Invention	METHOD, APPARATUS AND SYSTEM FOR MANAGEMENT OF INFORMATION CONTENT FOR ENHANCED ACCESSIBILITY OVER WIRELESS COMMUNICATION NETWORKS		

Mailing Address Information:			
Address 1		P.O. Box 261	
Address 2			
City	East Islip	State/Province	NY
Country	US	Postal Code	11730
Phone Number	631-750-2785	Fax Number	
Email Address	dharper@wirelessink.com		
Additional Assignee Data may be generated within this form by selecting the Add button.			

Signature:

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature.					
Signature			Date (YYYY-MM-DD)	2012-02-02	
First Name	Joseph B.	Last Name	Ryan	Registration Number	37922

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.**

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

5 **Related Application(s)**

 The present application is continuation of U.S. Patent Application Serial No. 13/027,519 filed February 15, 2011, 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
10 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

15 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
20 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
25 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
30 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.

15 **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.

20 In accordance with one aspect of the invention, information content is managed in a network-based communication system by providing a first web-based interface accessible to a first user, the first web-based interface being configured to permit the first user to designate at least one data source that is external to the first web-based interface, maintaining persistent information content on behalf of the first user including content obtained from the data source designated by the first user, and generating a second web-based interface different than the first web-based interface, wherein access to at least a portion of the persistent information content is provided to each of one or more additional users via the second web-based interface in a manner controlled by the first user via the first web-based interface to thereby facilitate interaction between the first and additional users.

30 The first and second web-based interfaces may comprise respective content management and mobile web sites.

In accordance with another aspect of the invention, information content is managed in a network-based communication system by configuring a first web-based interface to

permit a first user to designate one or more additional users that will share access to content with the first user via a second web-based interface, in accordance with accessibility rules established by the first user via the first web-based interface. The one or more additional users may be individuals that with the first user and by mutual consent collectively comprise
5 a group of friends or other members sharing a common interest. The users in that group, relative to users not in the group, may be provided with exclusive access to the content via the second web-based interface.

The first web-based interface may be configured, by way of example, to permit the first user to control the sending of a communication to at least a given one of said one or
10 more additional users indicating that the first user is proposing to share access to content with the given additional user. The communication may comprise an email message that provides the given additional user with an option of accepting or declining the access sharing proposal from the first user.

As another example, the first web-based interface may be configured to permit the
15 first user to upload at least one information item, and the second web-based interface may be configured to provide the one or more additional users with access to that uploaded information item in accordance with the accessibility rules established by the first user.

Brief Description of the Drawings

20 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.

25 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.

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

FIGS. 6 through 17 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
5 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
10 accordance with the invention.

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

15 **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
20 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
25 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
30

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.

5 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.

10 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
15 802.11 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
20 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
25 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
30 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
5 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,
10 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
15 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
20 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
25 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-
30 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
5 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,
10 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
15 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-
20 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
25 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
30 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
5 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
10 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
15 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
20 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.
25 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
30 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
5 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
10 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"
15 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.
20 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
25 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
30 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
5 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,
10 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
15 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,
20 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
25 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
30 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.

5 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.

10 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.

15 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
20 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
25 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
30 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
5 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.

10 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
15 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
20 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.

25 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
30 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.

5 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.

10 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.

20 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.

30 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 (IIP), 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
 5 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,
 10 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
 15 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.
 20 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
 25 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
 30 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.

5 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
10 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
15 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
20 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
25 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
30 apparent to those skilled in the art.

Claims

What is claimed is:

1. A method for managing information content in a network-based communication system, the method comprising the steps of:

5 providing a first web-based interface accessible to a first user, the first web-based interface being configured to permit the first user to designate at least one data source that is external to the first web-based interface;

 maintaining persistent information content on behalf of the first user including content obtained from said at least one data source designated by the first user; and

10 generating a second web-based interface different than the first web-based interface, wherein access to at least a portion of the persistent information content is provided to each of one or more additional users via the second web-based interface in a manner controlled by the first user via the first web-based interface to thereby facilitate interaction between the first and additional users.

15 2. The method of claim 1 wherein the first web-based interface is configured to permit the first user to designate accessibility rules controlling access of said one or more additional users to respective portions of the persistent information content.

20 3. The method of claim 1 wherein the first web-based interface comprises a content management web site and the second web-based interface comprises a mobile web site accessible independently of the content management web site via one or more mobile devices.

25 4. The method of claim 1 wherein the first web-based interface is configured to permit the first user to selectively specify a first portion of said persistent information content as having a published status and a second portion of said persistent information content as having an unpublished status, and wherein the second web-based interface provides said one or more additional users with access to the first portion of said persistent information content
30 that the first user has specified in the first web-based interface as having the published status and does not provide said one or more additional users with access to the second portion of said persistent information content that the first user has specified in the first web-based interface as having the unpublished status.

5. The method of claim 1 wherein the persistent information content comprises a plurality of content items and the first web-based interface is configured to permit the first user to selectively specify one of a published status and an unpublished status for each of said content items, the second web-based interface providing access to those of the content items that the first user has specified in the first web-based interface as having the published status and not providing access to those of the content items that the first user has specified in the first web-based interface as having the unpublished status.

6. The method of claim 1 wherein the first web-based interface is identified by a first uniform resource locator and the second web-based interface is identified by a second uniform resource locator different than the first uniform resource locator.

7. The method of claim 1 wherein the second web-based interface is further configured to receive data automatically from the data source designated by the user at the first web-based interface.

8. The method of claim 7 wherein the designated data source comprises a file source, said file source comprising a source of at least one of a video file, an image file, an audio file and a document file.

9. The method of claim 7 wherein the designated data source comprises a device-captured data source, said device-captured data source comprising a source of at least one of device-captured video data, device-captured image data, device-captured audio data and device-captured location coordinates.

10. The method of claim 1 wherein the first web-based interface is configured to permit the first user to control the sending of a communication to at least a given one of said one or more additional users indicating that the first user is proposing to share access to at least a portion of said persistent information content with the given additional user.

11. The method of claim 10 wherein the communication comprises an email message containing a link to a web page at which the given additional user will be given the option of accepting or declining the access sharing proposal from the first user.

12. The method of claim 10 wherein the communication comprises an email message containing a link to a web page at which the given additional user will be given the option of becoming a registered user.

5 13. The method of claim 1 wherein the first web-based interface permits the first user to upload at least one information item, and wherein the second web-based interface provides said one or more additional users with access to said at least one uploaded information item in accordance with accessibility rules established by the first user via the first web-based interface.

10

14. The method of claim 1 wherein the one or more additional users comprise individuals that with the first user and by mutual consent collectively comprise a group of members that relative to users not in said group have exclusive access to at least a portion of said persistent information content via the second web-based interface.

15

15. 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.

20

16. An apparatus for use in managing information content in a network-based communication system, the apparatus comprising:

25 a processing element comprising a processor coupled to a memory;
the processing element providing at least a portion of a first web-based interface accessible to a first user, the first web-based interface being configured to permit the first user to designate at least one data source that is external to the first web-based interface;
the processing element being configured to maintain persistent information content on behalf of the first user including content obtained from said at least one data source designated by the first user;

30

the processing element generating a second web-based interface different than the first web-based interface, wherein access to at least a portion of the persistent information content is provided to each of one or more additional users via the second web-based

interface in a manner controlled by the first user via the first web-based interface to thereby facilitate interaction between the first and additional users.

5 17. The apparatus of claim 16 wherein the first web-based interface is configured to permit the first user to designate accessibility rules controlling access of said one or more additional users to respective portions of the persistent information content.

10 18. The apparatus of claim 16 wherein the processing element comprises at least one server.

19. The apparatus of claim 18 wherein the server is accessible over the Internet via a network interface.

15 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 a first web-based interface accessible to a first user, the first web-based interface being configured to permit the first user to designate at least one data source that is external to the first web-based interface;
wherein said at least one server is configured to maintain persistent
20 information content on behalf of the first user including content obtained from said at least one data source designated by the first user;
wherein said at least one server generates a second web-based interface different than the first web-based interface, wherein access to at least a portion of the persistent information content is provided to each of one or more additional users via the
25 second web-based interface in a manner controlled by the first user via the first web-based interface to thereby facilitate interaction between the first and additional users.

Abstract

Information content is managed in a network-based communication system by providing a first web-based interface accessible to a first user, the first web-based interface being configured to permit the first user to designate at least one data source that is external
5 to the first web-based interface, maintaining persistent information content on behalf of the first user including content obtained from the data source designated by the first user, and generating a second web-based interface different than the first web-based interface, wherein access to at least a portion of the persistent information content is provided to each of one or more additional users via the second web-based interface in a manner controlled by the first
10 user via the first web-based interface to thereby facilitate interaction between the first and additional users. The first and second web-based interfaces may comprise respective content management and mobile web sites.

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FIG. 1A

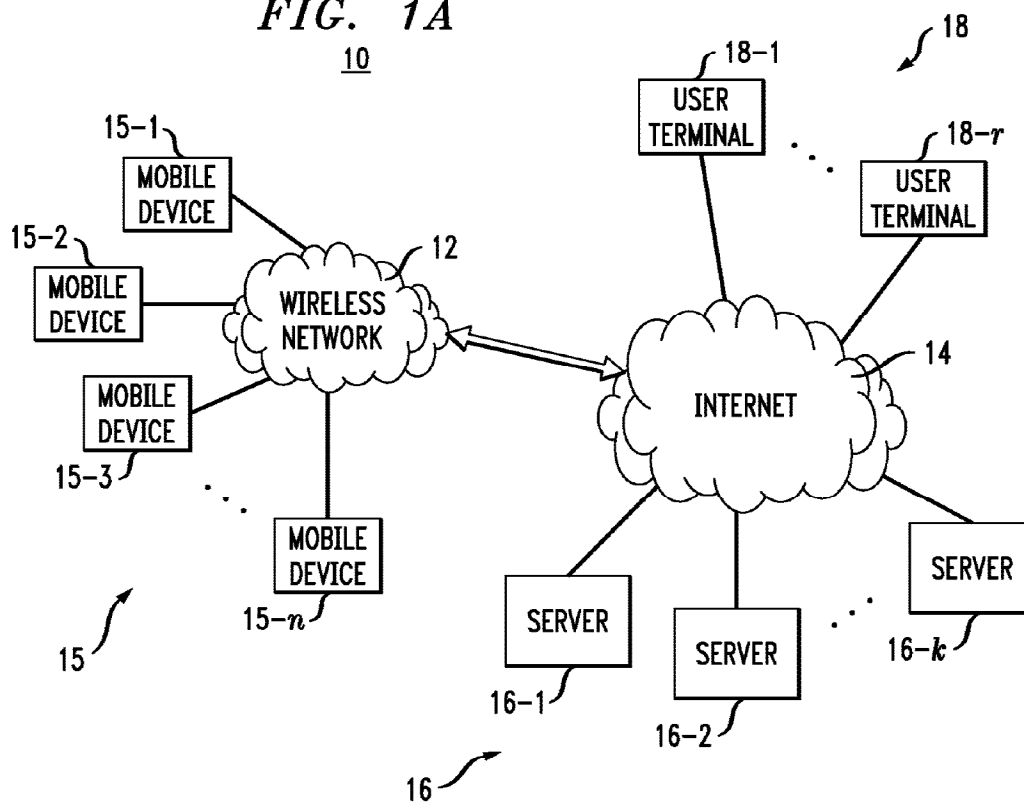
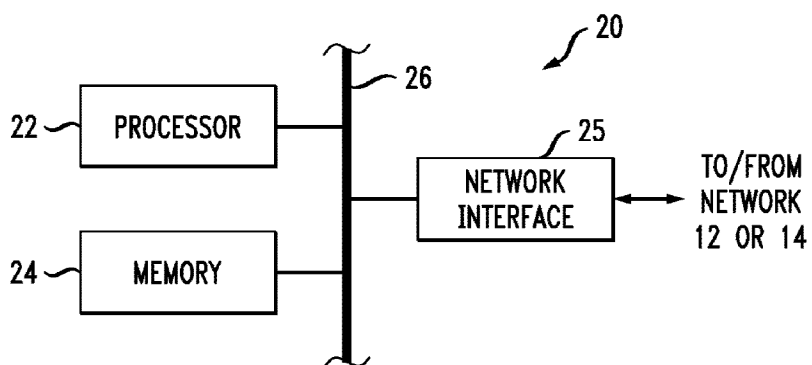
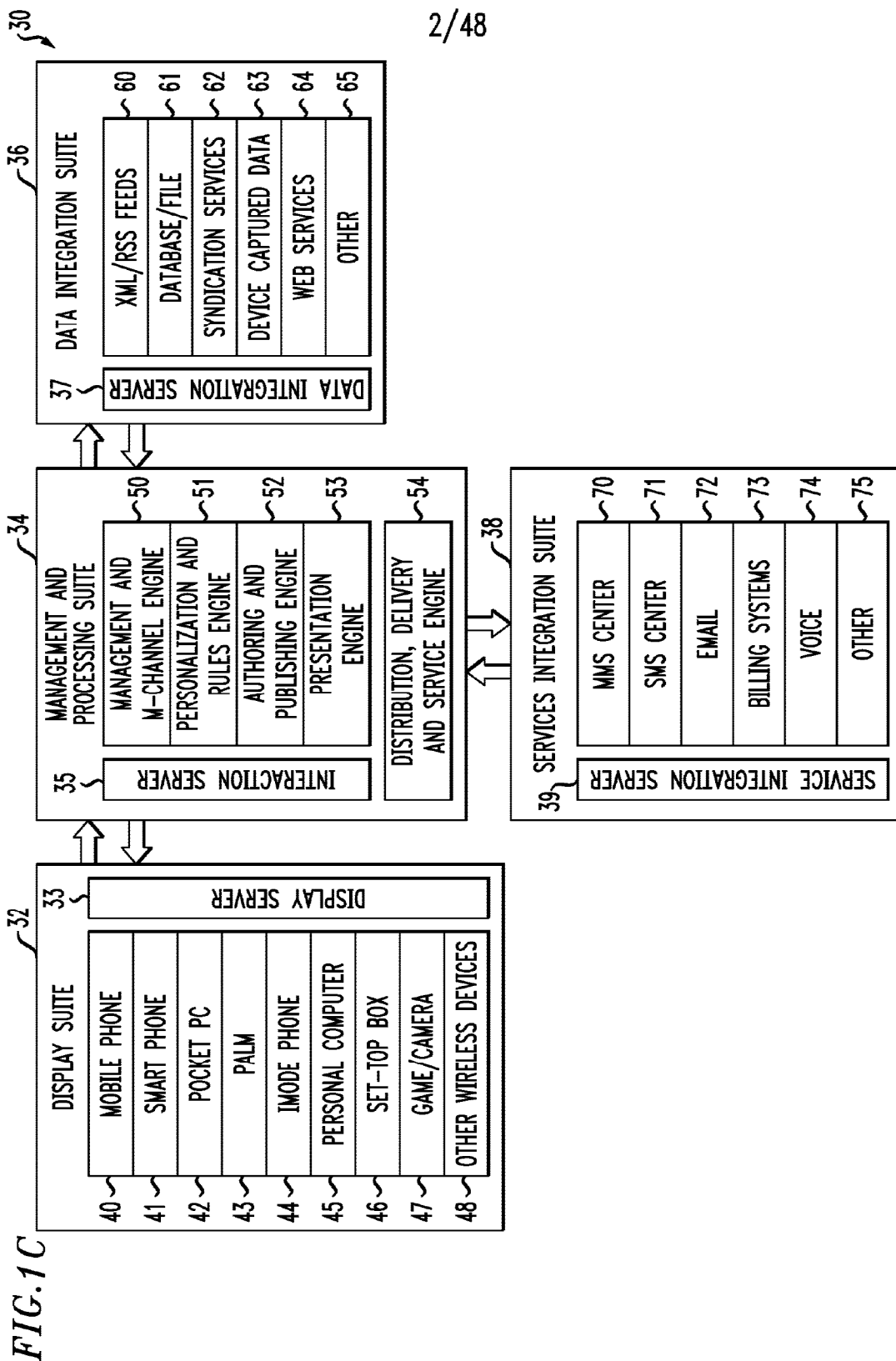


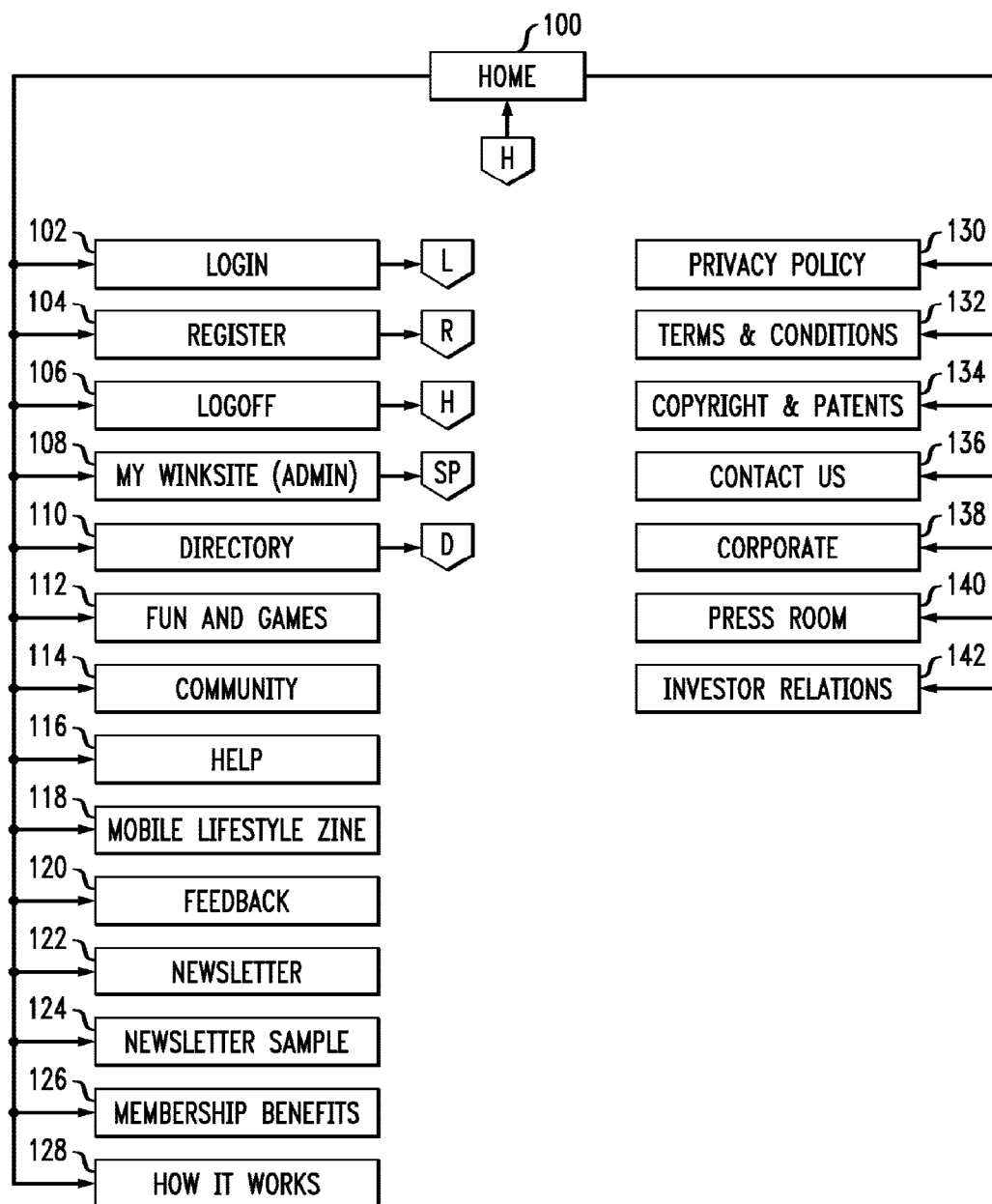
FIG. 1B





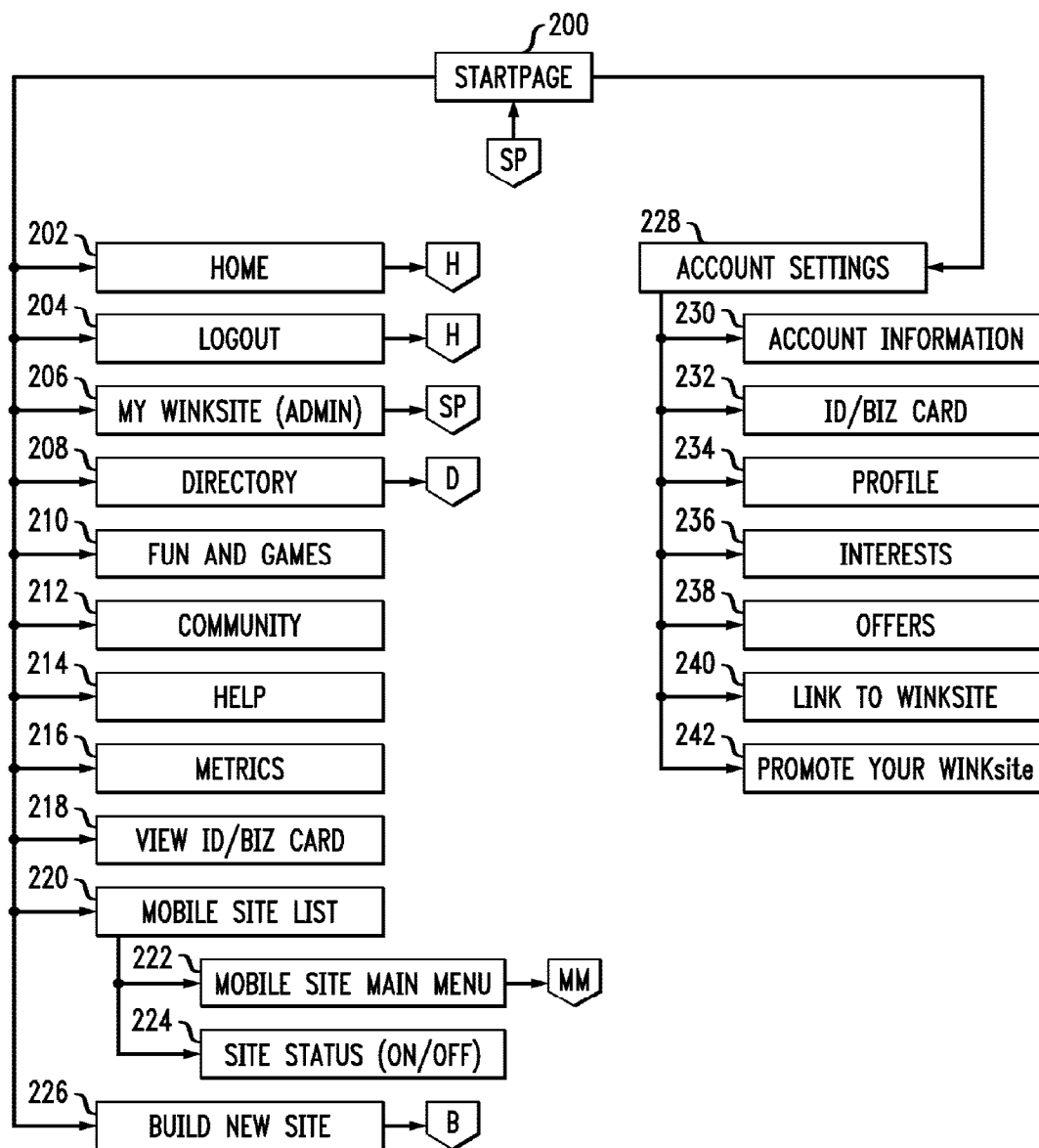
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FIG. 1D



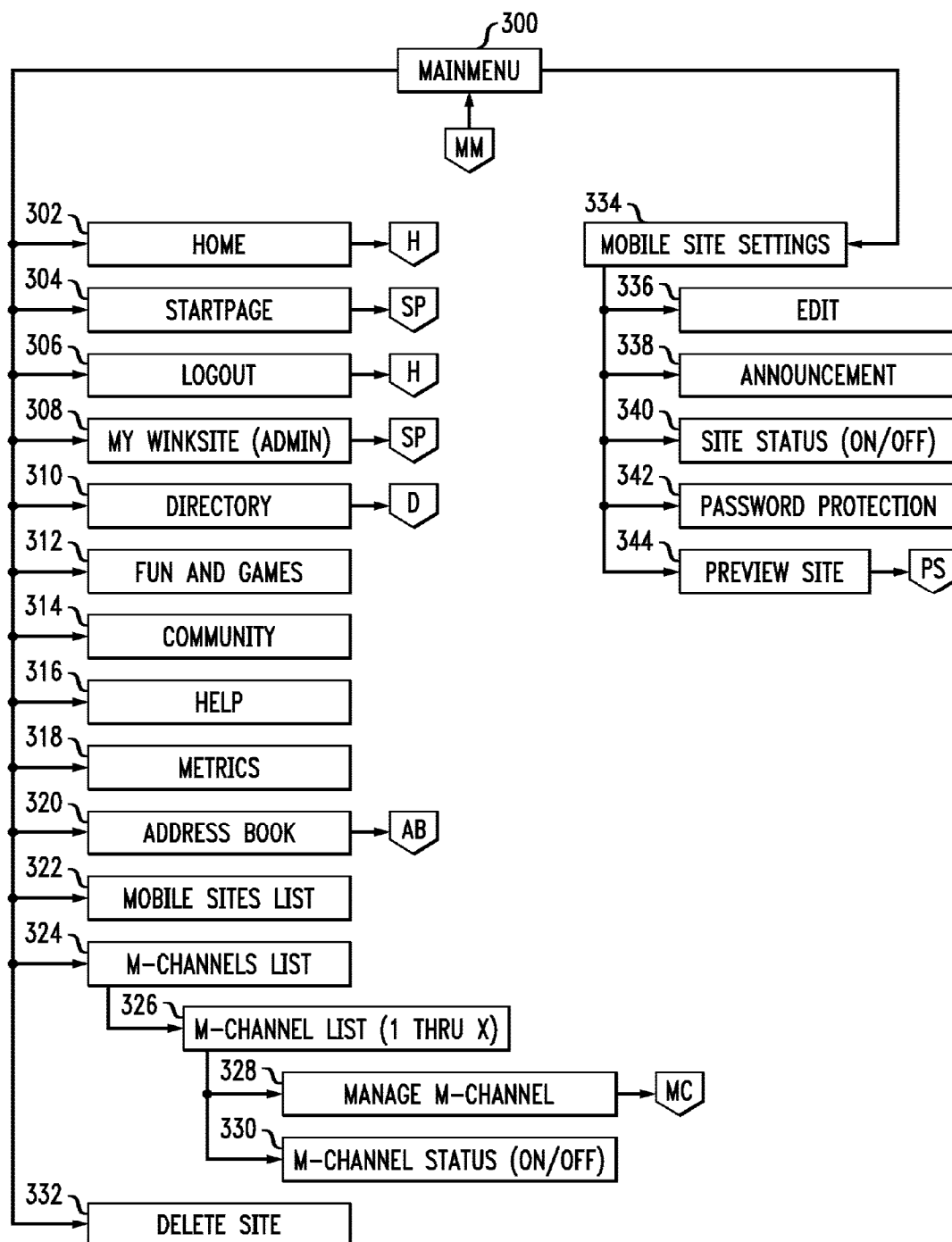
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FIG. 2



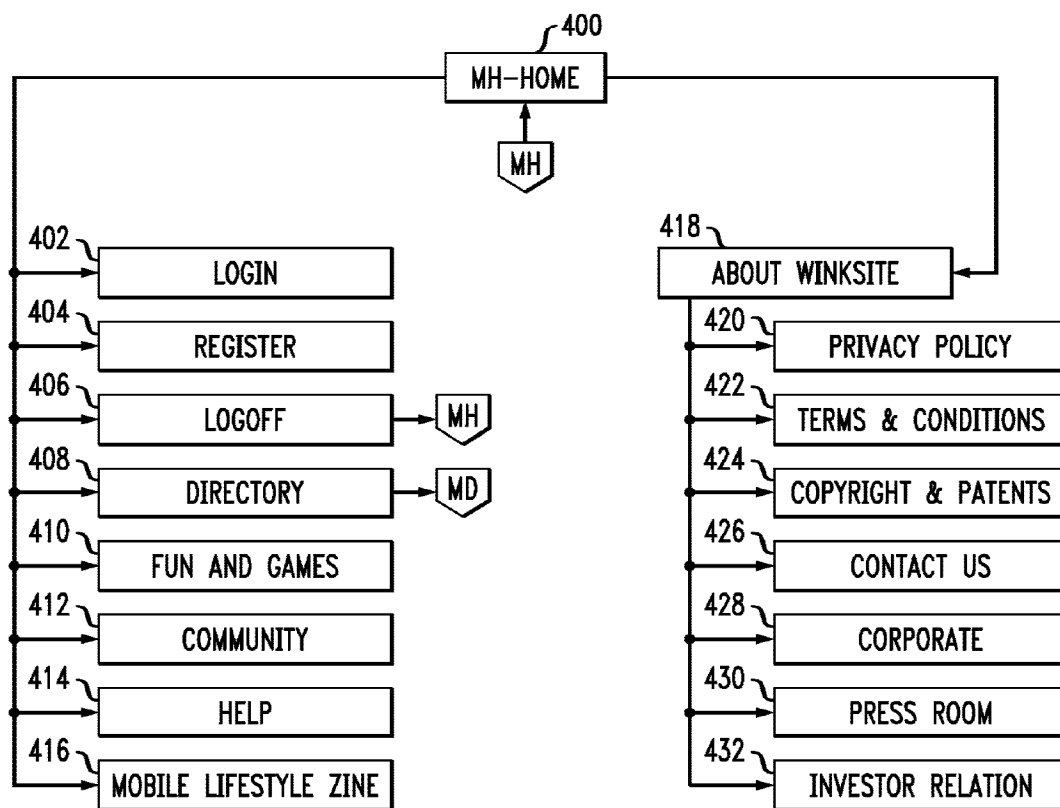
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FIG. 3



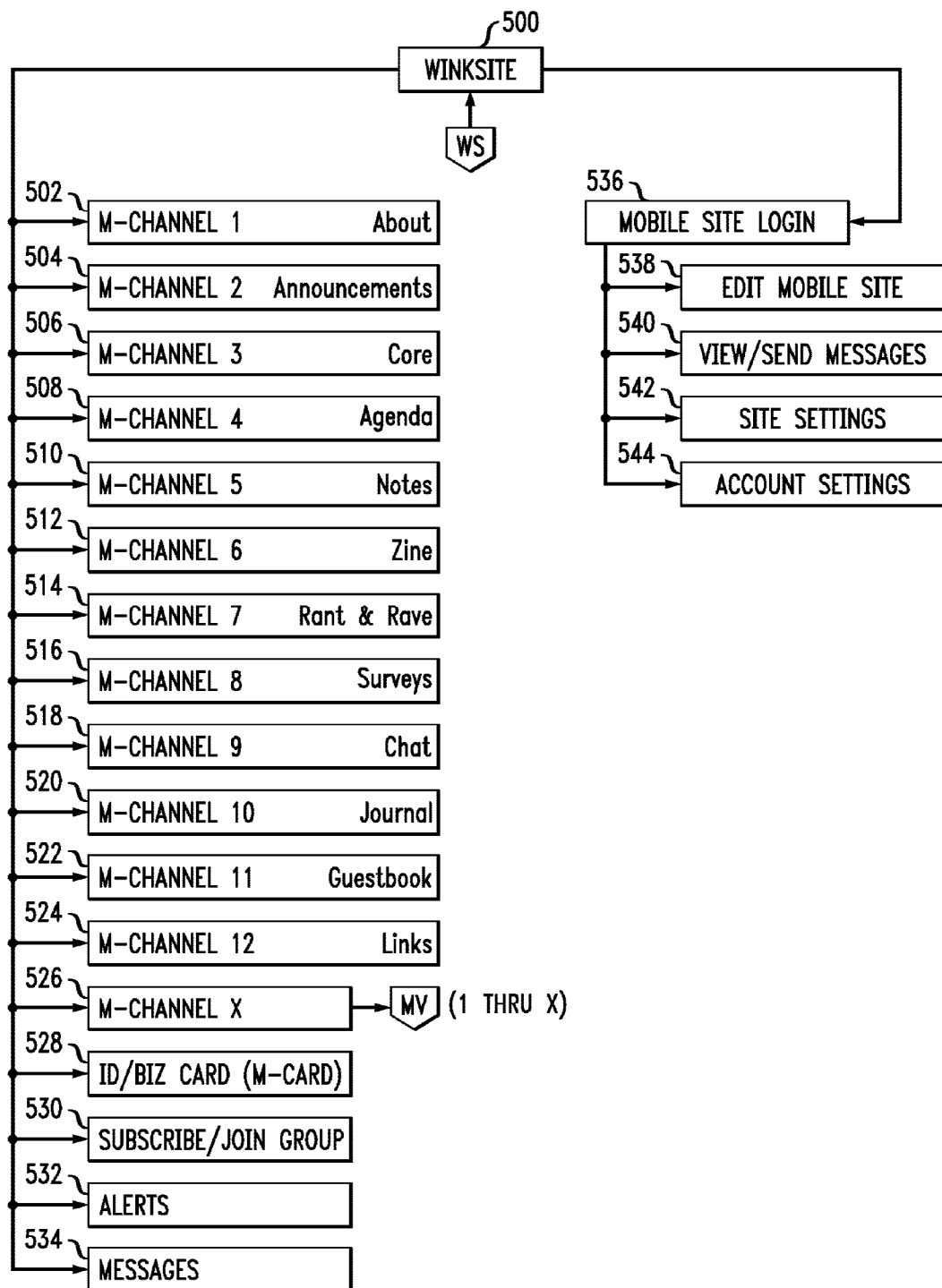
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FIG. 4



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FIG. 5



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FIG. 6

The image shows a web browser window displaying the 'WINKSITE' homepage. The interface is divided into several sections:

- Top Navigation Bar (636):** Contains links for 'HOME', 'MY WINKSITE', 'DIRECTORY', 'FUN & GAMES', and 'HELP'. A 'Welcome' message and a 'Click here to register | Login' link are also present.
- Main Content Area (638):**
 - Left Column (602):** Features the 'WEB SITE LOGO' and an 'Account Login' section. The login section includes fields for 'Username' (604) and 'Password' (606), a 'Start in' dropdown menu (610), and a 'LOGIN' button (610). Below this is a 'Forgot your password?' link (612) and a 'Remember me' checkbox (614). A 'Not a Member?' link (616) and a 'New Member Registration' link (618) are also present.
 - Right Column (642):** Features a 'SITE ADVERTISEMENT AND/OR CONTENT PROMOTION' section. Below this is a 'MOBILE LIFESTYLE MAGAZINE' section (640) with a 'BUILD. EXPLORE. COMMUNICATE.' headline. A 'FEEDBACK :: WHAT DO YOU THINK ABOUT WINKSITE?' section (642) includes a text input field and a 'SEND' button. A 'NEWSLETTER :: KEEP UP ON THE LATEST | View Sample' section (642) includes a 'YOUR NAME' field, a 'YOUR E-MAIL' field, and a 'SUBMIT' button.
- Footer (644):** Contains a 'Home | My Winksite | Directory | Fun & Games | Help' link, a 'Privacy Policy | Terms & Conditions | Copyright & Patents | Contact Us' link, and a copyright notice: '© Copyright 2001-2002 WINK Interactive, LLC. All Rights Reserved. About | Corporate Information | Press Room | Investor Relations'.

Labels 602, 604, 606, 610, 612, 614, 616, 618, 620, 636, 638, 640, 642, and 644 are used to identify specific elements within the interface.

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FIG. 7

700

704

706

708

LOGOUT

WEB SITE LOGO

ADMINISTRATION

MY WINKSITE ACCOUNT

METRICS 702

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

Welcome username. If you are not username, click here | Logout

HOME MY WINKSITE DIRECTORY FUN & GAMES HELP

Start Page

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.

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

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)

MAIN MENU

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/usercreateddirectory / announce site

Site Status: Online Password Protection: Off

PREVIEW SITE

812

806

808

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
▷ Ramt&Rave	manage ramt&rave content	☐ OFF
▷ Surveys	manage surveys content	☐ OFF
▷ Chat	manage chat content	☒ ON
▷ Journal	manage journal content	☐ OFF
▷ Guestbook	manage guestbook 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

810

802

WEB SITE LOGO

ADMINISTRATION

MY WINKSITE ACCOUNT

METRICS

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

LOGOUT

Start Page > Main Menu (ancillary mobile site name)

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FIG. 9a

Welcome username. If you are not username, [click here](#) | [Logout](#)

WEB SITE LOGO

ADMINISTRATION

HOME **MY WINKSITE** **DIRECTORY** **FUN & GAMES** **HELP**

Start Page > Main Menu (ancillary mobile site name) > M-Channel

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.

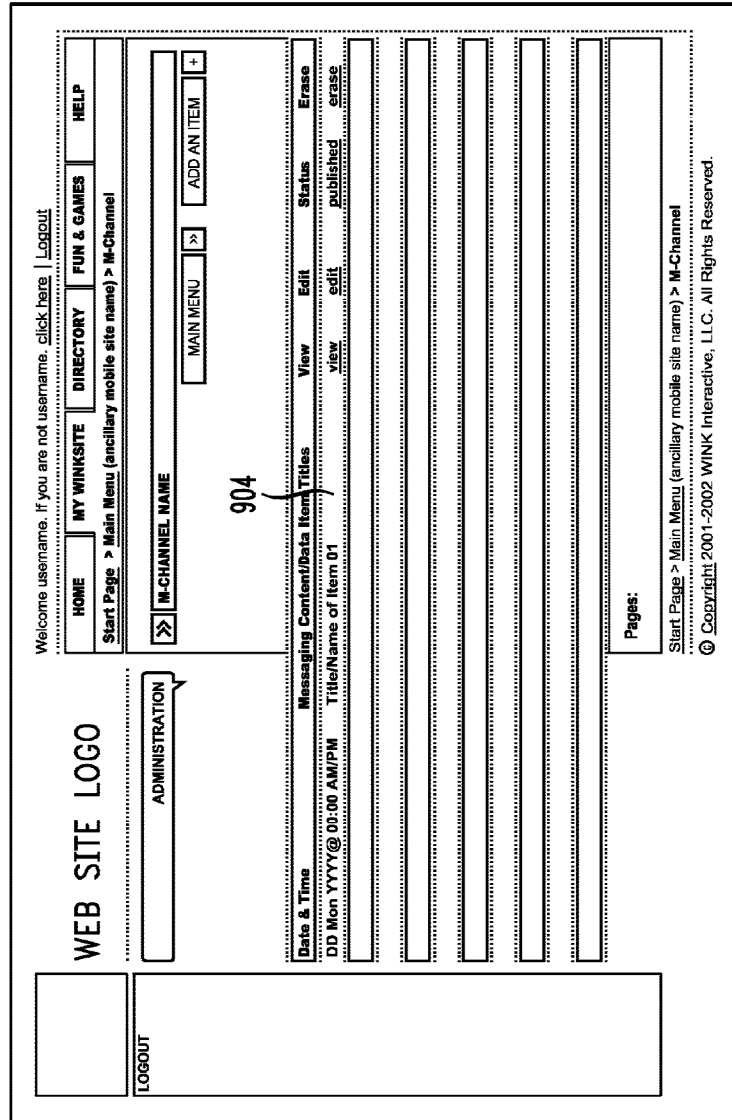
published: the content is visible to your mobile visitors
unpublished: the content is not visible

Date & Time	Messaging Content/Data Item Titles	View	Edit	Status	Erase

Logout

Pages:

Start Page > Main Menu (ancillary mobile site name) > M-Channel
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FIG. 10

LOGOUT

WEB SITE LOGO

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.

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

>> M-CHANNEL NAME :: ADD AN ENTRY

SAVE CANCEL

CONTENT

Date:

Time:

Title:

Abstract:

Content:

RELATED ACTION

Action:

Timing:

RELATED MEDIA

Media:

Title:

Browse...

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. 11

LOGOUT

WEB SITE LOGO

ADMINISTRATION

Welcome username. If you are not username, click here | Logout

HOME

MY WINKSITE

DIRECTORY

FUN & GAMES

HELP

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	erase
contact's last name	contact's first name	email	view	edit	disabled	erase
contact's last name	contact's first name	email	view	edit	disabled	erase
contact's last name	contact's first name	email	view	edit	enabled	erase
contact's last name	contact's first name	email	view	edit	disabled	erase
contact's last name	contact's first name	email	view	edit	enabled	erase
contact's last name	contact's first name	email	view	edit	disabled	erase
contact's last name	contact's first name	email	view	edit	disabled	erase
contact's last name	contact's first name	email	view	edit	disabled	erase
contact's last name	contact's first name	email	view	edit	enabled	erase

Pages: 1

Main Menu > General Inquiry List

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FIG. 12

Welcome username. If you are not username, [click here](#) | [Logout](#)

WEB SITE LOGO

ADMINISTRATION

LOGOUT

HOME **MY WINKSITE** **DIRECTORY** **FUN & GAMES** **HELP**

Main Menu > Form

>> Form

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: ☐

Main Menu > Form

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FIG. 13

LOGOUT

WEB SITE LOGO

MOBILE SITE BUILDER

NAME & DESCRIBE YOUR SITE

Welcome username. If you are not username, click here | Logout

HOME | MY WINKSITE | DIRECTORY | FUN & GAMES | HELP

Main Menu > Add New Site

MOBILE SITE INFORMATION

SAVE | CANCEL

Title/Name of Mobile Site:
Enter mobile site name. Use at least 3 characters (maximum 24 characters).
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

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FIG. 14

WEB SITE LOGO

ACCOUNT INFORMATION

MY WINKSITE ACCOUNT

METRICS

USERNAME:
DD Mon YYYY 00:00 AM/PM
NUMBER OF LOGINS.
X
LAST LOGIN:
DD Mon YYYY 00:00 AM/PM

view m-card

Welcome username. If you are not username. [click here](#) | [Logout](#)

HOME

MY WINKSITE

DIRECTORY

FUN & GAMES

HELP

Start Page > Account Information

>> 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)

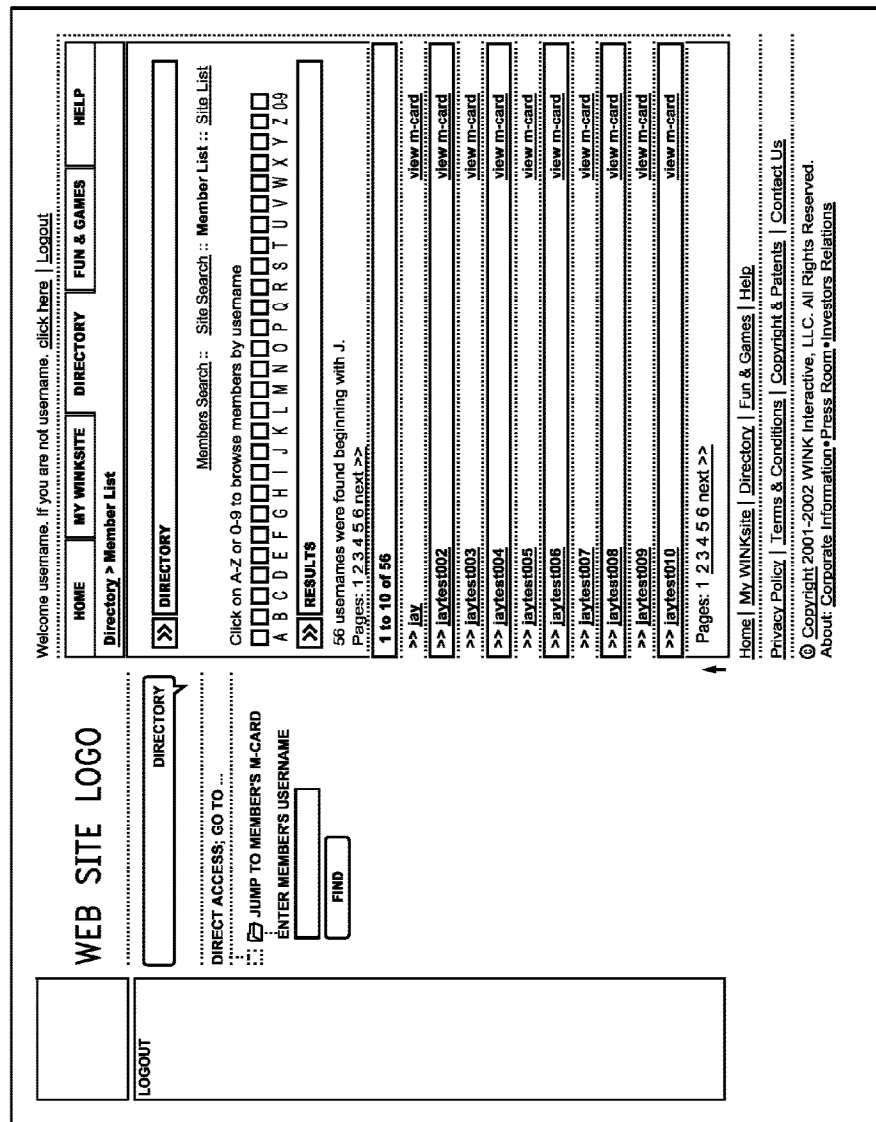
Must be at least 6 characters long, maximum 12 characters, may contain only letters (a-z) or numbers (0-9), and no spaces. Don't use symbols such as @#\$%^&*(). You will need your password to access WINK services.

SAVE

CANCEL

Start Page > Account Information

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FIG. 16

Welcome username. If you are not username, click here | Logout

HOME MY WINKSITE DIRECTORY FUN & GAMES HELP

Main Menu > General Inquiry Auto Response Form

>> General Inquiry Auto Response Form

SAVE CANCEL

SCREEN AUTO RESPONSE

Message:

EMAIL AUTO RESPONSE

Sender Name:

Sender E-Mail:

Subject:

Message:

Attachment:

currently:

Browse...

SAVE CANCEL

Main Menu > General Inquiry Auto Response Form

LOGOUT

WEB SITE LOGO

ADMINISTRATION

HELP

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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:
URL:
Mobile Phone Number:
AOL IM Screen Name:
ICQ Number:
MSN Messenger Sign-In Name:
Yahoo! Messenger ID:

user's e-mail address shown here if public
user's web site/home page url shown here if public
user's mobile phone number shown here if public
user's AOL IM screen name shown here if public
user's ICQ number shown here if public
user's MSN Messenger sign-in name shown here if public
user's Yahoo! Messenger 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 LINK site

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FIG. 17b

The screenshot shows a Netscape browser window with the title bar "Netscape:WINKsite :: The Mobile Site Builder (tm)". The address bar displays "M-CARD/ID/BUSINESS CARD". The main content area is titled "mobile site list" and contains the following text:

username (first name, last name, country)

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.

At the bottom right of the content area, it says "POWERED BY LINK site".

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FIG. 18

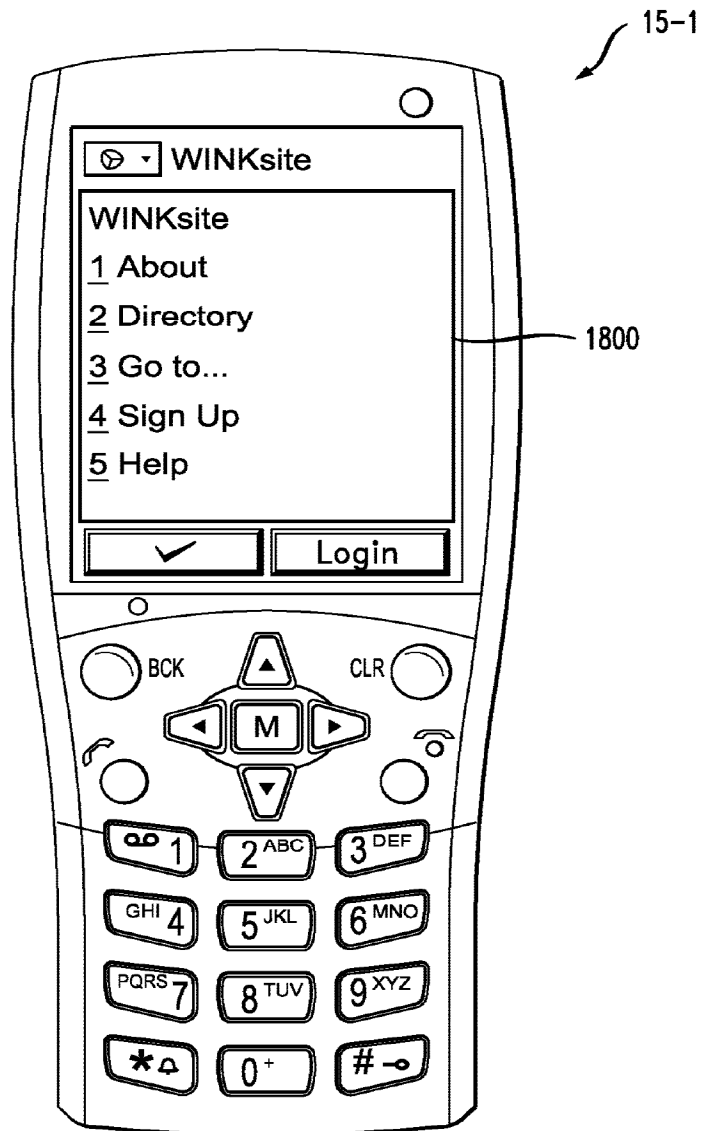
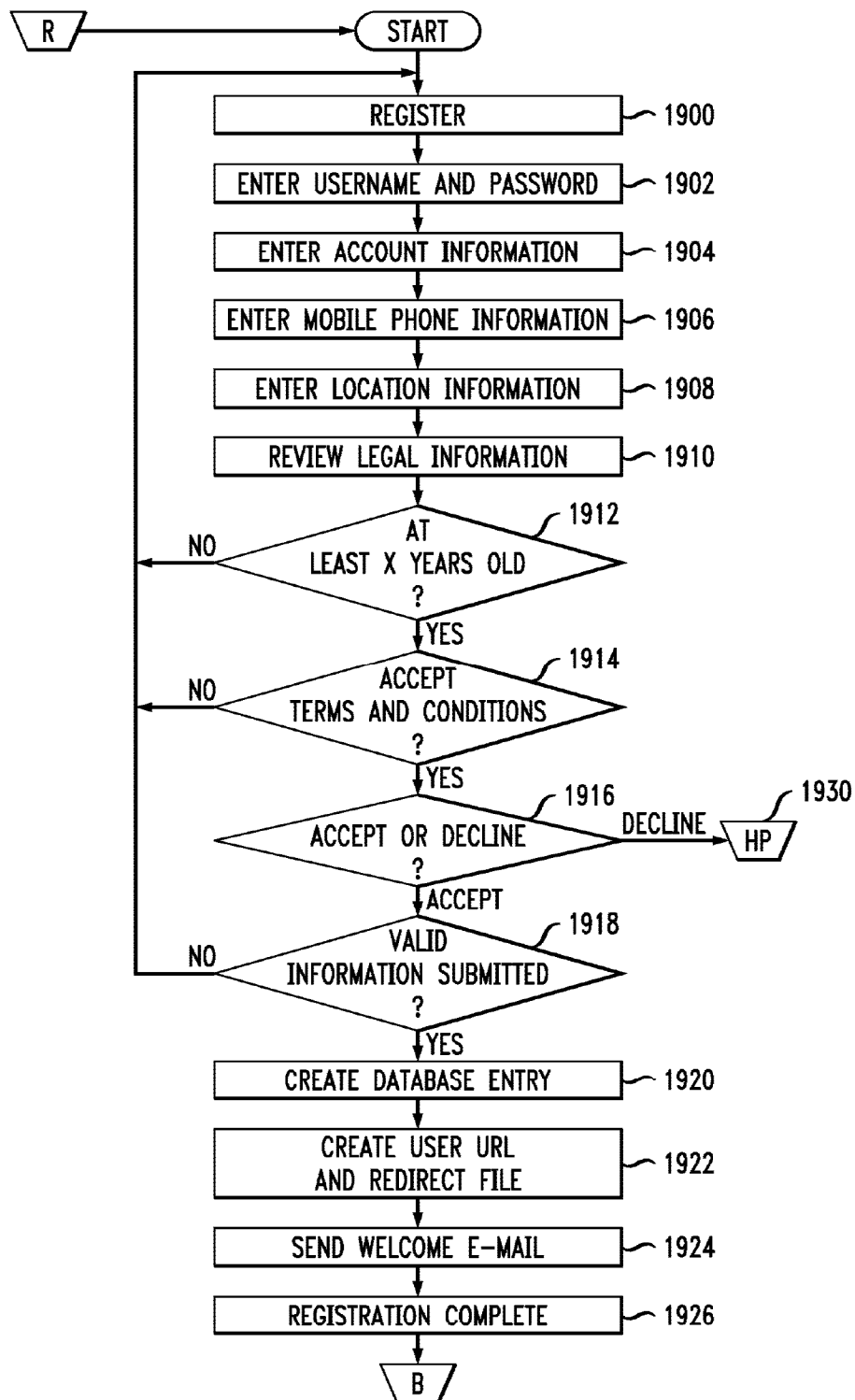


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FIG. 20

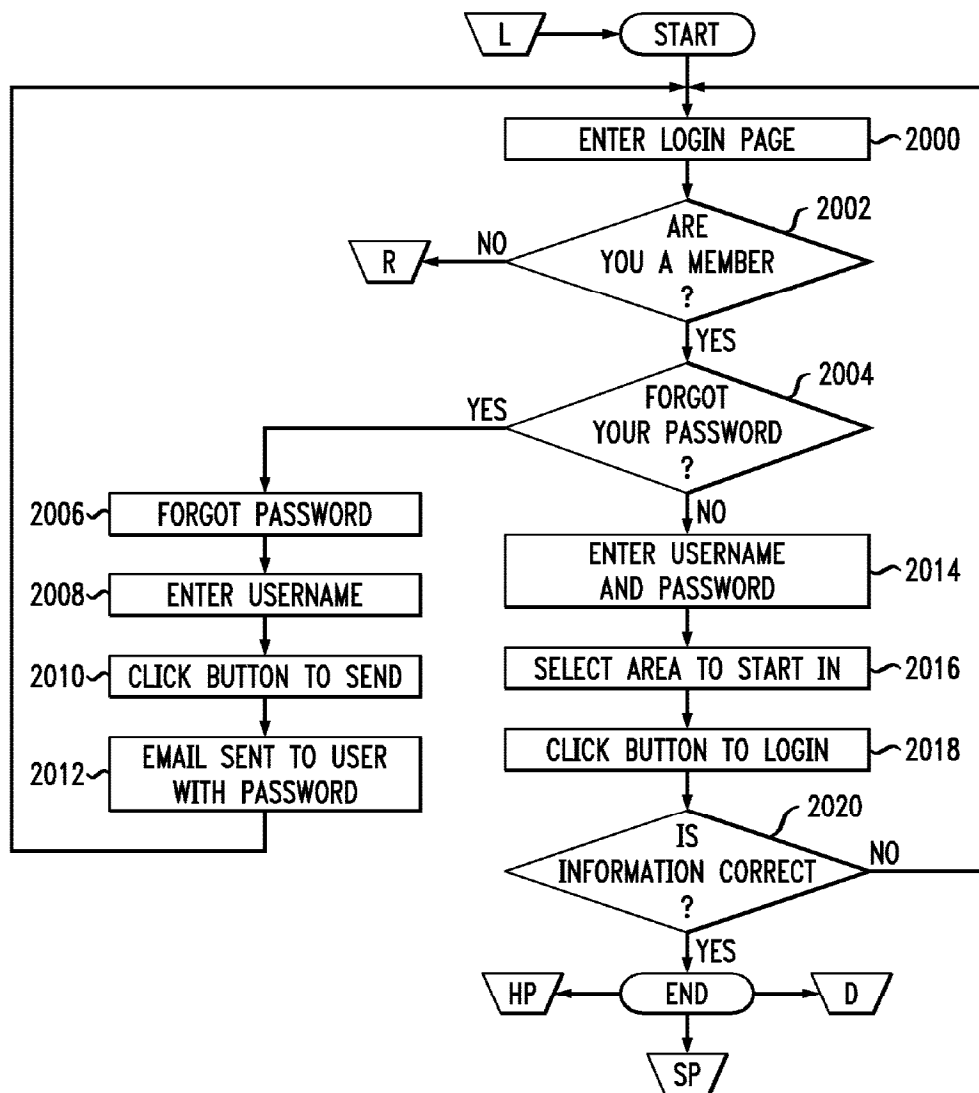
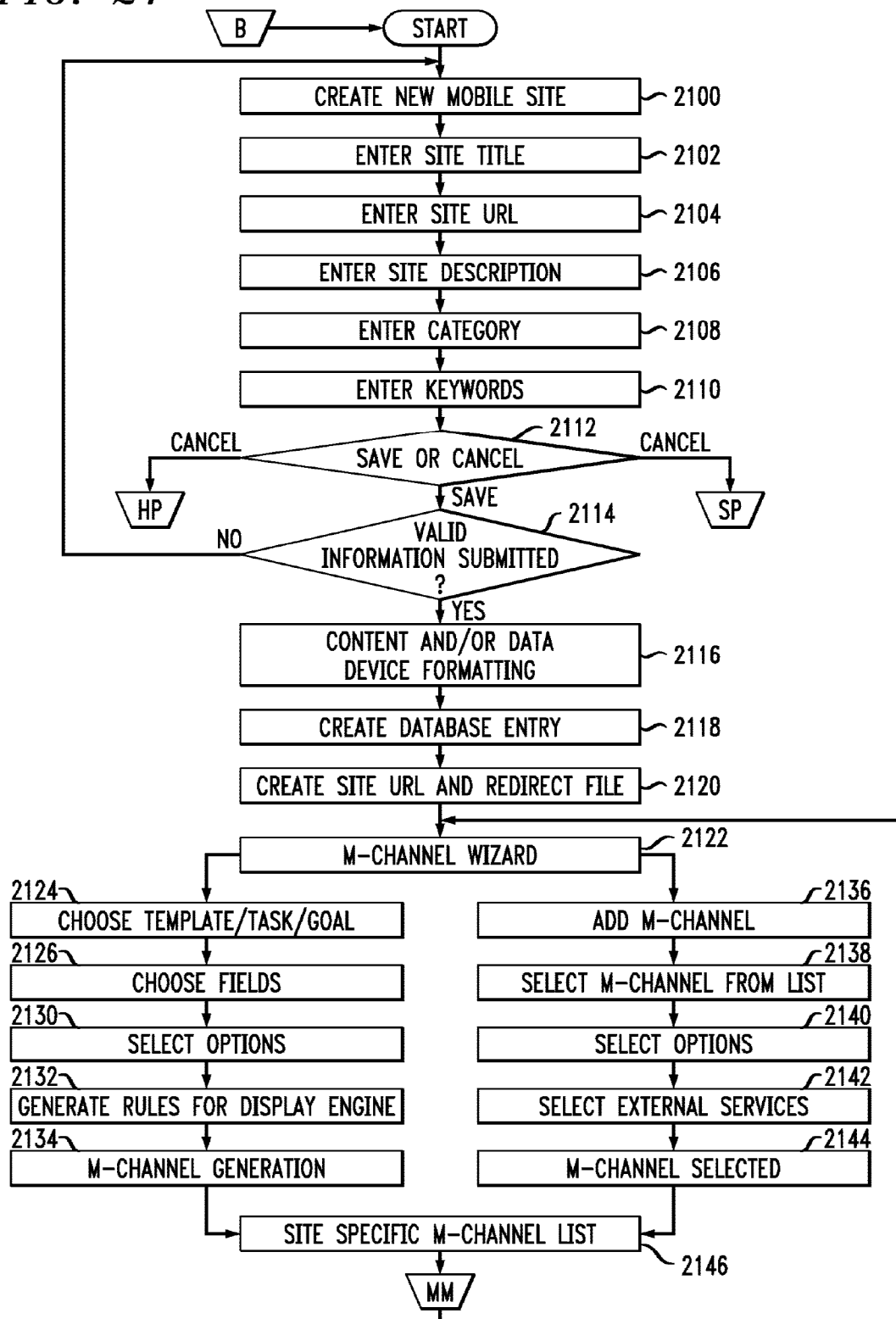
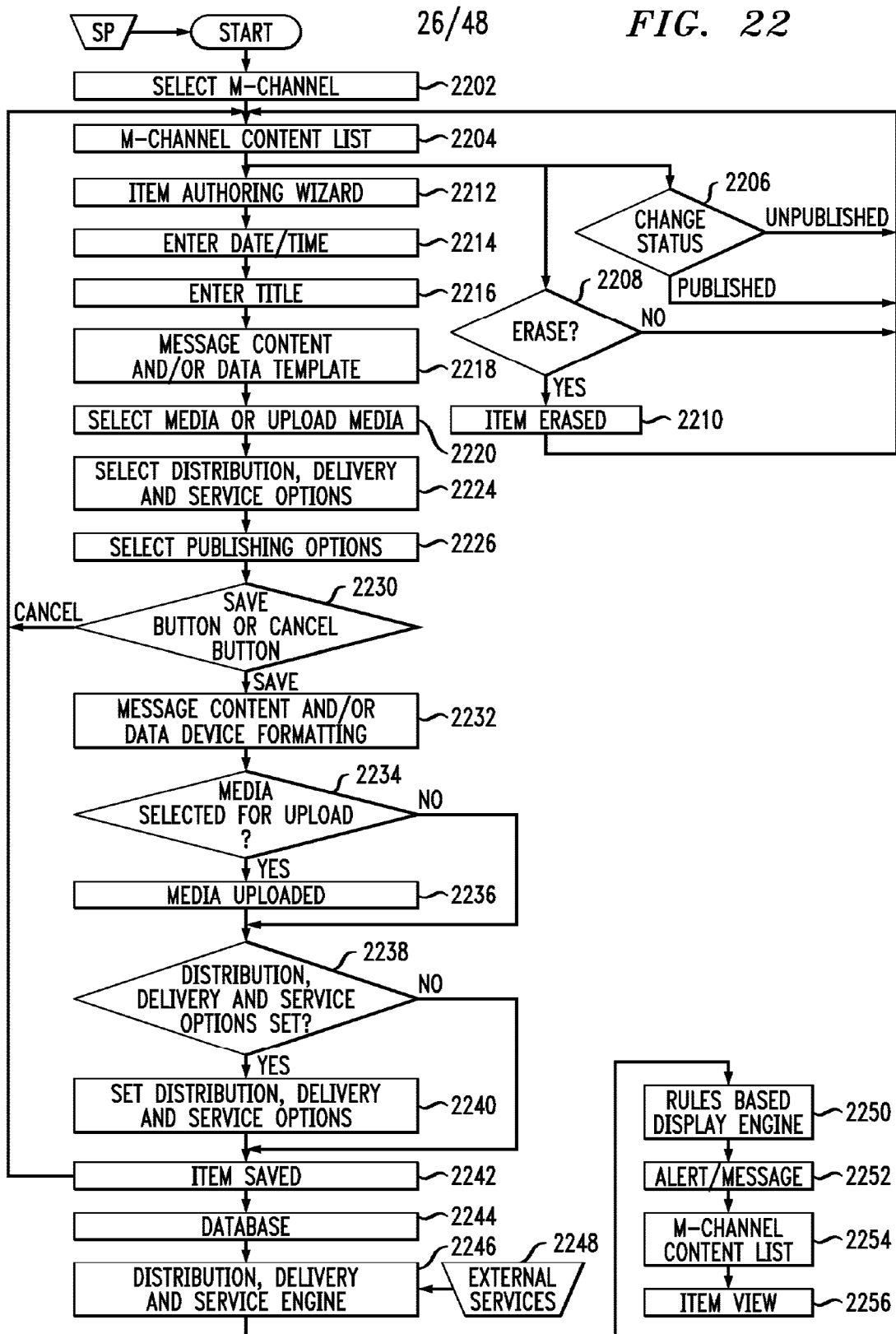


FIG. 21

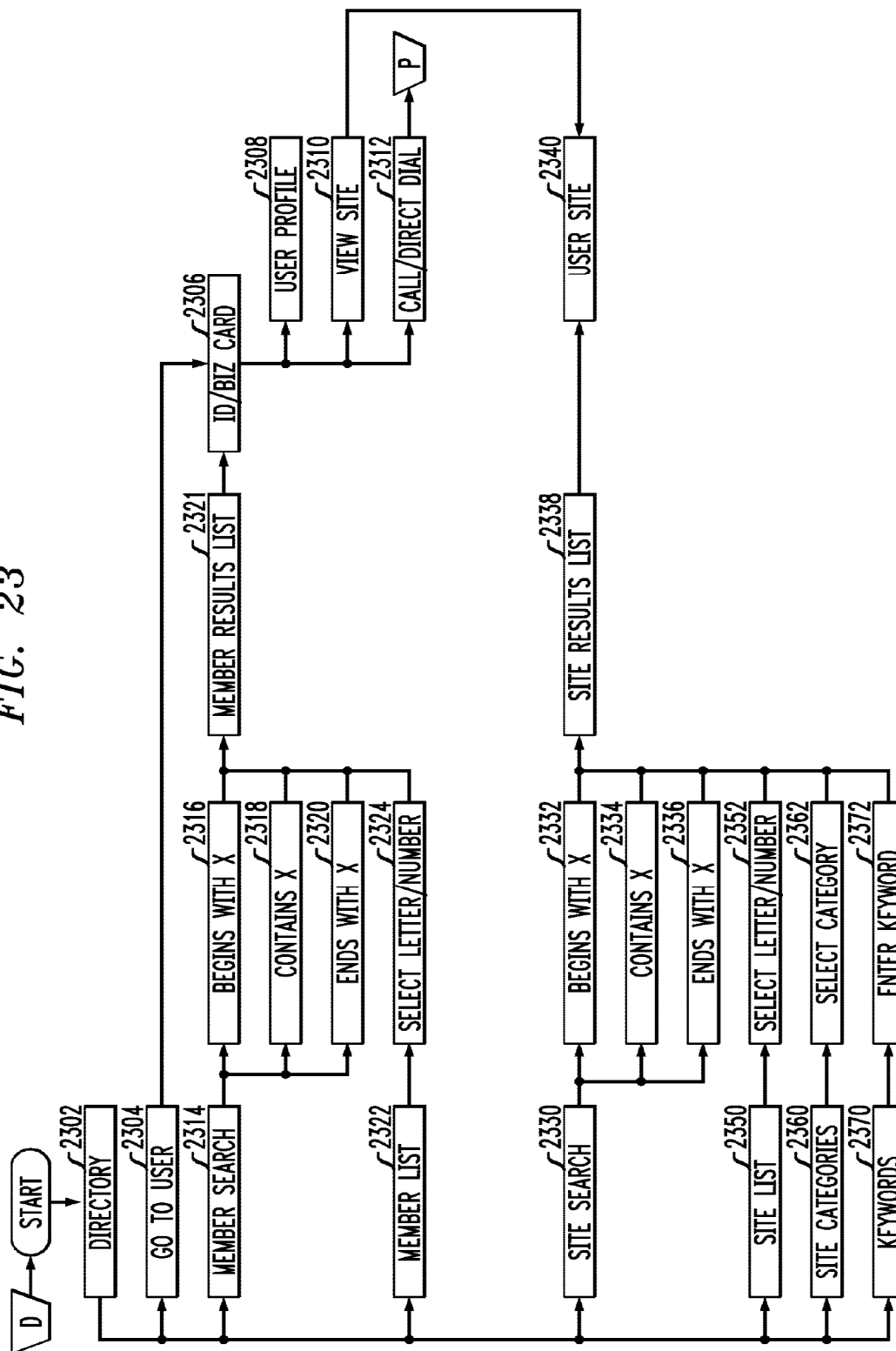
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FIG. 23



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FIG. 24a

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

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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	

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FIG. 24c

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

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FIG. 24d

WINKsite	
MEMBER SEARCH 1 Begins with (OK) 2 Contains (OK) 3 Ends with (OK)	
-----	DONE

WINKsite	
MEMBER SEARCH <i>Begins with:/Contains:/Ends with:</i> _____	
Find	

WINKsite	
MEMBERS <i>B/C/E smith</i> 1-9 of 134 1 Blacksmith (OK) 2 Smithsonian (OK) ... 8 Smith's World (OK) 9 Will Smith (OK) <i>More... (More)</i>	
-----	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) <i>More... (More)</i>	
-----	Done

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FIG. 24e

WINKsite	
SITE SEARCH 1 Begins with (OK) 2 Contains (OK) 3 Ends with (OK)	
----	DONE

WINKsite	
SITE SEARCH <i>Begins with:/Contains:/Ends with:</i> _____	
Find	

WINKsite	
SITES <i>B/C/E world</i> 1-9 of 145 1 Bill's World (Go) 2 Dave's World (Go) ... 8 Jay's World (Go) 9 Pat's World (Go) <i>More... (More)</i>	
----	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) <i>More... (More)</i>	
----	Done

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FIG. 25a

My WINKsite		My WINKsite	
Go Club 1 About (OK) 2 Announcements (OK) 3 Core (OK) 4 Agenda (OK) 5 Notes (OK) 6 Zine (OK) 7 Rant&Rave (OK) 8 Surveys (OK) 9 Chat (OK) More... (More)		Go Club Page 2 1 Journal (OK) 2 Guestbook (OK) 3 Links (OK) 4 M-Card (OK) 5 Logout (OK)	
-----	Page2/	-----	Page1

FIG. 25b

My WINKsite	
ABOUT This is the site description text.	
Main	

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FIG. 25c

My WINKsite		My WINKsite	
ANNOUNCEMENTS 1-9 of 126 1 Jan11@12:34PM (View) 2 Jan09@09:34AM (View) ... 8 Dec25@07:57PM (View) 9 Dec23@01:09AM (View) More... (More)		ANNOUNCEMENTS Tue.8 Jan 2002 01:44PM This is an example announcement.	
-----	Main	Done	

FIG. 25d

My WINKsite		My WINKsite	
CORE 1-9 of 74 1 Services (OK) 2 Products (OK) ... 8 Rebates (OK) 9 Coupons (OK) More... (More)		CORE Services Page 1 of 5 This is the content for this item, which spans many pages, and can go on and on as much as needed... Last Updated: Mon.11 Feb 2002 09:45AM ---End--- 1 More... (More) *NOTE: date/time on last page only *NOTE: "End" only on last pg. *NOTE: "More..." not on last pg.	
-----	Main	Done	

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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

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FIG. 25f

My WINKsite		My WINKsite		My WINKsite	
ZINE	1-9 of 126	ZINE	Mon. 11 Jan, 2002	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)
	1 11Jan:My Issue Name A (OK)		My Issue Name A		
	2 09Jan:My Issue Name B (OK)		10-18 of 23		
	...		1 My Article Title A (View)		
	8 03Jan:My Issue Name H (OK)		2 My Article Title B (View)		
9 30Dec:My Issue Name I (OK)	...	8 My Article Title H (View)	9 My Article Title I (View)	More... (More)	
Main		Done		Done	

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FIG. 25g

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	NOTES Name A: Note Content Tue.5 Mar 2002 12:34PM	Skip/Done	Done/
My WINKsite	NOTES Type name: _____ Type note: _____	Done	
My WINKsite	writing please wait		
My WINKsite	loading please wait		
My WINKsite	Confirm logout	Yes	No

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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)	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)	My WINKsite RANT&RAVE My Topic Fri.11 Jan 2002 1 View Comments (OK) 2 Add Comment (OK)	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: _____	My WINKsite writing please wait	My WINKsite loading please wait	My WINKsite Done/
OK			

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FIG. 25i

My WINKsite SURVEYS 1 Open:13 2 Closed:21	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)	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)
My WINKsite SURVEYS: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)	My WINKsite SURVEYS Survey Question A with nowrap? 11% Choice 1 09% Choice 2 ... 00% Choice 8 10% Choice 9 Votes:250	My WINKsite SURVEYS Survey Question A with nowrap? 1 Choice 1 (Vote) 2 Choice 2 (Vote) ... 8 Choice 8 (Vote) 9 Choice 9 (Vote)
----- Main	----- Done	----- Done
----- Cancell	Done	Done

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FIG. 25i cont.

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

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FIG. 25j

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	Cancel
My WINKsite CHAT Type alias: _____	OK	
My WINKsite [Write Msg] (Msg) * IDLE X SECS/MINS/HR/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 Surprised 6 : Confused 7 : Oh well 8 :) Cool 9 :x Kiss @j :-- Rose	-----	Done

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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

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FIG. 25k

My WINKsite		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)		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.	
-----	Main	Done	

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FIG. 251

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

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FIG. 25m

My WINKsite	
LINKS	
1-9 of 126	
1 Link Name A (Go)	
2 Link Name B (Go)	
...	
8 Link Name H (Go)	
9 Link Name I (Go)	
More... (More)	
----	Main

FIG. 25n

My WINKsite	
M-CARD	
jay	
1 Sites (OK)	
2 Profile (OK)	
3 Send e-mail (OK)	
4 6316642010 (Call)	
----	Main

My WINKsite	
jay	
Sites: 24	
1 Go Club (Go)	
2 Wap Club (Go)	
...	
8 This Club (Go)	
9 That Club (Go)	
More... (More)	
----	Done

My WINKsite	
MCARD	
jay	
Profile goes here	

Last login:	
Wed Mar 6, 2002	
09:48AM	

Member since:	
Mon Oct 1, 2001	
12:00AM	
Done	

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FIG. 250

My WINKsite E-MAIL FORM Your Name: _____	My WINKsite Your e-mail: (required) _____	My WINKsite Provide callback number?
OK	OK	Yes No

My WINKsite Type callback number: _____	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	My WINKsite Type subject: _____
OK	OK	OK

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FIG. 250 cont.

My WINKsite		
Type message: _____		
OK		

My WINKsite		
Review & Edit: 1 Name: Jay (Edit) 2 Email: jay@gmail.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		

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

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

the specification of which is attached hereto, unless the following box is checked, in which case the specification:

X was filed on June 18, 2003 as United States Application Number or PCT International Application Number 10/464,526 and was amended on _____ (if applicable).

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

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

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

Prior Foreign Application(s)

Priority Not Claimed

_____	_____	_____/_____/_____ (Day/Month/Year Filed)	_____
(Application Number)	(Country)		
_____	_____	_____/_____/_____ (Day/Month/Year Filed)	_____
(Application Number)	(Country)		

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

<u>60/389,430</u>	<u>June 18, 2002</u>
(Application Number)	(Filing Date)
_____	_____
(Application Number)	(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

_____	_____	_____
(Application Number)	(Filing Date)	(Status--patented, pending, abandoned)
_____	_____	_____
(Application Number)	(Filing Date)	(Status--patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

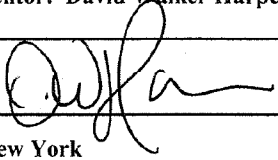
Joseph B. Ryan	Reg. No. 37,922
Kevin M. Mason	Reg. No. 36,597
William E. Lewis	Reg. No. 39,274
Robert J. Mauri	Reg. No. 41,180
Wayne L. Ellenbogen	Reg. No. 43,602
Michael J. Chang	Reg. No. 46,611
Robert W. Griffith	Reg. No. 48,956

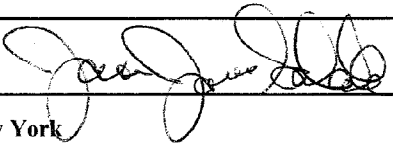
Please address all telephone calls to **Joseph B. Ryan** at telephone number: (516) 759-7517

Please address all correspondence to:

Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, New York 11560

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of the first inventor: David Walker Harper	
Inventor's signature: > 	Date: > 8/6/03
Residence: Bay Shore, New York	Citizenship: United States of America
Post Office Address: 37 19 th Avenue, Bay Shore, New York 11706	

Full name of second inventor: Jason James Sabella	
Inventor's signature: > 	Date: > 8/6/03
Residence: Coram, New York	Citizenship: United States of America
Post Office Address: 100 Villa D'Est Drive, Apt. A3, Coram, New York 11727	

Full name of third inventor: William Henry Munch	
Inventor's signature: > 	Date: > 8/6/03
Residence: Huntington, New York	Citizenship: United States of America
Post Office Address: 136 Nassau Road, Huntington, New York 11743	

SUPPLEMENTAL DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

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

the specification of which is attached hereto, unless the following box is checked, in which case the specification:

X was filed on February 15, 2011 as United States Application Number or PCT International Application Number 13/027,519 and was amended on _____ (if applicable).

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

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

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

Prior Foreign Application(s)

Priority Not Claimed

(Application Number) (Country) (Day/Month/Year Filed)

(Application Number) (Country) (Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

60/389,430 June 18, 2002
(Application Number) (Filing Date)

(Application Number) (Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

12/548,928 August 27, 2009 Patented
(Application Number) (Filing Date) (Status--patented, pending, abandoned)

10/464,526 June 18, 2003 Patented
(Application Number) (Filing Date) (Status--patented, pending, abandoned)

I hereby appoint Practitioners associated with Customer No.:

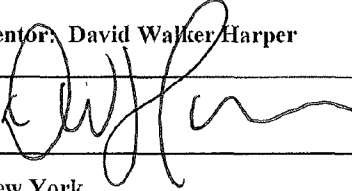
31825

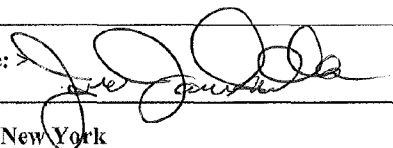
as my Attorneys with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

All written communications are to be addressed to:

**Customer No. 31825
Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, New York 11560**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of the first inventor: David Walker Harper	
Inventor's signature: > 	Date: > 9/21/2011
Residence: Bay Shore, New York	Citizenship: United States of America
Post Office Address: 37 19th Avenue, Bay Shore, NY 11706	

Full name of the second inventor: Jason James Sabella	
Inventor's signature: > 	Date: > 9/21/2011
Residence: Coram, New York	Citizenship: United States of America
Post Office Address: 1803 Townehouse Drive, Coram, NY 11727	

Full name of the third inventor: William Henry Munch	
Inventor's signature: > 	Date: > 9/22/11
Residence: Tampa, Florida	Citizenship: United States of America
Post Office Address: 481 Severn Avenue, Tampa, FL 33606	

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 13/364,950				
APPLICATION AS FILED - PART I (Column 1) (Column 2)										
FOR	NUMBER FILED	NUMBER EXTRA	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY				
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)			
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	310		N/A				
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	125		N/A				
TOTAL CLAIMS (37 CFR 1.16(i))	20	minus 20 = *	x 30 =	0.00	OR					
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3	minus 3 = *	x 125 =	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	530		TOTAL				
APPLICATION AS AMENDED - PART II (Column 1) (Column 2) (Column 3)										
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)	OR	RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	OR	x	=
	Independent (37 CFR 1.16(n))	*	Minus	***	=	x	=	OR	x	=
	Application Size Fee (37 CFR 1.16(s))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)	OR	RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	OR	x	=
	Independent (37 CFR 1.16(n))	*	Minus	***	=	x	=	OR	x	=
	Application Size Fee (37 CFR 1.16(s))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.										



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
13/364,950	02/02/2012	2447	530	1018-2 CON3	20	3

CONFIRMATION NO. 9205

31825
RYAN, MASON & LEWIS, LLP
90 FOREST AVENUE
LOCUST VALLEY, NY 11560

FILING RECEIPT



OC000000052592667

Date Mailed: 02/16/2012

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

Applicant(s)

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

Assignment For Published Patent Application

Wireless Ink Corporation, East Islip, NY

Power of Attorney:

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Joseph Ryan--37922 Robert Griffith--48956
William Lewis--39274
Robert Mauri--41180
Wayne Ellenbogen--43602

Domestic Priority data as claimed by applicant

This application is a CON of 13/027,519 02/15/2011
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 (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.)

If Required, Foreign Filing License Granted: 02/14/2012

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/364,950**

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes

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

709

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.

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

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application

Applicant(s): D. W. Harper et al.
Docket No.: 1018-2 CON3
Serial No.: 13/364,950
Filing Date: February 02, 2012
Group: 2447
Examiner: Not Yet Assigned

Title: Method, Apparatus and System for Management of Information Content
for Enhanced Accessibility over Wireless Communication Networks

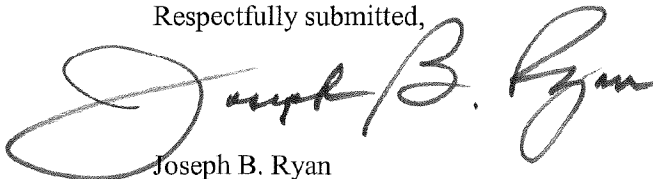
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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

Sir:

The references submitted with this Supplemental IDS have recently come to the attention of the undersigned in conjunction with on-going litigation involving related U.S. Patent Nos. 7,599,983 and 7,908,342.

Respectfully submitted,



Date: March 5, 2012

Joseph B. Ryan
Attorney for Applicant(s)
Reg. No. 37,922
Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, NY 11560
(516) 759-7517

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/06a (01-10)

Approved for use through 07/31/2012. OMB 0651-0031

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

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13364950
	Filing Date		2012-02-02
	First Named Inventor	David Walker Harper	
	Art Unit	2447	
	Examiner Name	Not Yet Assigned	
	Attorney Docket Number	1018-2 CON3	

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
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		13364950
	Filing Date		2012-02-02
	First Named Inventor	David Walker Harper	
	Art Unit	2447	
	Examiner Name	Not Yet Assigned	
	Attorney Docket Number	1018-2 CON3	

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2	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.	☐
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4	ED LOWE, "Untethered," Long Island Press, Jan. 13, 2005, http://www.longislandpress.com/2005/01/13/untethered/ , 2 pages.	☐
5	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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10	UMAIR A. KHAN ET AL., U.S. Provisional Patent Application No. 60/209,873, filed Jun. 7, 2000, 37 pages.	☐
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	13364950
Filing Date	2012-02-02
First Named Inventor	David Walker Harper
Art Unit	2447
Examiner Name	Not Yet Assigned
Attorney Docket Number	1018-2 CON3

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21	UMAIR KHAN ET AL., U.S. Provisional Patent Application No. 60/283,804, filed Apr. 12, 2001, 68 pages.	☐
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	13364950
Filing Date	2012-02-02
First Named Inventor	David Walker Harper
Art Unit	2447
Examiner Name	Not Yet Assigned
Attorney Docket Number	1018-2 CON3

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24	ADNAN M. AGBOATWALLA ET AL., U.S. Provisional Patent Application No. 60/340,405, filed Dec. 13, 2001, 121 pages.	☐
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27	UMAIR KHAN ET AL., U.S. Provisional Patent Application No. 60/283,781, filed Apr. 12, 2001, 44 pages.	☐
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31	ALEX TSAKIRIS ET AL., U.S. Provisional Patent Application No. 60/185,350, filed Feb. 26, 2000, 20 pages.	☐
32	REUVEN GAMZON, U.S. Provisional Patent Application No. 60/233,136, filed Sep. 18, 2000, 6 pages.	☐
33	BRUCE BROWN, "Create Your Own Internet With Clickmarks," PC Magazine, Nov. 21, 2000, page 64.	☐