EXHIBIT D

US010299100B2

(12) United States Patent
Beyer, Jr. et al.

(10) **Patent No.:**   **US 10,299,100 B2**
(45) **Date of Patent:**   **May 21, 2019**

(54) **METHOD TO PROVIDE AD HOC AND PASSWORD PROTECTED DIGITAL AND VOICE NETWORKS**

(71) Applicant: **AGIS Software Development LLC**, Marshall, TX (US)

(72) Inventors: **Malcolm K. Beyer, Jr.**, Jupiter, FL (US); **Christopher R. Rice**, Redmond, WA (US)

(73) Assignee: **AGIS SOFTWARE DEVELOPMENT LLC**, Marshall, TX (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **15/722,660**

(22) Filed: **Oct. 2, 2017**

(65) **Prior Publication Data**

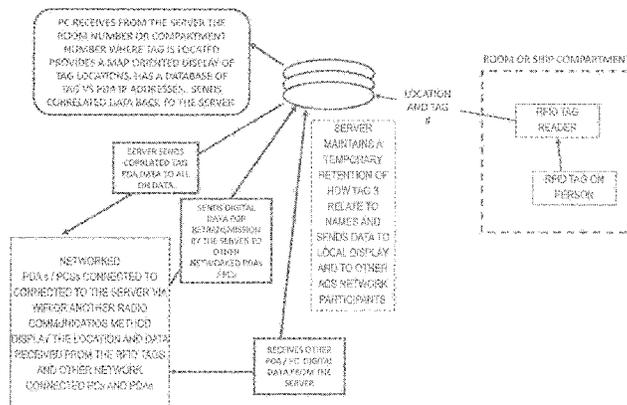US 2018/0027111 A1   Jan. 25, 2018

Related U.S. Application Data

(63) Continuation of application No. 15/469,469, filed on Mar. 24, 2017, which is a continuation of application
(Continued)

(51) **Int. Cl.**
H04W 4/90   (2018.01)
H04M 1/725   (2006.01)
(Continued)

(52) **U.S. Cl.**
CPC **H04W 4/90** (2018.02); **G01S 19/17** (2013.01); **G06F 3/0482** (2013.01);
(Continued)

(58) **Field of Classification Search**
CPC H04W 4/02
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,325,310	A	6/1994	Johnson et al.
5,555,286	A	9/1996	Tendler

(Continued)

FOREIGN PATENT DOCUMENTS

EP	1148754	A2	10/2001
EP	1655888	A1	5/2006

(Continued)

OTHER PUBLICATIONS

Batista, E., "Your Boss May Know Where You Are," Wired News, May 31, 2002; 2pgs.

(Continued)

Primary Examiner — Omoniyi Obayanju
(74) *Attorney, Agent, or Firm* — Goodwin Procter LLP

(57)   **ABSTRACT**

A method and system includes the ability for individuals to set up an ad hoc digital and voice network easily and rapidly to allow users to coordinate their activities by eliminating the need for pre-entry of data into a web or identifying others by name, phone numbers or email. This method is especially useful for police, fire fighters, military, first responders or other emergency situations for coordinating different organizations at the scene of a disaster to elevate conventional communication problems either up and down the chain of command or cross communication between different emergency units. The method and system provides that the users are only required to enter a specific Server IP address and an ad hoc event name, a password and perhaps the name of the particular unit.

31 Claims, 7 Drawing Sheets

ENABLING NON RFID EQUIPPED PDA PHONES TO RECEIVE RFID TAG DATA.

US 10,299,100 B2

Page 2

Related U.S. Application Data

No. 15/287,638, filed on Oct. 6, 2016, now Pat. No. 9,706,381, which is a continuation of application No. 14/529,978, filed on Oct. 31, 2014, now Pat. No. 9,467,838, which is a continuation-in-part of application No. 14/027,410, filed on Sep. 16, 2013, now Pat. No. 8,880,042, which is a continuation of application No. 13/751,453, filed on Jan. 28, 2013, now Pat. No. 8,538,393, which is a continuation-in-part of application No. 12/761,533, filed on Apr. 16, 2010, now Pat. No. 8,364,129, which is a continuation-in-part of application No. 11/615,472, filed on Dec. 22, 2006, now Pat. No. 8,126,441, which is a continuation-in-part of application No. 11/308,648, filed on Apr. 17, 2006, now Pat. No. 7,630,724, which is a continuation-in-part of application No. 10/711,490, filed on Sep. 21, 2004, now Pat. No. 7,031,728.

(51) **Int. Cl.**

H04W 68/00	(2009.01)
H04W 4/02	(2018.01)
H04W 76/50	(2018.01)
H04W 76/11	(2018.01)
H04M 1/2745	(2006.01)
H04W 4/08	(2009.01)
H04W 64/00	(2009.01)
H04W 84/18	(2009.01)
H04W 12/08	(2009.01)
H04W 12/02	(2009.01)
G06F 3/0482	(2013.01)
G06F 3/0484	(2013.01)
H04L 29/06	(2006.01)
H04L 29/08	(2006.01)
H04W 4/021	(2018.01)
H04L 29/12	(2006.01)
H04M 7/00	(2006.01)
H04W 12/06	(2009.01)
H04W 68/04	(2009.01)
G01S 19/17	(2010.01)
H04M 3/56	(2006.01)
H04W 4/14	(2009.01)
H04W 76/15	(2018.01)
H04W 4/10	(2009.01)
H04W 76/45	(2018.01)
H04W 12/04	(2009.01)
H04W 84/04	(2009.01)

(52) **U.S. Cl.**

CPC *G06F 3/04842* (2013.01); *H04L 61/605* (2013.01); *H04L 63/065* (2013.01); *H04L 63/083* (2013.01); *H04L 63/104* (2013.01); *H04L 67/18* (2013.01); *H04M 1/27455* (2013.01); *H04M 1/72519* (2013.01); *H04M 1/72536* (2013.01); *H04M 1/72547* (2013.01); *H04M 1/72572* (2013.01); *H04M 1/72583* (2013.01); *H04M 3/56* (2013.01); *H04M 7/006* (2013.01); *H04W 4/02* (2013.01); *H04W 4/021* (2013.01); *H04W 4/023* (2013.01); *H04W 4/026* (2013.01); *H04W 4/027* (2013.01); *H04W 4/08* (2013.01); *H04W 4/14* (2013.01); *H04W 12/02* (2013.01); *H04W 12/06* (2013.01); *H04W 12/08* (2013.01); *H04W 64/00* (2013.01); *H04W 68/00* (2013.01); *H04W 68/04*

H04W 84/18 (2013.01); *H04L 61/2007* (2013.01); *H04M 1/72525* (2013.01); *H04M 2250/10* (2013.01); *H04M 2250/22* (2013.01); *H04M 2250/62* (2013.01); *H04W 4/10* (2013.01); *H04W 12/04* (2013.01); *H04W 76/45* (2018.02); *H04W 84/042* (2013.01)

(56)   **References Cited**

U.S. PATENT DOCUMENTS

5,563,931	A	10/1996	Bishop et al.
5,692,032	A	11/1997	Seppanen
5,742,905	A	4/1998	Pepe et al.
5,764,898	A	6/1998	Tsuji et al.
5,898,434	A	4/1999	Small et al.
6,104,704	A	8/2000	Buhler et al.
6,108,704	A	8/2000	Hutton
6,119,017	A	9/2000	Cassidy et al.
6,128,291	A	10/2000	Perlman et al.
6,148,332	A	11/2000	Brewer
6,182,114	B1	1/2001	Yap et al.
6,204,844	B1	3/2001	Fumarolo et al.
6,232,971	B1	5/2001	Haynes
6,271,835	B1	8/2001	Hoeksma
6,292,747	B1	9/2001	Amro et al.
6,366,782	B1	4/2002	Fumarolo et al.
6,377,210	B1	4/2002	Moore
6,385,465	B1	5/2002	Yoshioka
6,434,403	B1	8/2002	Ausems et al.
6,459,440	B1	10/2002	Monnes et al.
6,477,387	B1	11/2002	Jackson et al.
6,487,595	B1	11/2002	Turunen et al.
6,490,521	B2	12/2002	Wiener
6,504,503	B1	1/2003	Saint Hilaire et al.
6,518,957	B1	2/2003	Lehtinen et al.
6,542,475	B1	4/2003	Bala et al.
6,549,768	B1	4/2003	Fraccaroli
6,654,683	B2	11/2003	Jin et al.
6,661,353	B1	12/2003	Gopen
6,662,016	B1	12/2003	Buckham et al.
6,665,293	B2	12/2003	Thornton et al.
6,697,734	B1	2/2004	Suomela
6,700,589	B1	3/2004	Canelones et al.
6,704,303	B1	3/2004	Bowman-Amuah
6,716,101	B1	4/2004	Meadows et al.
6,772,142	B1	8/2004	Kelling et al.
6,775,560	B2	8/2004	King et al.
6,816,878	B1	11/2004	Zimmers et al.
6,854,007	B1	2/2005	Hammond
6,867,733	B2	3/2005	Sandhu et al.
6,868,333	B2	3/2005	Melen
6,868,337	B2	3/2005	Muramatsu
6,882,856	B1	4/2005	Alterman et al.
6,885,874	B2	4/2005	Grube et al.
6,941,127	B2	9/2005	Muramatsu
7,002,952	B2	2/2006	Jones
7,024,207	B2	4/2006	Gorday et al.
7,031,700	B1	4/2006	Weaver et al.
7,031,728	B2	4/2006	Beyer, Jr.
7,039,040	B1	5/2006	Burg
7,103,333	B2	9/2006	Lazaridis et al.
7,158,878	B2	1/2007	Rasmussen et al.
7,194,083	B1	3/2007	Tischer et al.
7,219,303	B2	5/2007	Fish
7,271,742	B2	9/2007	Sheha et al.
7,292,935	B2	11/2007	Yoon
7,299,075	B2	11/2007	Gottlieb et al.
7,330,112	B1	2/2008	Emigh et al.
7,353,034	B2	4/2008	Haney
7,386,589	B1	6/2008	Tanumihardja et al.
7,398,551	B2	7/2008	Thomas et al.
7,421,270	B2	9/2008	Serafat et al.
7,426,202	B2	9/2008	Warrier et al.
7,450,003	B2	11/2008	Weber et al.
7,454,233	B2	11/2008	Lu et al.

US 10,299,100 B2

Page 3

(56)   **References Cited**

U.S. PATENT DOCUMENTS

7,499,799	B2	3/2009	Park
7,574,353	B2	8/2009	Trombetta et al.
7,593,740	B2	9/2009	Crowley et al.
7,609,669	B2	10/2009	Sweeney et al.
7,619,584	B2	11/2009	Wolf
7,630,724	B2	12/2009	Beyer, Jr. et al.
7,633,898	B2	12/2009	Jain et al.
7,672,681	B1	3/2010	Beyer
7,689,232	B1	3/2010	Beyer
7,764,954	B2	7/2010	Beyer, Jr.
7,801,134	B2	9/2010	Hori et al.
7,801,781	B2	9/2010	Olin et al.
7,805,146	B1	9/2010	Beyer
7,848,765	B2	12/2010	Phillips et al.
7,853,273	B2	12/2010	Beyer
7,912,913	B2	3/2011	Accapadi et al.
7,917,866	B1	3/2011	Karam
8,000,724	B1	8/2011	Rayburn
8,014,763	B2 *	9/2011	Hymes H04M 1/26
			455/414.2
8,078,164	B2	12/2011	Ganesan
8,126,441	B2	2/2012	Beyer, Jr.
8,139,514	B2	3/2012	Weber et al.
8,213,970	B2	7/2012	Beyer
8,250,155	B2	8/2012	Corry et al.
8,300,644	B2	10/2012	Gilbert et al.
8,364,129	B1	1/2013	Beyer, Jr.
8,369,843	B2	2/2013	Fux et al.
8,538,393	B1	9/2013	Beyer, Jr. et al.
8,549,285	B2	10/2013	Fink et al.
RE44,716	E	1/2014	Vaziri et al.
8,713,302	B1	4/2014	Kirchhoff
8,731,158	B2	5/2014	Donovan
8,781,089	B2	7/2014	Gilboa et al.
8,792,479	B2	7/2014	Bender et al.
8,880,042	B1	11/2014	Beyer, Jr. et al.
8,982,876	B2	3/2015	Kundaje et al.
9,019,946	B1	4/2015	Rao et al.
9,408,055	B2	8/2016	Beyer, Jr.
9,445,251	B2	9/2016	Beyer, Jr. et al.
9,467,838	B2	10/2016	Beyer, Jr. et al.
9,544,271	B2	1/2017	McFarland et al.
9,706,381	B2	7/2017	Beyer, Jr. et al.
9,749,829	B2	8/2017	Beyer, Jr. et al.
9,820,123	B2	11/2017	Beyer, Jr. et al.
2001/0026609	A1	10/2001	Weinstein et al.
2001/0044321	A1	11/2001	Ausems et al.
2002/0027901	A1	3/2002	Liu et al.
2002/0061762	A1	5/2002	Maggenti et al.
2002/0064147	A1	5/2002	Jonas et al.
2002/0115450	A1	8/2002	Muramatsu
2002/0115453	A1	8/2002	Poulin et al.
2002/0135615	A1	9/2002	Lang
2002/0173906	A1	11/2002	Muramatsu
2002/0194378	A1	12/2002	Foti
2003/0013461	A1	1/2003	Mizune et al.
2003/0081011	A1	5/2003	Sheldon et al.
2003/0093405	A1	5/2003	Mayer
2003/0100326	A1 *	5/2003	Grube H04W 84/08
			455/515
2003/0103072	A1	6/2003	Ko
2003/0103088	A1	6/2003	Dresti et al.
2003/0114171	A1	6/2003	Miyamoto
2003/0128195	A1	7/2003	Banerjee et al.
2003/0139150	A1	7/2003	Rodriguez et al.
2003/0149527	A1	8/2003	Sikila
2003/0200259	A1	10/2003	Tsuge
2003/0217109	A1	11/2003	Ordille et al.
2003/0224762	A1	12/2003	Lau et al.
2003/0229441	A1	12/2003	Pechatnikov
2004/0054428	A1	3/2004	Sheha et al.
2004/0137884	A1	7/2004	Engstrom et al.
2004/0143391	A1	7/2004	King et al.

2004/0157590	A1	8/2004	Lazaridis et al.
2004/0192299	A1	9/2004	Wilson et al.
2004/0204070	A1	10/2004	August et al.
2004/0213215	A1	10/2004	Kakiuchi
2004/0243710	A1	12/2004	Mao
2004/0252050	A1	12/2004	Tengler et al.
2004/0266456	A1	12/2004	Bostrom et al.
2005/0027705	A1 *	2/2005	Sadri G06F 17/30241
2005/0030977	A1	2/2005	Casey et al.
2005/0060069	A1	3/2005	Breed et al.
2005/0113123	A1	5/2005	Torvinen
2005/0130634	A1	6/2005	Godfrey
2005/0130666	A1	6/2005	Levy et al.
2005/0221876	A1	10/2005	Van Bosch et al.
2005/0227705	A1	10/2005	Rousu et al.
2005/0246419	A1	11/2005	Jaatinen
2005/0265256	A1	12/2005	Delaney
2005/0270311	A1	12/2005	Rasmussen et al.
2006/0015407	A1	1/2006	Bernard et al.
2006/0030339	A1	2/2006	Zhovnirovsky et al.
2006/0031927	A1	2/2006	Mizuno et al.
2006/0035647	A1	2/2006	Eisner et al.
2006/0039353	A1	2/2006	Samuel et al.
2006/0047825	A1	3/2006	Steenstra et al.
2006/0155871	A1	7/2006	Ilkka et al.
2006/0178128	A1	8/2006	Eaton
2006/0218232	A1	9/2006	Kubala et al.
2007/0047707	A1	3/2007	Mayer et al.
2007/0081649	A1	4/2007	Baudino
2007/0150444	A1	6/2007	Chesnais et al.
2007/0153986	A1	7/2007	Bloebaum et al.
2007/0178912	A1 *	8/2007	Baranowski G06Q 30/02
			455/456.2
2007/0200713	A1	8/2007	Weber et al.
2007/0218885	A1	9/2007	Pfleging et al.
2007/0281689	A1	12/2007	Altman et al.
2007/0281690	A1	12/2007	Altman et al.
2008/0132243	A1	6/2008	Spalink et al.
2008/0219416	A1	9/2008	Roujinsky
2008/0304460	A1	12/2008	Thermond
2010/0052945	A1	3/2010	Breed
2010/0125636	A1	5/2010	Kuhlke et al.
2011/0053554	A1	3/2011	Wong et al.
2012/0008526	A1	1/2012	Borghei
2013/0183949	A1	7/2013	Sulmar
2015/0067055	A1	3/2015	Khera et al.
2015/0264167	A1	9/2015	Beyer, Jr. et al.
2015/0319789	A1	11/2015	Beyer, Jr. et al.
2016/0021522	A1	1/2016	Beyer, Jr. et al.
2016/0057598	A1	2/2016	Beyer, Jr. et al.
2017/0026815	A1	1/2017	Beyer, Jr. et al.
2017/0201621	A1	7/2017	Beyer, Jr. et al.
2017/0238158	A1	8/2017	Beyer, Jr. et al.
2018/0152556	A1	5/2018	Beyer, Jr. et al.

FOREIGN PATENT DOCUMENTS

EP	1874021	A1	1/2008
EP	2348423	A2	7/2011
JP	H04 358448	A	12/1992
JP	H05 303335	A	11/1993
JP	H08-5394	A	1/1996
JP	H09-113288	A	5/1997
JP	2000-357296	A	12/2000
JP	2002077372	A	3/2002
JP	2002-245336	A	8/2002
JP	2002-277256	A	9/2002
JP	2003139546	A	5/2003
JP	2003230172	A	8/2003
JP	2003264861	A	9/2003
JP	2007532560	A	11/2007
WO	WO-2002/17567	A2	2/2002
WO	WO-200137532	A3	4/2002
WO	WO-2003/071825	A1	8/2003
WO	WO-03/074973	A2	9/2003

US 10,299,100 B2

Page 4

(56)   **References Cited**

FOREIGN PATENT DOCUMENTS

WO   WO-2008027891 A2   3/2008
WO   WO-2008/118878 A2   10/2008

OTHER PUBLICATIONS

Benefon ESC! GSM + GPS Personal Navigation Phone, 1999, Benefon Oyj, Salo, Finland; 4pgs.
Edlund, T. and Ciber, S., "Mobile Services for Truck Drivers," Master Thesis in Mobile Informatics, IT University of Goleborg, Sweden; 2003; 50pgs.
Garmin rino 110 2-way Radio & Personal Navigator; Owner's Manual and Reference Guide; Apr. 2003; 88pgs.
Gate5, "Mobile Community Solution: Context-sensitive Application Suite for Mobile Communities," 2002; 3pgs.
Gate5, "Mobile Guide Solution: Context-sensitive Applications for PDA-based Mobile City and Travel Guides," 2002; 4pgs.
Int'l Preliminary Report on Patentability (IPRP); for Int'l Patent App. No. PCT/JP2004/000250 dated Jul. 5, 2005; 4pgs.
Kim, R., "Find Friends by Cell Phone/Loop! Application's GPS Program can Beam Map Location," SFGate; Nov. 14, 2006; 2pgs.
Life360's Rule 50(a) Motion for Judgment as a Matter of Law; *AGIS, Inc.* v. *Life360, Inc.* (S.D. FI.); Mar. 12, 2015; 27pgs.
LocatioNet LBS Applications: MyMap description web page, published before 2004 upon information and belief; 13pgs.
LocatioNet Press Release: "LocatioNet Releases Ground Breaking Mass Market LBS Application Suite—LocatioNet MyMap," Mobile Location Services Congress; May 6, 2003; 2pgs.
Luna, L., "This Man Knows You Live . . . and Work and Play," Wireless Review; Sep. 1, 2002; pp. 24-32.
Meggers, J. and Sang-Bum Parl, A, "A Multimedia Communication Architecture for Handheld Devices," IEEE Paper 0-7803-4872-9/98, Sep. 8-11, 1998; pp. 1245-1249.
Memory Map Remote Tracking, available on the Internet at https://web.archive.org/web/20060202161013/hltp:l/memory-map.com/; 2pgs.
Plaintiff Advanced Ground Information Systems, Inc.'s Motions in Limine; *AGIS, Inc.* v. *Life360, Inc.* (S.D. FI.); Feb. 19, 2015; 54pgs.
PRNewswire, "Trimble GPS Technology Enables Seiko Epson; Communication Device and Wireless Data Service," accessed on the internet at: http://www.printthis.clickability.com/pt/cpt?expire=&title=Trimble+GPS+Technology+Enables+Seiko+Epson+Communication+Device+and+Wireless+Data+S . . . ; downloaded Jun. 16, 2016; 4pgs.
The Gate5 system, which, upon information and belief, was sold and/or publicly used within the U.S. prior to 2004 and at least as early as 2002.
The LocatioNet system which, upon information and belief, was sold and/or publically used within the U.S. prior to 2004 and at least as early as 2003; 6pgs.
Östman, L., "A Study of Location-Based Services Including a Design and Implementation of an Enhanced Friend Finder Client with Mapping Capabilities," Lulea Tekniska Univeritet; Aug. 31, 2001; 63pgs.
Batayneh, Fahd A., Location Management in Wireless Data Networks. Apr. 21, 2006, 24pgs. Available on the Internet at https://www.cse.wustl.edu/~jain/cse574-06/ftp/wireless_location/index.html.
DIGI, Remote Cellular TCP/IP to Rockwell Ethernet and Serial Devices. 37pgs.
IBM, Transmission Control Protocol / Internet Protocol. 2pgs. Available on the Internet at www.ibm.com/support/knowledgecenter/en/ssw_aix_61/com.ibm.aix.networkcomm/tcpip_intro.htm.
Kutscher, Dirk et al. Drive-thru Internet: IEEE 802.11b for "Automobile" Users. IEEE Infocom, Mar. 7, 2004. 12pgs.
Microsoft Corporation. Communication Services and Networking

Ramjee, et al. IP-Based Access Network Infrastructure for Next-Generation Wireless Data Networks. IEEE Personal Communications, Aug. 2000. 8 pgs.
Toppila, Pekka. TCP/IP in Cellular Mobile Environment. 1999, 7pgs.
Zetter, Kim. How Attackers can Use Radio Signals and Mobile Phones to Steal Protected Data. Wired, Nov. 3, 2004 5pgs. Available on the Internet at www.wired.com/2014/11/airhopper-hack/.
"911 and E911 Services," Federal Communications Commission, updated Mar. 1, 2018, available at https://www.fcc.gov/general/9-1-1-and-e9-1-1-services (last visited May 7, 2018) (6 pages).
"AGIS Introduces Landmark Mobile Networking," dated Jun. 18, 2007, available as of Aug. 7, 2007 according to Wayback Machine Internet Archive Record, obtained from: https://web.archive.org/web/20070807202449/http://www.agisinc.com/AGIS_announcement.pdf (3 pages).
"AGIS Mobile Communication & Collaboration Software Being Used by Naval Coastal Warfare Squadron," available as of Aug. 7, 2007 according to Wayback Machine Internet Archive Record, obtained from: https://web.archive.org/web/20070807202431/http://www.agisinc.com/AGIS_US_Navy_photofeature.pdf (2 pages).
"BuddySpace Downloads," dated May 1, 2007, publication date unknown, available at: http://projects.kmi.open.ac.uk/buddyspace/downloads/downloads.html (3 pages).
"Cellular Mobile Pricing Structures and Trends," Organisation for Economic Co-operation and Development, Working Party on Tele-communications and Information Service Policies, May 16, 2000 (103 pages).
"Email," Wikipedia, https://en.wikipedia.org/wiki/Email (last visited May 10, 2018) (19 pages).
"Fact Sheet: FCC Wireless 911 Requirements," Federal Communications Commission, Jan. 2001, available at https://transition.fcc.gov/pshs/services/911-services/enhanced911/archives/factsheet_requirements_012001.pdf (4 pages).
"Force XXI Battle Command, Brigade and Below (FBCB2)," available as of Feb. 4, 2017 according to Wayback Machine Internet Archive Record, obtained from: https://web.archive.org/web/20170204113146/http://www.dote.osd.mil/pub/reports/FY1999/pdf/army/99fbcb2.pdf (4 pages).
"Frequently Asked Questions," BuddySpace.org, available as of Apr. 23, 2007 according to Wayback Machine Internet Archive Record, obtained from: https://web.archive.org/web/20070423184018/http://kmi.open.ac.uk:80/projects/buddyspace/faq.html (11 pages).
"Frequently Asked Questions," BuddySpace.org, available as of Feb. 3, 2004 according to Wayback Machine Internet Archive Record, obtained from: https://web.archive.org/web/20040204032758/http://kmi.open.ac.uk:80/projects/buddyspace/faq.html (4 pages).
"History of Mobile Phones," Wikipedia, https://en.wikipedia.org/wiki/History_of_Mobile_phones (last visited May 10, 2018) (14 pages).
"How It Works: The Navizon Wireless Positioning System," Navizon.com, available as of Feb. 19, 2006 according to Wayback Machine Internet Archive Record, obtained from: https://web.archive.org/web/20060219075647/http://www.navizon.com:80/FullFeatures.htm (8 pages).
"Introduction & Philosophy: Presence in a Nutshell," publication date unknown, available at: http://projects.kmi.open.ac.uk/buddyspace/intro-philosophy.html (3 pages).
"MMode Features: Find Friends," AT&T Wireless, available as of Jun. 18, 2003 according to Wayback Machine Internet Archive Record, obtained from: https://web.archive.org/20030618175223/http://www.attwireless.com:80/mmode/features/findit/FindFriends/ (2 pages).
"Navizon: The first Peer-to-Peer Wireless Positioning System that successfully blends GPS +WiFi + Celluar signals together into one accurate and powerful Mobile Geo-Location System," Navizon.com, available as of Dec. 18, 2005 according to Wayback Machine Internet Archive Record, obtained from: https://web.archive.org/web/20051218105454/http://www.navizon.com:80/index.htm (2 pages).

DOCKET ALARM

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts

Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research

With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips

Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

fastcase®
Smarter legal research.