

1 **COMPLAINT FOR PATENT INFRINGEMENT**

2 Pursuant to the Court’s September 27, 2013, Order (DOC. 60) Plaintiff SILVER
3 STATE INTELLECTUAL TECHNOLOGIES, INC., by and through its undersigned
4 attorneys, hereby complains of Defendant FOURSQUARE LABS, INC. for infringement of
5 the United States Patents identified herein, and files this Third Amended Complaint, and alleges
6 as follows:

7 **JURISDICTION AND VENUE**

8 1. This is an action for patent infringement arising under the patent laws of the
9 United States, Title 35, United States Code, and more particularly 35 U.S.C. §§ 271 and 281.

10 2. This Court has jurisdiction over the subject matter of this action pursuant to 28
11 U.S.C. §§ 1331 and 1338(a).

12 3. Venue is proper in this judicial district pursuant to 28 U.S.C. §§ 1391(b) and (c),
13 and 1400(b).

14 **THE PARTIES**

15 4. Plaintiff SILVER STATE INTELLECTUAL TECHNOLOGIES, INC.
16 (hereinafter, “SILVER STATE”) is a Nevada corporation with its principal place of business
17 at 9811 Charleston Blvd., #2-787, Las Vegas, Nevada 89117.

18 5. SILVER STATE is the owner by assignment of United States Patent No.
19 7,343,165, entitled GPS PUBLICATION APPLICATION SERVER, duly and lawfully issued
20 on March 11, 2008 (“the ’165 patent”), attached hereto as Exhibit A; among other patents and
21 pending patent applications.

22 6. Upon information and belief, Defendant FOURSQUARE LABS, INC.
23 (hereinafter, “FOURSQUARE LABS”) is a Delaware corporation with a principal place of
24 business at 568 Broadway, 10th Floor, New York, New York 10012.

25 7. Upon information and belief, FOURSQUARE LABS makes, uses, and
26 provides in the United States the “foursquare” brand location-based social networking system
27 that SILVER STATE alleges infringes the ’165 patent, as alleged further herein below.
28 SILVER STATE reserves the right to amend its Complaint to include allegations of

1 infringement of additional patents owned by SILVER STATE based on the results of
2 discovery in this matter.

3 8. Upon information and belief, FOURSQUARE LABS does business and
4 provides its system and services in this judicial district, and has committed acts of
5 infringement in this judicial district.

6 9. FOURSQUARE LABS has been aware of the '165 patent since at least
7 October 15, 2012, when FOURSQUARE LABS acknowledged receipt of the original
8 Complaint filed herein, and likely as early as July 25, 2012, when the original Complaint was
9 filed. Accordingly, SILVER STATE's claims for relief based upon allegations of indirect
10 infringement are limited to the period after July 25, 2012, unless discovery reveals that
11 FOURSQUARE LABS learned of the '165 patent prior to that date.

12 **FIRST CLAIM FOR RELIEF**

13 **(Direct Infringement of the '165 Patent)**

14 10. SILVER STATE realleges and incorporates herein by reference the allegations
15 stated in paragraphs 1-9 of this Complaint.

16 11. Upon information and belief, in violation of 35 U.S.C. § 271(a),
17 FOURSQUARE LABS has directly infringed, and is continuing to directly infringe, one or
18 more claims of the '165 patent by providing its "foursquare" brand location-based social
19 networking system in the United States, including, without limitation, at least direct
20 infringement of Claim 1.

21 12. For example, upon information and belief, FOURSQUARE LABS has directly
22 infringed independent Claim 1 of the '165 patent by carrying out the claimed method of:
23 (a) "allocating a user-specific space in memory accessible over a computer network to a
24 specific user," for example, when foursquare users register for an account and provide
25 information about themselves to foursquare; (b) "associating a mobile communication device
26 with a user," for example, when foursquare users register for an account the foursquare
27 system associates the user's smartphone to the user's name and account; (c) "determining a
28 geographic location of the user by receiving location information provided by the a mobile

1 communication device,” for example, when receiving the location of a user determined by the
2 user’s smartphone when the user checks in to a location on foursquare; (d) “storing data
3 indicative of the location of the user in the user-specific space,” for example, when storing
4 the geographic location of a user who has checked into a location in the user-specific memory
5 space; (e) “receiving, from the user, additional data regarding the user, the additional data
6 being related to the geographic location of the user,” for example, when receiving a message
7 from the user related to the location where the user is checked in, such as a recommendation
8 about the location or what the user is doing at the location; (f) “storing the additional data
9 regarding the user in the user-specific space,” for example, when storing the user’s
10 recommendations about a location or what the user is doing at the location in the user-specific
11 memory space; (g) “receiving from the user an access list of possible requesters of the data
12 and the additional data,” for example, when foursquare users establish a list of friends with
13 whom the user is willing to share his or her location information and recommendations about
14 a location; (h) “storing the access list of possible requesters of the data and the additional data
15 in the user-specific space,” for example, when storing the user’s lists of friends in the user-
16 specific memory space; and (i) “providing the data indicative of the location of the user and
17 the additional data regarding the user to possible requesters on the access list,” for example,
18 when friends of the user are provided information about the user being at the same location as
19 the friend or nearby, and the recommendations or other information that the user has provided
20 related to his or her location.

21 13. Upon information and belief, FOURSQUARE LABS’s infringement of the
22 ’165 patent has been, and will continue to be, willful and deliberate, making this case an
23 exceptional case under 35 U.S.C. § 285, because FOURSQUARE LABS has failed to allege
24 any factual basis in support of a good faith defense that it does not infringe the ’165 patent, or
25 that the ’165 patent is invalid. For example, in response to the original Complaint filed
26 herein, FOURSQUARE LABS specifically requested that SILVER STATE provide more
27 detailed infringement allegations. Despite SILVER STATE providing more detailed
28 infringement allegations in the Amended Complaint filed herein, FOURSQUARE LABS

1 simply denied the detailed allegations of each paragraph of the Amended Complaint without
2 any explanation, and provided only cursory counterclaims, which lack any substantive
3 allegations as to noninfringement or invalidity. Accordingly, FOURSQUARE LABS's
4 answer and counterclaims for non-infringement and invalidity fail to allege any factual basis
5 in support of a good faith defense that FOURSQUARE LABS does not infringe or that the
6 '165 patent is invalid. Therefore, upon information and belief, no objectively reasonable
7 basis exists that FOURSQUARE LABS is not willfully infringing the '165 patent.

8 14. As a direct and proximate result of FOURSQUARE LABS's direct willful
9 infringement of the '165 patent, SILVER STATE has been and continues to be damaged.

10 15. SILVER STATE has been and will continue to be irreparably harmed by
11 FOURSQUARE LABS's direct infringement of the '165 patent unless enjoined by this Court.

12 **SECOND CLAIM FOR RELIEF**

13 **(Induced Infringement of the '165 Patent)**

14 16. SILVER STATE realleges and incorporates herein by reference the allegations
15 stated in paragraphs 1-15 of this Complaint.

16 17. Upon information and belief, in violation of 35 U.S.C. § 271(b),
17 FOURSQUARE LABS has indirectly infringed, and is continuing to indirectly infringe, one
18 or more claims of the '165 patent by providing its "foursquare" brand location-based social
19 networking system in the United States, including, without limitation, at least indirect
20 infringement of Claim 2 of the '165 patent.

21 18. For example, upon information and belief, since at least July 25, 2012,
22 FOURSQUARE LABS has knowingly indirectly infringed independent Claim 2 of the '165
23 patent by inducing users of the foursquare system to directly infringe Claim 2 by using or
24 putting into service the claimed system comprising: (a) "a personal communication device
25 (PCD) comprising a GPS receiver and wireless communication capability," for example, the
26 user's smartphone; (b) "a GPS server receiving information indicating a geographic location
27 and a unique identifier associated with the PCD, the GPS server providing the PCD location
28 and the unique identifier associated with the PCD to an application server," for example, the

1 foursquare servers that process the location data received from the user when he or she
2 checks into a location; (c) “the application server configured to execute a program upon
3 receiving the geographic location and the unique identifier information associated with the
4 PCD to update a user specific data space with a current geographic location and the unique
5 identifier associated with the PCD,” for example, the foursquare servers that process the
6 location data received from the user when he or she checks into a location to update the
7 information in the user specific data space; (d) “the application server further configured to
8 allow different users different access to the application server based on the identity of a user,”
9 for example, the foursquare servers that only allow the user’s location and other information
10 provided by the user to be shared with the friends of the user and no other users of the
11 foursquare system; (e) “wherein the application server is further configured to store
12 information received from and concerning an individual associated with the PCD in the user
13 specific data space, the stored information in the user specific data space including an access
14 list of possible requesters of information concerning the individual associated with the PCD,
15 the access list being received from the individual associated with the PCD,” for example, the
16 foursquare servers that are configured to store the information about a user in the user
17 specific data space including the user’s list of friends that have access to the user’s location;
18 and (f) “wherein the information stored in the user specific data space includes additional
19 information related to the geographic location of the individual associated with the PCD,” for
20 example, the foursquare servers that are configured to store the user’s recommendations
21 about a location or what the user is doing at the location in the user specific data space.

22 19. Additionally, for example, upon information and belief, FOURSQUARE
23 LABS, having knowledge of the ’165 patent and the content of its claims since at least July
24 25, 2012, intended to induce infringement of at least Claim 2 of the ’165 patent by continuing
25 to provide within the United States the foursquare system constituting a material part of the
26 claimed system of Claim 2, e.g., all of the components of Claim 2 other than the personal
27 communication device, and continuing to induce users of the foursquare system to directly
28 infringe Claim 2. FOURSQUARE LABS, having knowledge of the ’165 patent, continues to

1 promote its infringing system on its website. FOURSQUARE LABS provides the foursquare
2 system which includes items (b) – (f) as set forth in paragraph 18. FOURSQUARE LABS
3 further promotes its mobile application (“app”), which FOURSQUARE LABS intends for use
4 on a user’s personal communication device. FOURSQUARE LABS provides instructions
5 and links to download the foursquare app on iPhone, Android phones, Blackberry phones,
6 and others on its website. *See*, <https://foursquare.com/download>, accessed October 1, 2013, a
7 screenshot of which is attached hereto as Exhibit B. A majority of iPhones, Android phones
8 and Blackberry phones are GPS-enabled personal communication devices. Foursquare
9 answers the question “What is Foursquare,” on its website, saying:

10 [f]oursquare is a free app that helps you and your friends make the most of
11 where you are. When you're out and about, use Foursquare to share and
12 save the places you visit. And, when you're looking for inspiration for
13 what to do next, we'll give you personalized recommendations and deals
14 based on where you, your friends, and people with your tastes have been.

15 <https://foursquare.com/about>, accessed October 1, a screenshot of which is attached hereto as
16 Exhibit C. By its own definition, FOURSQUARE LABS intends to induce users to download
17 the foursquare app to their mobile phones, and use their mobile phones to check-in places and
18 provide location specific and other information to the foursquare system. FOURSQUARE
19 LABS also prominently features the request “Join over 40 million people using our app to
20 keep up and meet up with friends,” and boasts “over 4.5 billion check-ins, with millions more
21 every day.” <https://foursquare.com/>, accessed October 1, a screenshot of which is attached
22 hereto as Exhibit D; <https://foursquare.com/about>. Since FOURSQUARE LABS has known
23 of the ’165 patent since at least July 25, 2013, and because FOURSQUARE LABS
24 specifically promotes its mobile app and encourages users to check-in and use the foursquare
25 system via users’ personal communication devices, FOURSQUARE LABS has manifested a
26 probable intent to induce infringement of the ’165 patent, and accordingly has induced, and
27 continues to actively induce infringement of at least Claim 2 of the ’165 patent.

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1 26. Additionally, upon information and belief, the components provided by
2 FOURSQUARE LABS to enable the foursquare service whereby a user “checks in” at a
3 particular location using a personal communication device and provides additional
4 information related to the geographic location of the individual associated with the personal
5 communication device, as described in paragraphs 12 and 18 above, have no substantial non-
6 infringing uses absent combination with the user’s personal communication device. The
7 foursquare system, as described above in paragraphs 12 and 18, is dependent on users’ use of
8 personal communications and check-ins in order to provide the features of the foursquare
9 system. As described in paragraph 19 above, Foursquare defines itself as “a free app that
10 helps you and your friends make the most of where you are. When you are out and about, use
11 Foursquare to share and save the places you visit.” Ex. C. FOURSQUARE LABS wants
12 users to download and use the foursquare app on users’ personal communication devices. *See*
13 Ex. B. FOURSQUARE LABS provides “window clings” for businesses to put up at their
14 business establishments which encourage users to check-in, which is done using a personal
15 communication device. [http://support.foursquare.com/entries/21754438-Can-I-get-a-window-](http://support.foursquare.com/entries/21754438-Can-I-get-a-window-cling-)
16 [cling-](http://support.foursquare.com/entries/21754438-Can-I-get-a-window-cling-), accessed Oct. 1, 2013, a screenshot of which is attached hereto as Exhibit E. The
17 entire foursquare system relies on users using their personal communication devices. For
18 example, FOURSQUARE LABS states on its blog,

19 “The idea behind Foursquare has always been that, someday, hundreds of
20 millions of people will carry software in their pocket that lets them know
21 when friends are nearby. . . . With over 4 billion check-ins, our location
22 accuracy has hugely improved. With more than 32 million tips, you’ve
23 told us about great things worth discovering all around the world. . . .
24 Because it’s [foursquare] powered by billions of check-ins, it’s also smart
25 ”

26 <http://blog.foursquare.com/>, accessed Oct. 2, 2013, a screenshot of which is attached hereto
27 as Exhibit F. Therefore, the foursquare system is entirely built on users using personal
28 communication devices. Without the use of personal communication devices and check-

1 ins, the foursquare system would lose its key feature, be useless, and have no substantial
2 non-infringing uses. Therefore, the components provided by FOURSQUARE LABS to
3 enable the foursquare check in service have no substantial, non-infringing uses other than
4 to perform the claimed invention of the '165 patent.

5 27. Upon information and belief, FOURSQUARE LABS's contributory
6 infringement of the '165 patent has been, and will continue to be, willful and deliberate,
7 making this case an exceptional case under 35 U.S.C. § 285, because FOURSQUARE LABS
8 has failed to allege any factual basis in support of a good faith defense that it does not
9 contributorily infringe the '165 patent, or that the '165 patent is invalid.

10 28. As a direct and proximate result of FOURSQUARE LABS's willful
11 contributory infringement of the '165 patent, SILVER STATE has been and continues to be
12 damaged.

13 29. SILVER STATE has been and will continue to be irreparably harmed by
14 FOURSQUARE LABS's contributory infringement of the '165 patent unless enjoined by this
15 Court.

16 **PRAYER FOR RELIEF**

17 WHEREFORE, Plaintiff SILVER STATE prays for relief as follows:

18 A. That FOURSQUARE LABS be adjudged to have directly infringed the '165
19 patent under 35 U.S.C. § 271(a);

20 B. That FOURSQUARE LABS be adjudged to have induced infringement the '165
21 patent under 35 U.S.C. § 271(b);

22 C. That FOURSQUARE LABS be adjudged to have contributorily infringed the
23 '165 patent under 35 U.S.C. § 271(c);

24 D. That FOURSQUARE LABS, its subsidiaries, affiliates, officers, agents,
25 servants, employees and attorneys, and all those persons in active concert or participation with
26 any of them be permanently restrained and enjoined under 35 U.S.C. § 283 from directly and
27 indirectly infringing the '165 patent;

28 ///

1 E. That the Court award Plaintiff SILVER STATE recovery of damages to
2 compensate it for FOURSQUARE LABS's infringement of SILVER STATE's patent as
3 alleged herein, pursuant to 35 U.S.C. § 284;

4 F. That FOURSQUARE LABS be adjudged to have willfully infringed the '165
5 patent under 35 U.S.C. § 271, and that the Court treble the amount of actual damages pursuant to
6 35 U.S.C. § 284;

7 G. That this action be adjudged an exceptional case, and that the Court award
8 SILVER STATE its reasonable attorney's fees incurred in this action, pursuant to 35 U.S.C.
9 § 285;

10 H. That the Court order FOURSQUARE LABS to provide an accounting and to
11 pay supplemental damages to SILVER STATE, including without limitation pre-judgment and
12 post-judgment interest, and costs of suit herein pursuant to 35 U.S.C. § 284; and

13 I. That Plaintiff SILVER STATE have such other and further relief as this Court
14 may deem just and proper.

15 Respectfully submitted,

16 KNOBBE, MARTENS, OLSON & BEAR, LLP

17 Dated: October 4, 2013

18 By: s/ Frederick S. Berretta
19 Frederick S. Berretta (*pro hac vice*)
Peter Law (*pro hac vice*)

20 and

21 MCDONALD CARANO WILSON LLP

22 Andrew P. Gordon
Jeffrey A. Silvestri

23 Attorneys for Plaintiff
24 SILVER STATE INTELLECTUAL
TECHNOLOGIES, INC.

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DEMAND FOR TRIAL BY JURY

Plaintiff SILVER STATE hereby demands a trial by jury on all issues so triable.

Respectfully submitted,
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: October 4, 2013

By: s/ Frederick S. Berretta
Frederick S. Berretta (*pro hac vice*)
Peter Law (*pro hac vice*)

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PROOF OF SERVICE

I hereby certify that on October 4, 2013, I caused the **THIRD AMENDED COMPLAINT FOR PATENT INFRINGEMENT** to be electronically filed with the Clerk of the Court using the CM/ECF system which will send electronic notification of such filing to the following person(s):

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Executed on October 4, 2013, at Los Angeles, California.



Doreen P. Buluran

Exhibit A



US007343165B2

(12) **United States Patent**
Obradovich

(10) **Patent No.:** US 7,343,165 B2
(45) **Date of Patent:** Mar. 11, 2008

(54) **GPS PUBLICATION APPLICATION SERVER**

(75) Inventor: **Michael L. Obradovich**, San Clemente, CA (US)
(73) Assignee: **American Calcar Inc.**, Las Vegas, NV (US)

5,265,024 A 11/1993 Crabill et al.
5,267,042 A 11/1993 Tsuchiya et al.
5,295,064 A 3/1994 Malec et al.
5,299,132 A 3/1994 Wortham
5,334,974 A 8/1994 Simms et al.
5,335,276 A 8/1994 Thompson et al.

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 597 days.

(Continued)

(21) Appl. No.: **09/833,969**

FOREIGN PATENT DOCUMENTS

(22) Filed: **Apr. 11, 2001**

EP 0713317 5/1996

(65) **Prior Publication Data**

US 2002/0045456 A1 Apr. 18, 2002

(Continued)

Related U.S. Application Data

OTHER PUBLICATIONS

(60) Provisional application No. 60/196,575, filed on Apr. 11, 2000.

Written Opinion for International Application PCT/US01/12066, filed Apr. 11, 2001, Mailed Apr. 10, 2002 (4 pgs).

(51) **Int. Cl.**
H04Q 7/20 (2006.01)

(Continued)

(52) **U.S. Cl.** **455/456.1; 455/461**

Primary Examiner—Lee Nguyen

(58) **Field of Classification Search** .. 455/456.1–456.6, 455/461, 457; 342/357.01, 357.09

(74) *Attorney, Agent, or Firm*—Christie, Parker & Hale, LLP

See application file for complete search history.

(57) **ABSTRACT**

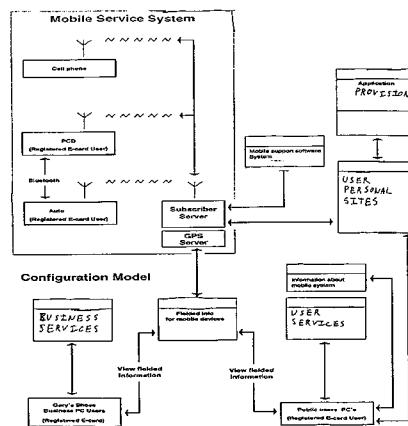
(56) **References Cited**

U.S. PATENT DOCUMENTS

4,350,970 A 9/1982 von Tomkewitsch
4,521,857 A 6/1985 Reynolds, III
4,792,803 A 12/1988 Madnick et al.
4,812,843 A 3/1989 Champion, III et al.
4,977,509 A 12/1990 Pitchford et al.
5,043,736 A 8/1991 Darnell et al.
5,119,504 A 6/1992 Durboraw, III
5,124,915 A 6/1992 Krenzel
5,164,904 A 11/1992 Sumner
5,189,632 A 2/1993 Paajanen et al.
5,225,843 A 7/1993 Thompson
5,235,633 A 8/1993 Dennison et al.

A GPS publication application server. A mobile location knowledgeable device is in communication with a server. The server provides indications of the device's location to a home page associated with the device. The home page includes information about a user of the device and methods of contacting the user at any particular time. The server is also in communication with a variety of application servers. The application servers push information to the device depending on the device location and preferences listed in the home page of the device.

12 Claims, 6 Drawing Sheets



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Page 2

U.S. PATENT DOCUMENTS

5,420,592 A	5/1995	Johnson	6,122,506 A	9/2000	Lau et al.
5,432,841 A	7/1995	Rimer 379/59	6,124,825 A	9/2000	Eschenbach
5,450,329 A	9/1995	Tanner	6,127,945 A	10/2000	Mura-Smith
5,479,351 A	12/1995	Woo et al.	6,131,066 A	10/2000	Ahrens et al.
5,479,482 A	12/1995	Grimes	6,134,501 A	10/2000	Oumi
5,497,339 A	3/1996	Bernard	6,141,610 A	10/2000	Rothert et al.
5,517,193 A	5/1996	Allison et al.	6,144,920 A	11/2000	Mikame
5,519,403 A	5/1996	Bickley et al.	6,147,598 A	11/2000	Murphy et al.
5,528,248 A	6/1996	Steiner	6,148,261 A	11/2000	Obradovich et al.
5,555,286 A	9/1996	Tendler	6,163,749 A	12/2000	McDonough et al.
5,559,520 A	9/1996	Barzegar et al.	6,163,753 A	12/2000	Beckmann et al.
5,559,707 A	9/1996	DeLorme et al.	6,166,626 A	12/2000	Janky et al.
5,572,204 A	11/1996	Timm et al.	6,169,955 B1	1/2001	Fultz
5,579,535 A	11/1996	Orlen et al.	6,173,231 B1	1/2001	Chojnacki
5,625,668 A	4/1997	Loomis et al.	6,184,801 B1	2/2001	Janky
5,625,884 A	4/1997	Gitlin et al.	6,185,427 B1	2/2001	Krasner et al.
5,627,549 A	5/1997	Park	6,188,957 B1	2/2001	Bechtolsheim et al.
5,630,068 A	5/1997	Vela et al.	6,192,312 B1	2/2001	Hummelsheim
5,636,269 A	6/1997	Eisdorfer	6,192,314 B1	2/2001	Khavakh et al.
5,642,285 A	6/1997	Woo et al.	6,199,013 B1	3/2001	O'Shea
5,647,002 A	7/1997	Brunson	6,202,023 B1	3/2001	Hancock et al.
5,648,763 A	7/1997	Long	6,208,934 B1	3/2001	Bechtolsheim et al.
5,648,769 A	7/1997	Sato et al.	6,212,392 B1	4/2001	Fitch et al.
5,654,886 A	8/1997	Zereski, Jr. et al.	6,212,470 B1	4/2001	Seymour et al.
5,661,652 A	8/1997	Sprague et al.	6,212,472 B1	4/2001	Nonaka et al.
5,663,548 A	9/1997	Hayashi et al.	6,212,473 B1	4/2001	Stefan et al.
5,673,039 A	9/1997	Pietzsch et al.	6,212,550 B1	4/2001	Segur
5,677,837 A	10/1997	Reynolds	6,215,857 B1	4/2001	Kasiviswanathan
5,680,444 A	10/1997	Reeves	6,215,993 B1	4/2001	Ulveland
5,694,514 A	12/1997	Evans et al.	6,219,557 B1	4/2001	Havinis
5,699,056 A	12/1997	Yoshida	6,219,614 B1	4/2001	Uchihaki et al.
5,712,625 A	1/1998	Murphy	6,219,694 B1	4/2001	Lazaridis et al.
5,717,748 A	2/1998	Sneed, Jr. et al.	6,321,158 B1	11/2001	DeLorme et al.
5,717,749 A	2/1998	Sneed, Jr. et al.	6,332,127 B1	12/2001	Bandera et al.
5,719,936 A	2/1998	Hillenmayer	6,360,102 B1 *	3/2002	Havinis et al. 455/457
5,720,037 A	2/1998	Biliris et al.	6,377,810 B1 *	4/2002	Geiger et al. 455/456.2
5,724,417 A	3/1998	Bartholomew et al.	2002/0068551 A1 *	6/2002	Strunk et al. 455/414
5,727,053 A	3/1998	Sizer, II et al.			
5,731,997 A	3/1998	Manson et al.			
5,742,509 A	4/1998	Goldberg et al.			
5,748,252 A	5/1998	Draves			
5,760,742 A	6/1998	Branch et al.			
5,774,070 A	6/1998	Rendon			
5,774,825 A	6/1998	Reynolds			
5,774,827 A	6/1998	Smith, Jr. et al.			
5,781,150 A	7/1998	Norris			
5,786,789 A	7/1998	Janky			
5,790,974 A	8/1998	Tognazzini			
5,794,174 A	8/1998	Janky et al.			
5,802,492 A	9/1998	DeLorme et al.			
5,819,227 A	10/1998	Obuchi			
5,848,373 A	12/1998	DeLorme et al.			
5,864,305 A	1/1999	Rosenquist			
5,908,464 A	6/1999	Kishigami et al.			
5,919,246 A	7/1999	Waizmann et al.			
5,929,774 A	7/1999	Charlton			
5,938,721 A	8/1999	Dussell et al.			
5,946,626 A	8/1999	Foladare et al. 455/456			
5,948,040 A	9/1999	DeLorme et al.			
5,963,956 A	10/1999	Smartt			
5,982,298 A	11/1999	Lappenbusch et al.			
5,999,124 A	12/1999	Sheynblat			
5,999,877 A	12/1999	Takahashi et al.			
6,028,550 A	2/2000	Froeborg et al.			
6,047,327 A	4/2000	Tso et al.			
6,075,874 A	6/2000	Higashikubo et al.			
6,087,965 A	7/2000	Murphy			
6,092,076 A	7/2000	McDonough et al.			
6,107,939 A	8/2000	Sorden			
6,107,944 A	8/2000	Behr et al.			
6,119,066 A	9/2000	Sugiura et al.			

FOREIGN PATENT DOCUMENTS

EP	0 829 704 A2	3/1998
EP	0853287 A2	7/1998
JP	9-231263	9/1997
JP	113072	1/1999
WO	WO 99/56144	11/1999
WO	WO 00/03364	1/2000
WO	WO 00/04730	1/2000

OTHER PUBLICATIONS

International Search Report of PCT/US01/12066 mailed Aug. 8, 2001 (4 pages).

Supplementary European Search Report for European Application Publication No. 1279305, published Jan. 29, 2003, Search Report Dated Mar. 21, 2003 (3 pages).

Alcatel web pages, Alcatel, Nov. 24, 1998 (58 pages).

Giga Information Group, Inc. web pages, Giga Information Group, Inc. Nov. 24, 1998 (4 pages).

Spyglass web pages, Spyglass, Nov. 24, 1998 (58 pages).

Think Thin, PC Magazine, Dec. 1, 1998 (p. 9).

McDonald, Keith D., "Course 122—GPS Fundamentals & Applications", Navtech Seminars & GPS Supply, Inc., Catamaran Resort Hotel, San Diego, CA, Mar. 22-23, 1999 (336 sheets).

Kelley, Tom, "Traffic Control Traffic Data, Unplugged", ITS World, Jul./Aug. 2000 (pp. 28-30).

Bishop, Richard, "The Final Stop Remember IVHS?", ITS World Jul./Aug. 2000 (pp. 14-15).

Metricom in the News, web pages, Metricom, Inc., Nov. 24, 1998 (8 pages).

Demmler, "Another car navigation system," Automotive Engineering, Jun. 1996, pp. 87,89, 2 pages.

Jewett, "Toyota offers navigation system as U.S. option," Automotive News, Nov. 18, 1996, p. 16, 2 pages.

US 7,343,165 B2

Page 3

Yamaguchi, "Honda in-car navigation system for the U.S.," Automotive Engineering, Jun. 1996, pp. 82-84, 3 pages.

Heuchert, "Eyes Forward: An ergonomic solution to driver information overload," Automotive Engineering, Sep. 1996, pp. 27-31, 5 pages.

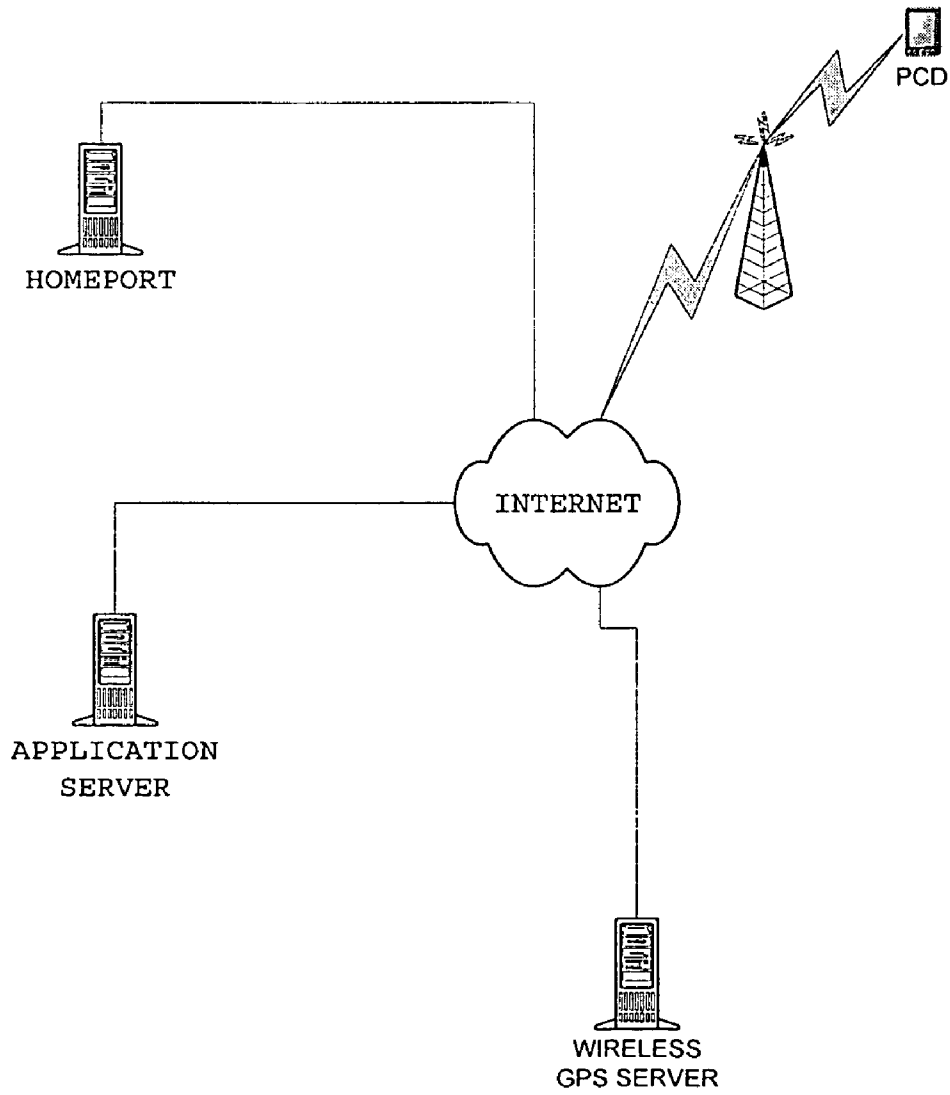
Noriyuki, "Just Think of It as a Big Eye in the Sky . . . Watching," Los Angeles Times Section E, pp. 1, 8, Apr. 27, 1997, 3 pages.

"Trimble Demonstrates Trimconnect," Flying, Jul. 1997, p. 51, 1 page.

Steve Dye with Dr. Frank Baylin, The GPS Manual Principles and Applications, "Land Navigation Markets—Overview", Feb. 1997, ISBN:0-917893-29-8, 23 pages.

* cited by examiner

FIG. 1



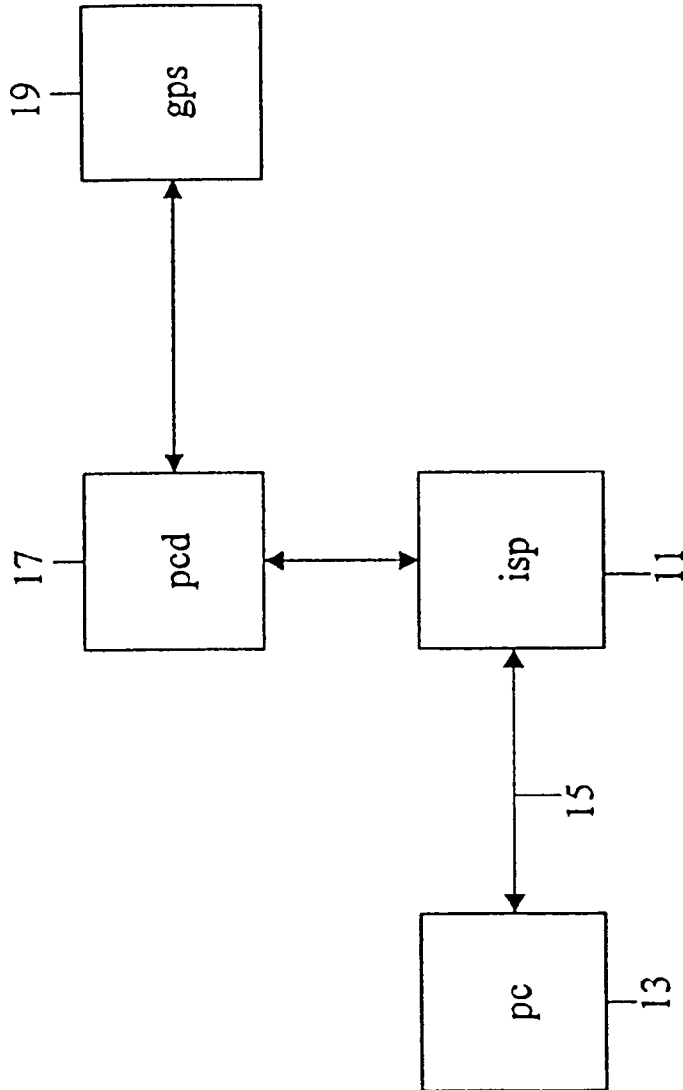
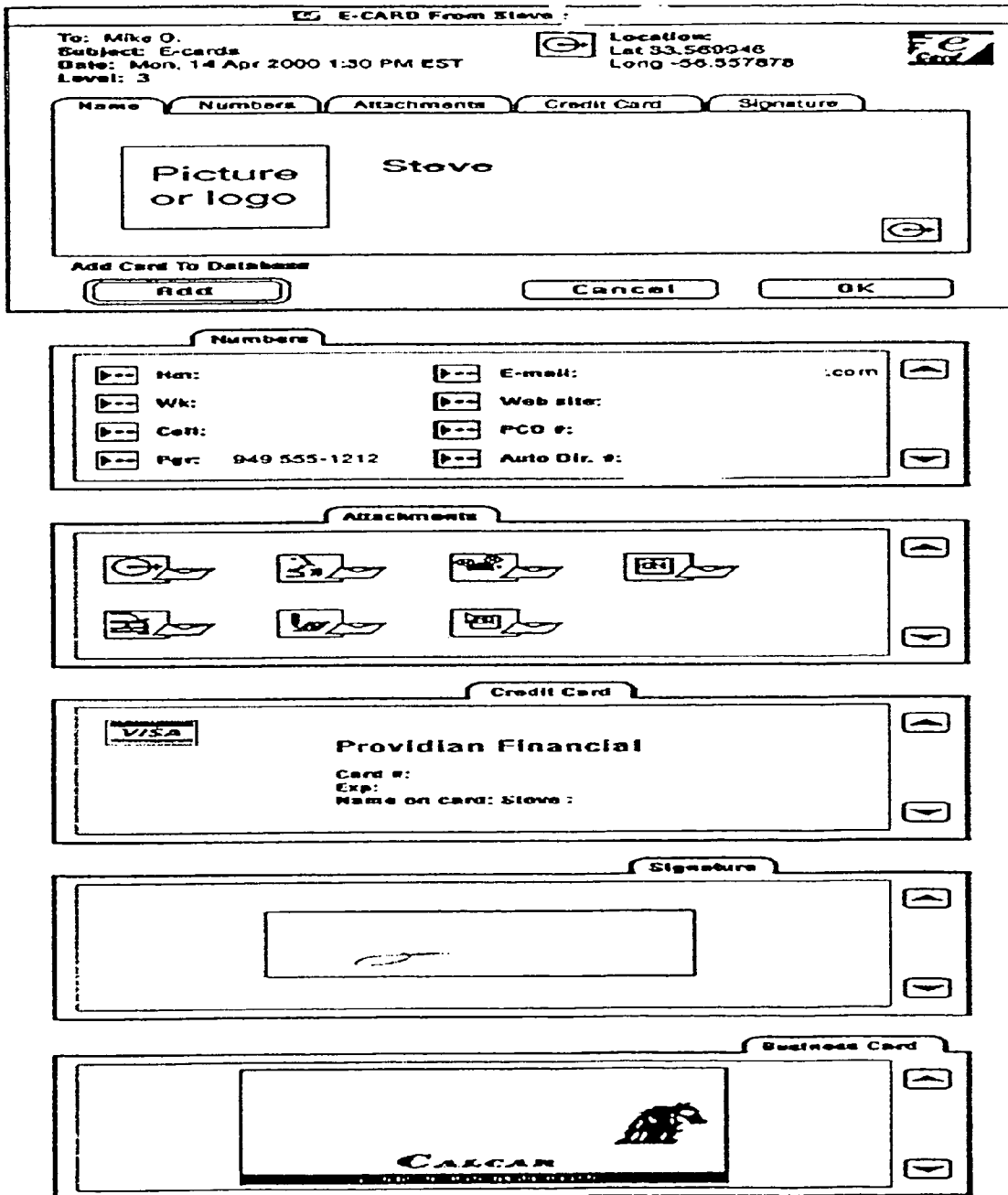


FIGURE 1 A

FIG. 2



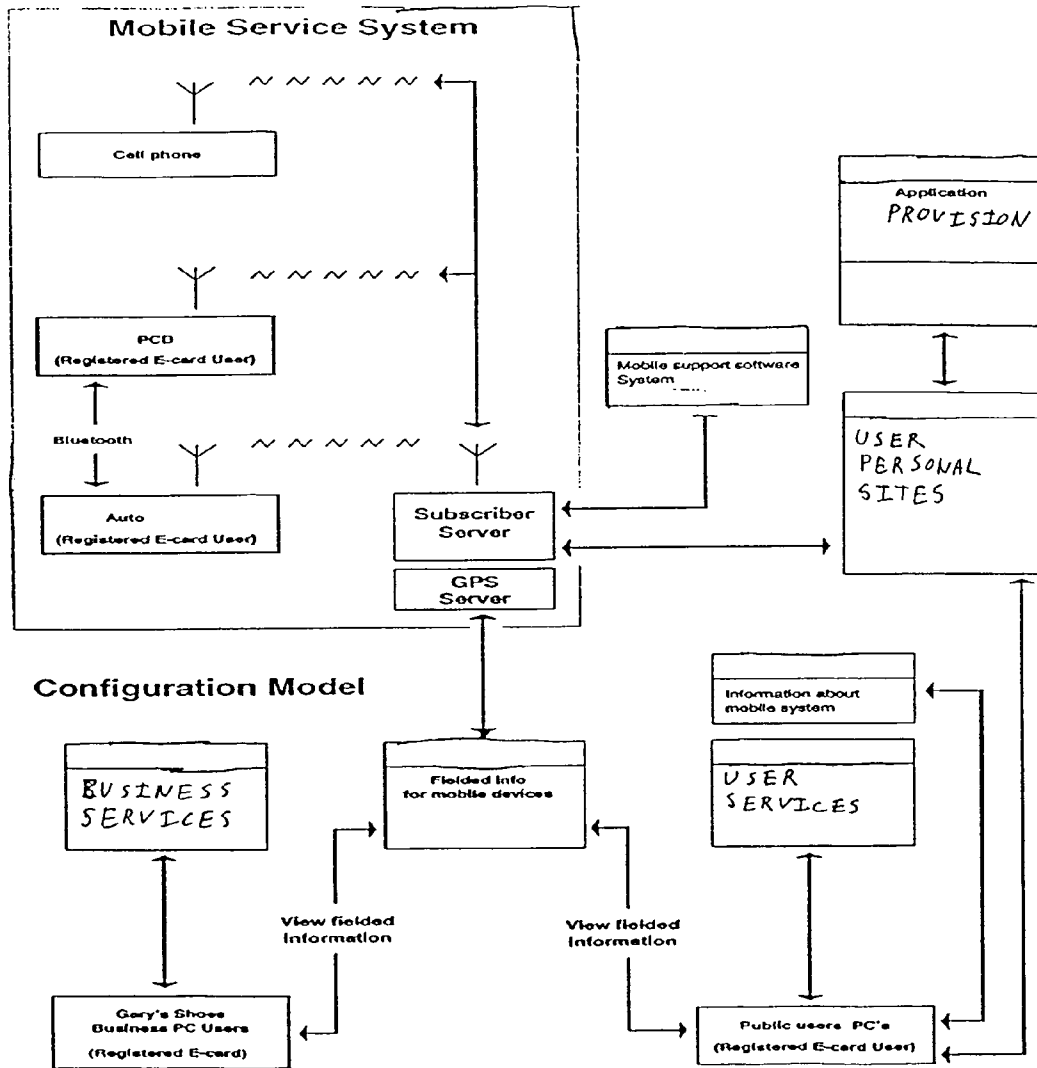


FIG 3

FIG 4

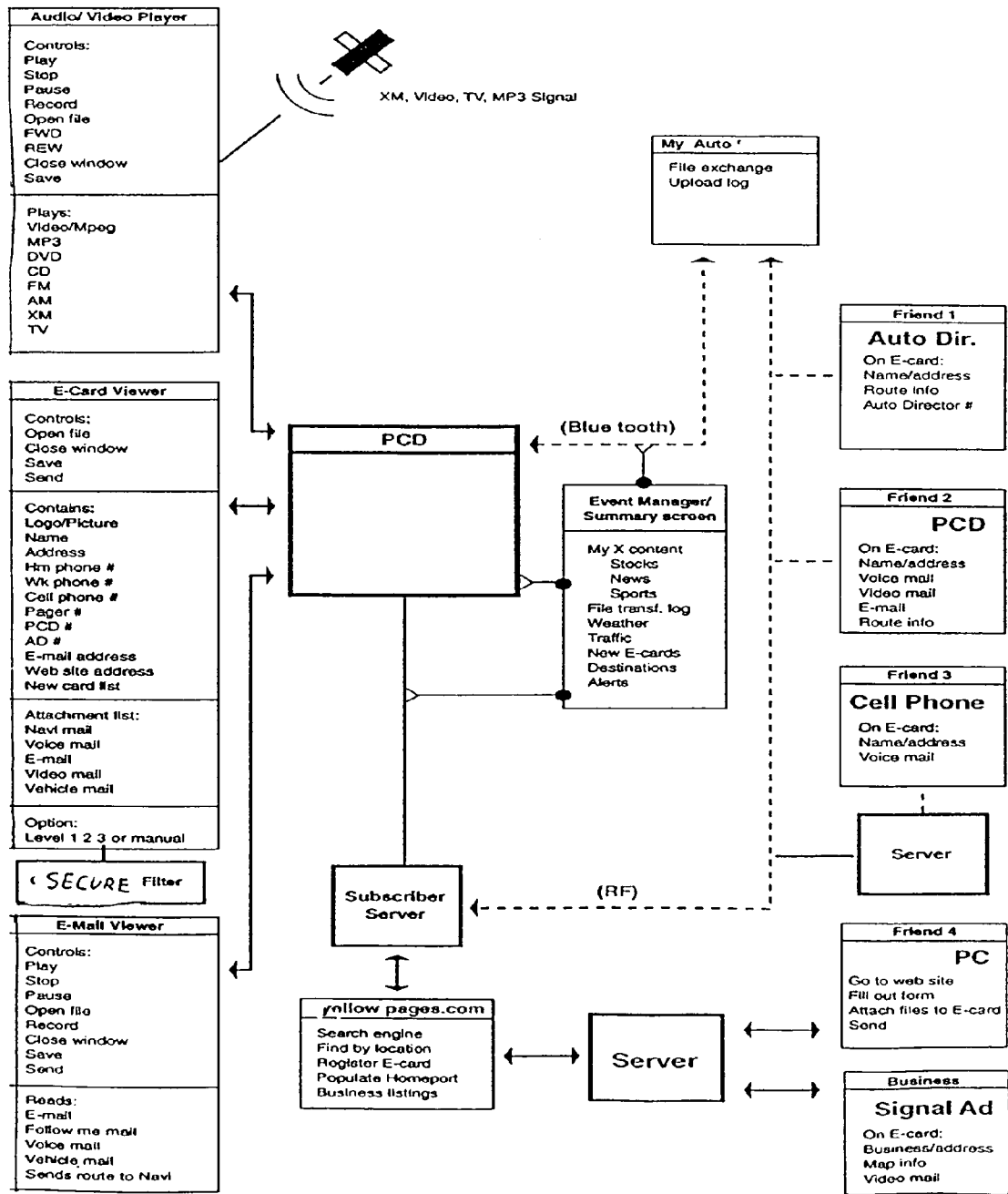
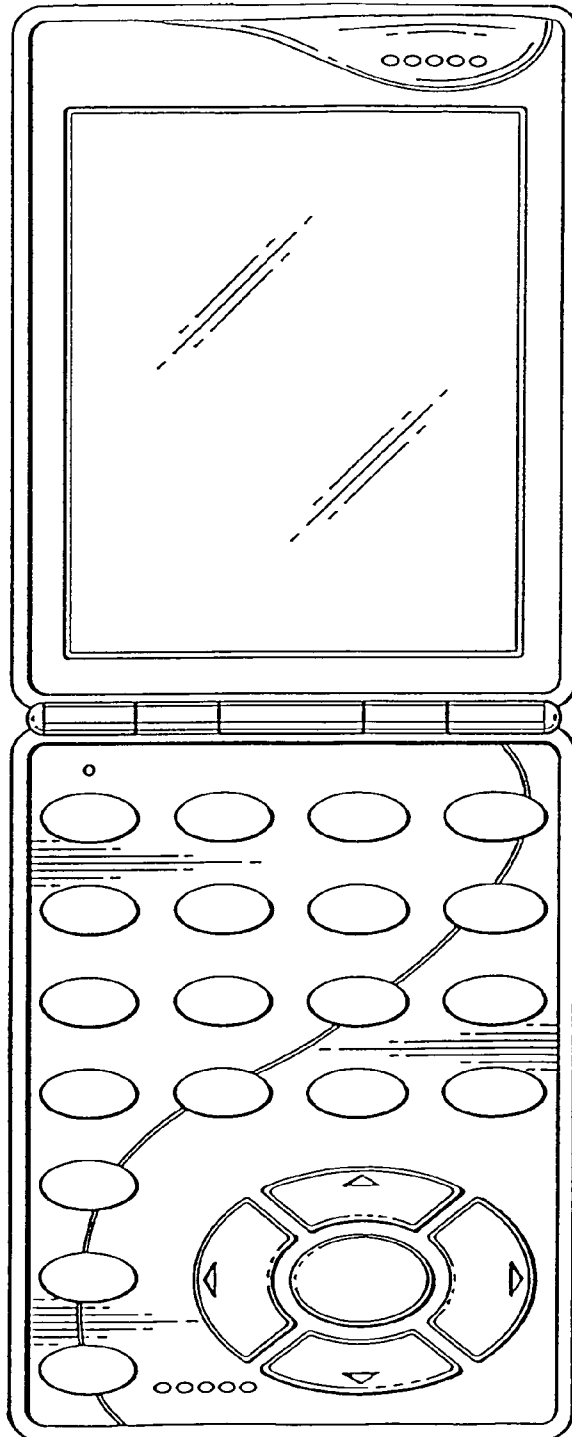


FIG. 5



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GPS PUBLICATION APPLICATION SERVERCROSS-REFERENCE TO RELATED
APPLICATIONS

The present application claims the benefit of the filing date of U.S. Provisional Patent Application No. 60/196,575, filed Apr. 11, 2000, the disclosure of which is incorporated by reference.

BACKGROUND

The present invention relates generally to user mobile information systems, and more specifically to location identifiable user mobile communication systems.

The use of mobile communication units, such as cellular telephones, is becoming increasingly common. Cellular telephones, for example, allow individuals to communicate with others when those individuals are away from a base of operations, on the go, or at locations having insufficient or inconvenient land telephone lines. In addition, communication systems such as cellular telephones provide a simple and easy way to communicate with individuals carrying cellular telephones no matter where they are, so long as one knows the appropriate telephone number.

At times, however, knowledge of the location of an individual is important. For example, some communication methods, such as facsimile, generally are not mobile in nature. For example, often to send a facsimile one needs to know the location and number of a fixed fax machine to which a fax may be sent. Similarly, it is often difficult to courier packages to a person whose location is not known.

However, in many instances it is not feasible to contact an individual, even one who has a cellular telephone, and ask the individual their location. The individual may not know their location or other particular details such as street address or facsimile number necessary to send the individual items. Moreover, some individuals may jealously guard the number of their cellular telephone, so that in many instances it is not possible to simply call a person on their cellular telephone to determine their location. Further, in some instances people are unable to answer their cellular telephone to provide their location information to those who know their telephone number.

Thus, the use of cellular telephones and generally mobile communication systems, provides for the increased transmission of information between individuals, particularly those on the move. However, the communication of information, particularly other than a voice information, is not fully utilized using such communication systems.

In addition, individuals on the move often have unique information requirements, particularly with respect to information concerning places near their location. Such needs are also not fully met by mobile communication systems, even though such information is generally available on communication networks. For example, server computers reachable through the internet are commonly provide nearly boundless information, with much of the information having geographical relevance. Such information is often largely unavailable to users of mobile communication systems, and moreover is not particularly adapted to suit the needs of users of mobile communication systems.

SUMMARY OF THE INVENTION

In one embodiment of the present invention a GPS server periodically requests information from a mobile device. The

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mobile device includes GPS receiver circuitry to receive GPS signals. The GPS receiver makes use of information provided by a GPS reference server and error correction processing performed by the GPS reference server to determine its location. Upon probing by the GPS server the mobile device provides the GPS server the present position of the mobile device, as well as additional information.

Techniques for communicating GPS related information to wireless devices, particularly information allowing a wireless communication device to quickly obtain its location are known. In the present invention, certain user preferences are communicated to Internet coupled computer devices.

In this new system and method certain preferences are sent from a wireless device to a GPS server and then forwarded on to a separate application server for storing in the users personal home page location, or user-specific storage space allows the user to populate their own database and communicate certain information from that database to other users that were enabled to receive the populated information.

Work groups, community groups and other would be a recipient of this populated database system, thereby allowing dynamic data exchange between preidentified parties. Moreover, different users may have different specific applications that take advantage of this population technique.

Examples include advertising information provided to a user's device once the user's travel pattern is established and personal preferences are considered. Call ID system could be updated and other users would be able to communicate with the user upon receipt of their requests. Using this system the user may simply send visited locations as determined by the GPS server to the users home page for storage and for populating a user's database. Acting on timely requests the GPS server modifies the user's preferences upon probing the user for the GPS data and contact information.

At any time the user could contact the home page for review of stored information and to modify the status of users who subscribe to the user's home page.

This new publishing and subscribing system puts increases storage and calculation tasks on an application server to sort out and serve up to the user upon a request. The PCD device uses less battery power and is not required to perform task beyond its normal operations and changing the user's preferences for the publishing system. The user may request a complete review of their dynamic data upon contacting their own home page. Caller ID systems thereafter route the request for contact to the user's home page and then be given choices for going forward. The user can deny any party access upon sending data along with the GPS probe made by the GPS server. This system does not require the user to make further contact when changing their preferences.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1A is a block diagram of a system in accordance with aspects of the present invention.

FIG. 1 is a further block diagram of a system in accordance with aspects of the present invention.

FIG. 2 illustrates an e-card in accordance with aspects of the present invention.

FIG. 3 illustrates a block diagram of interconnections in accordance with the present invention.

FIG. 4 is a further block diagram of interconnections in accordance with aspects of the present invention.

FIG. 5 illustrates a PCD.

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DETAILED DESCRIPTION

FIG. 1A illustrates a block diagram of a system in accordance with aspects of the present invention. An Internet service provider (ISP) 11 is linked to a user personal computer 13 via telephone lines 15. In actuality, one or more computer units may be interdispersed between the PC and the server, with the server being a node on the Internet. The server is also connected via communication link to a personal computer device 17. One embodiment of the personal computer device is illustrated in FIG. 5 The personal computer device may be a PCD of the type disclosed in U.S. patent application Ser. No. 08/879,955, now U.S. Pat. No. 6,148,261, the disclosure of which is incorporated herein in its entirety by reference.

The PCD includes a global positioning system (GPS) receiver. Accordingly, the PCD receives signals from GPS satellites 19. The received signals allow the PCD to determine its latitude and longitude.

The PC, in one embodiment serves as a server. The server includes a database. The database includes information pertaining to a variety of topics. More specifically, in one embodiment the database includes information relating to locations. That is, the database includes information regarding specific locations, as well as information pertaining to transportation to and from these locations.

The information in the database is provided by businesses, individuals, and users of PCDs. Thus, the database contains general information provided by businesses, stores, and other commercial entities who wish to make information concerning their business available to others. The database also contains personalized information regarding points of interest and other matters provided by users of PCDs. The database therefore provides a source of information to the users of PCDs, particularly information regarding geographic locations.

FIG. 1 illustrates a further system of the present invention. A personal communication device (PCD) 11 provides GPS receiver and wireless communication capability, particularly cellular telephone communication capability. The PCD may, in one embodiment, be such as disclosed in the aforementioned U.S. patent application Ser. No. 08/879,955, now U.S. Pat. No. 6,148,261. The PCD receives information from a wireless GPS server 13 via cellular telephone communication link. The PCD also provides the wireless GPS server information over the communication link, including information relating to the location of the PCD. In one embodiment the PCD determines its location using, for example, its GPS capability. In another embodiment the PCD contains only a limited amount of GPS receiver processing circuitry. Instead, some of the GPS processing occurs at a wireless GPS server. The wireless GPS server performs, for example, functions such as determining satellites in view of the PCD and the relative Doppler offsets of the satellites. This may be accomplished, for example, using apparatus and methods discussed in U.S. Pat. No. 5,663,734 entitled "GPS Receiver and Method for Processing GPS Signals," the disclosure of which is incorporated by reference. In one embodiment, error correction processing is also performed by the wireless GPS server, thereby further allowing reduced single processing on the part of the PCD.

Accordingly, in one embodiment the PCD provides a wireless GPS server with the present location and an identifying tag indicating the identity of the PCD. The GPS server provides the PCD location and identifier to an application server 15. The application server is provided the information from the GPS server via the Internet, or in some

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cases an intranet. The application server upon receipt of the PCD location and identifying tag executes a program which updates a user-specific data space 17. In one embodiment, the user-specific space is located on the same computer unit as the application server. In other embodiments, the user-specific data space is stored in a separate computer system.

In one application the application server and the wireless GPS server communicate using a hypertext transfer protocol (HTTP) and the wireless GPS server requests that application server execute a CGI script or program making use of the PCD identifier and the PCD location data.

Thereafter the user contacts the application server to obtain information stored in the user-specific storage area. In addition, other individuals may also contact the application server request of the location of the PCD device. This may be accomplished for example, in order to determine how to contact the individual using the PCD.

In one embodiment the user-specific storage space includes information found on an electronic card (e-card). An example of information stored in the e-card is illustrated in FIG. 2. As illustrated in FIG. 2, the e-card includes a name, an address such as may be found on physical business cards. The e-card also includes communication information, such as phone numbers for home, work, cell, pager, and PCD, and automobile. Further, the numbers include a web site location and an e-mail address. The card may also include attachments, which is particularly useful when a user is transmitting e-cards to another person. The e-card additionally contains credit card information. The credit card information, along with a signature also available on the e-card, allows the e-card to be used as a payment transfer mechanism. Further, the e-card includes the current location of the individual associated with the e-card.

In addition, the user-specific space is populated with information useful to the particular user. This may be done in the manner described in U.S. patent application Ser. No. 09/126,936 the disclosure of which is incorporated by reference.

In operation, in one embodiment the GPS server periodically transmits a request for, or probes, the location of a PCD. The PCD responds to the probe by providing position information to the GPS server. The GPS server provides the application server an indication of the PCD and an indication of the location of the PCD. The application server updates the user-specific space with the location of the PCD, or provides the location information to another computer system which performs the update.

The user of the PCD may also contact the application server, or other computer maintaining the PCD user-specific space, to review and modify data in the user-specific space. The user may also provide varying levels of access to data in the user-specific space, or the e-card, to both persons known and unknown to the user.

In one embodiment the GPS Server performs many of the functions of the system. Thus, in one embodiment the GPS Server performs probes of PCDs and receives preference updates from users, including contact phone numbers for the user. The GPS server sends updated user information to the application server which stores the information in the user-specific space, which in one embodiment is similar to an individual home page, which may be commonly found on the internet. The user calls a number associated with the GPS server to modify or review status or make additional requests and changes with respect to the user-specific space, and subscribers and parties requesting location and contact information on user are given information, which may vary

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by the requester. The user makes the determination as to the access privileges provided requester, generally prior to their request.

The user of the user-specific space provides many benefits, including by providing a location for information concerning the individual. For example, in some embodiments the user-specific space includes tagged movie files, medical files, credit information attached to the contact card. In further embodiments the information may include smart caller ID, phone number calling ID, call forwarding techniques, Navigation information, navigation address books, navigation bookmarks, personal address books, contact manager software, schedule directors, e-mail, fax documents, voice mail are combined on the user's home page for easy access by the user/publisher. The user can arrange specific techniques for contacting him or his dynamic data from specific authorized subscribers.

The user-specific storage space therefore provides for storage and retrieval of e-cards. In addition, the space stores complete navigation information, maps, address books, persona files, navigation bookmarks, advertising bookmarks, smart contact bookmarks all GPS tagged, as well as providing Smart Contact manager, caller ID, Phone ID, call forwarding, call screening, e-mail system, Mail, Voice mail, dynamic data collection system from GPS server, advertising searching and smart bookmarking, and user schedule manager functions.

E-cards provide electronic card file of the user's personal information and attached movie files, complete attachment system from voice, data, fax e-911 medical, personal, and vehicle data system establishes contact and screening system for subscribers. A user updates the e_card, as well as other information on the space on occasion when contacted by GPS server.

FIG. 3 illustrates a communication flow block diagram between various components of systems in accordance with the present invention. The embodiment in FIG. 3 includes a subscriber server and a GPS server. The subscriber server and GPS server are in communication with various web servers over the Internet, as well as with mobile devices. As illustrated, the mobile devices include a cell phone, a PCD, and an automobile phone. Together, the subscriber server, GPS server, and the mobile devices comprise a mobile service system. The PCD and the automobile telephone system are both coupled to user-specific storage areas which provide additional information.

The GPS server and subscriber server are also coupled to numerous web servers over the Internet. For example, the subscriber server is coupled to a mobile support software system. The mobile support software system provides application information and programs to the mobile devices by way of the subscriber server as necessary.

The subscriber server is also coupled to a web server containing numerous user-specific storage spaces. The web server is also coupled to an additional application server containing numerous applications for use in configuring user information. The web server, and the user-specific storage space is also coupled to public users over the Internet. Public users may, for example, interrogate the user-specific space to determine the user's location or other information regarding the user. As discussed in U.S. patent application Ser. No. 09/126,936, the disclosure of which is incorporated by reference, security levels may be implemented so as to restrict the number of people who can access various information about the individual. The general public, and specifically business PC users, may also desire to provide information to the users of for example, PCDs or others

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moving in location. Accordingly, the general public may provide information to a fielded information web server. The fielded information web server makes location-specific information available to the GPS server, and thus the mobile users. This allows the mobile users for example, to interrogate the fielded information web server to determine the location of nearby places of business in which they may have an interest. This interest may be because they intended to visit the business, are due to a sudden change in circumstance which makes the mobile user desirous of visiting the business.

FIG. 4 further illustrates communication and function flow for a PCD. As illustrated, the PCD is in communication with an automobile user and the PCD is also in communication with the subscriber server. Communication with the subscriber server allows the PCD to obtain information regarding businesses, for example.

In accordance with aspects the present invention, the central computer system also maintains information in a database allowing individual users to be easily located both physically and in terms of their electronic communication locations. The central computer system maintains a database of individuals and an Internet address linked to each individual. The Internet address linked to each individual need not be a unique address, but instead many individuals may make use of a single computer indicated by the Internet address in the Internet address field. For example, for many cases the central computer system may be the computer system identified by the Internet address.

The system also contains a large number of computer systems linked by the Internet, and which are the computer systems pointed to by the address field for the individuals in the Internet address field. Each of these computers form a home site computer system. The responsibility of maintaining the home site computer systems are the responsibility of the individuals.

The home site computer system maintains electronic contact information and geographic location of the individual. The electronic contact information includes home telephone numbers, office telephone numbers, cellular telephone numbers, fax numbers, and e-mail addresses. The geographic location is provided in terms of latitude and longitude, although street addresses or site names can also be provided with the latitude and longitude.

Also linked to each electronic communication identifier in geographic location information is a security level index. In one embodiment, the security level index is a number between one and ten. The individual assigns security level indexes for each item of information. The user also identifies other individuals who may wish to contact the user, and indicates which security index level each such other individual should be provided. Other individuals who are not identified by the user are provided a default security level index. When the home site is contacted by another individual, the other individual provides an identifier, such as the individual's name to the home site. In one embodiment the other individual also provides a password to the home site so that the home site may authenticate the identity of the individual. Based on the identity of the individual, preferably authenticated, the home site determines the other individual's security level index.

The other individual is thereafter only able to obtain information for the other individual's security level index value and those values below the other individual's security level index. For example, a user's general office work number may be assigned a security level index of ten, with the user's direct line phone number provided a security level

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index of six. A first other individual with a security index level of seven can only obtain the user's general office number while a second other individual with a security index level of six can also obtain the user's direct line phone number.

The user's geographic location is updated through the PCD. As previously discussed, the PCD can be used to provide e-mails indicative of the user's location in varying manners. When the user's home site computer system is identified as an e-mail address for such updates, the user's home site computer system may track the user over time. In one embodiment of the invention, the user's home site computer system is always provided a copy of any e-mail position updates provided by the PCD.

The present invention therefore provides a location-centric information system. Although the invention has been described with respect to certain specific embodiments, it should be appreciated that the invention may be practiced other than as specifically described.

What is claimed is:

1. A method of providing contact information regarding a user, the method comprising:

allocating a user-specific space in memory accessible over a computer network to a specific user;

associating a mobile communication device with the user; determining a geographic location of the user by receiving location information provided by a mobile communication device;

storing data indicative of the location of the user in the user-specific space;

receiving, from the user, additional data regarding the user, the additional data being related to the geographic location of the user;

storing the additional data regarding the user in the user-specific space;

receiving from the user an access list of possible requesters of the data and the additional data;

storing the access list of possible requesters of the data and the additional data in the user-specific space; and providing the data indicative of the location of the user and the additional data regarding the user to possible requesters on the access list.

2. A location relevant server system comprising:

a personal communication device (PCD) comprising a GPS receiver and wireless communication capability;

a GPS server receiving information indicating a geographic location and a unique identifier associated with the PCD, the GPS server providing the PCD location and the unique identifier associated with the PCD to an application server;

the application server configured to execute a program upon receiving the geographic location and the unique identifier information associated with the PCD to update a user specific data space with a current geographic location and the unique identifier associated with the PCD, the application server further configured to allow different users different access to the application sever based on the identity of a user;

wherein the application server is further configured to store information received from and concerning an individual associated with the PCD in the user specific data space, the stored information in the user specific data space including an access list of possible request-

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ers of information concerning the individual associated with the PCD, the access list being received from the individual associated with the PCD; and

wherein the information stored in the user specific data space includes additional information related to the geographic location of the individual associated with the PCD.

3. The system according to claim 2 wherein the application server is further configured to provide the information concerning the individual to a requester.

4. The system according to claim 3 wherein the application server is further configured to modify data in the user specific data space.

5. The system according to claim 4 wherein the data in the user specific data space includes contact information regarding the individual.

6. The system according to claim 5 wherein the contact information regarding the individual includes, phone, fax, and e-mail information.

7. The system according to claim 4 wherein the application server is configured to provide different information concerning the individual to different requesters.

8. The system according to claim 2 wherein the GPS server is further configured to send PCD locations and identifiers to the application server.

9. The system according to claim 8 wherein the user specific data space stores contact information regarding a user associated with the PCD.

10. The system according to claim 9 wherein the contact information regarding the individual includes, phone, fax, and e-mail information.

11. A method of providing contact information regarding a user, the method comprising:

allocating a user-specific space in memory accessible over a computer network to a user;

associating a mobile communication device with the user; receiving a plurality of user contact information from the user, each user contact information associated with a location of the user;

storing the plurality of user contact information in the user-specific space;

receiving a request from a requestor of information for user contact information;

determining a current location of the user by receiving current location information provided by a mobile communication device;

determining the user contact information associated with the current location of the user; and

providing the user contact information associated with the current location of the user to the requestor of information.

12. The method according to claim 11 further comprising: receiving from the user an access list of possible requesters of information;

storing the access list in the user-specific space;

determining whether a requestor of information is on the access list upon receiving a request from the requestor of information for user contact information; and

providing the user contact information associated with the current location of the user if the requestor of information is on the access list.

* * * * *

Exhibit B

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Exhibit C

foursquare I'm looking for... San Diego, CA  [LOG IN](#) [SIGN UP](#)

About Foursquare

What is Foursquare?

Foursquare is a free app that helps you and your friends make the most of where you are. When you're out and about, use Foursquare to share and save the places you visit. And, when you're looking for inspiration for what to do next, we'll give you personalized recommendations and deals based on where you, your friends, and people with your tastes have been.

Whether you're setting off on a trip around the world, coordinating a night out with friends, or trying to pick out the best dish at your local restaurant, Foursquare is the perfect companion.

Foursquare by the numbers (last updated September, 2013)

- Community: Over 40 million people worldwide
- Over 4.5 billion check-ins, with millions more every day
- Businesses: Over 1.5 million using the Merchant Platform (more information at foursquare.com/business)
- Employees: Over 160 between headquarters in New York, an office in San Francisco, and a lovely outpost in London.

When was Foursquare founded?

Foursquare co-founders Dennis Crowley and Naveen Selvadurai met in 2007 while working in the same office space (at different companies) in New York City. Working from Dennis' kitchen table in New York's East Village, they began building the first version of Foursquare in fall 2008, and launched it at South by Southwest Interactive in Austin, Texas in March 2009.

Learn more by following Dennis' [A brief history of Foursquare](#) list!

Who are Foursquare's investors?

We're funded by Union Square Ventures, O'Reilly AlphaTech Ventures, Andreessen Horowitz, Spark Capital and a handful of angel investors.

How can my business, brand or agency work with Foursquare?

Whether you're a mom-and-pop shop, a national chain, or a brand, Foursquare can provide you with tools to engage with your customers and fans. Please visit foursquare.com/business for information on how you can start working with Foursquare.

I have a cool idea for a social service. Is there a way to build this onto Foursquare?

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Exhibit D

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Our top picks for San Diego:

San Diego's Best Great Outdoors - 2012
Balboa Park, Torrey Pines State Beach, Sunset Cliffs Natural Park, and 7 others

San Diego's Best Beer - 2012
Home Brew Mart / Ballast Point Brewery, San Diego Brewing Company, and 8 others

San Diego's Best Pizza - 2012
Regents Pizzeria, Pizzeria Luigi, Oggi's Pizza & Brewing Company, and 7 others

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More Great Places in San Diego: 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 #

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Exhibit E

Can I get a window cling? x

support.foursquare.com/entries/21754438-Can-I-get-a-window-cling-

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Foursquare Support / Foursquare for Business / Manage Your Dashboard And Settings

Can I get a window cling?

Of course!

If you haven't claimed your listing(s) yet, head to [Foursquare for Business](#) to get started. You'll need to make sure your listing(s) are claimed before you can receive clings.

For listing managers:

To sign up to get yours, just fill out [this form](#).

If you would like more than one cling, please open a support ticket [here](#). In this ticket, please provide us with your mailing address (just one!) and how many clings you need.

What's a cling anyway?

A window cling is like a sticker, but better! It's reusable, removable, and able to be repositioned anywhere you like! So don't be scared, get clinging today!

This is what your fancy new cling will look like, (it's approximately 4 inches by 4 inches).

foursquare
CHECK IN
HERE
Check in to unlock specials, meet up with friends and explore what's nearby.
foursquare.com
@foursquare

Help Center

Status blog update

[Feb 25th, 2013] We're down - FIXED
10:50am EST/3:50pm GMT: Everything is back up and working normally. So sorry for the inconvenience!
10:13am EST/3:13pm GMT: The site and apps are intermittently down and we're investigating. We will update as soon as we have more information. Thanks for your patience!

No luck finding your answer?

Try tweeting us at [@4sqSupport](#)

Exhibit F

Foursquare Blog | Foursqu x

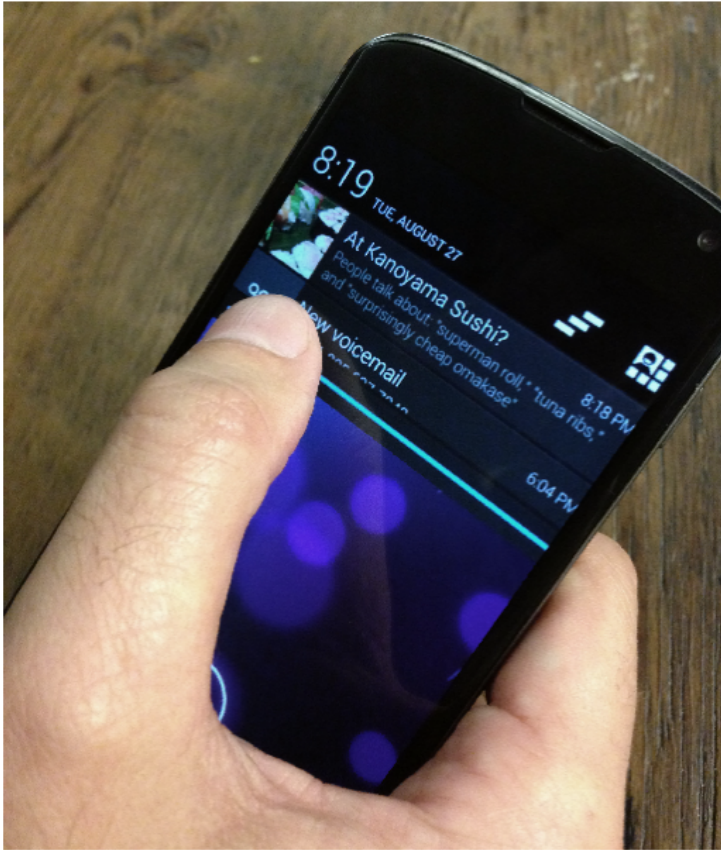
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Aug 29th

A smarter Foursquare, so you don't miss a thing.

The idea behind Foursquare has always been that, someday, hundreds of millions of people will carry software in their pocket that lets them know when friends are nearby, when places they'll love are around the corner, and whether nearby merchants can help them save money. This is the future we're spending our days building.



When we look at how to build this, we break it down into two main interactions: one between you and your friends, and another between Foursquare and you. For you and your friends, it's about keeping up and meeting up. And between you and Foursquare, it's about what's great nearby.

Part of that Foursquare interaction is straightforward: when you're looking for



Part of that Foursquare interaction is straightforward – when you’re looking for something like ‘gluten-free dinner,’ search for it and we’ll show you the best places nearby. The other part is more serendipitous – the times when Foursquare surprises you with interesting insights, like the best dish to order when you sit down for dinner, or the three must-see places to go when you arrive in a new part of town. These aren’t ‘search’ moments, but they’re a big part of what makes Foursquare special.

For the last few years, we’ve been working on this ‘special’ part, which we’re launching today to a few thousand people who use Foursquare on their Android phones. The idea is simple – use your phone’s location to give you nearby recommendations. We think of this feature like a sixth sense; proactive recommendations of things you didn’t even know you were looking for. In the past, it’s been a challenge, mostly because of issues with battery drain and location accuracy.

With our launch today, we’ve moved past those challenges. With over 4 billion check-ins, our location accuracy has hugely improved. With more than 32 million tips, you’ve told us about great things worth discovering all around the world. When we tried this two years ago (remember, [Radar?](#)) it was about reminding you to check in and letting you know when you were close to places you saved to lists. Today, with everything that Foursquare has learned about the world, it can be proactive recommendations – helping you discover the greatest things nearby without even having to open the app. You still check in when you want to share with friends, and now we may give you great recommendations even if you don’t. And while using background location in the past was a battery drain, we’ve done a ton of tinkering there. Now, you’ll barely notice the impact. From our internal tests on a bunch of phones, it only increases drain about 0.7% per hour, or, over the course of a day, the equivalent of about a 20-minute game of Angry Birds.

Today we’re excited to start rolling out this smarter Foursquare. Here’s how it will work: when you sit down to dinner, we might ping you with the can’t-miss dish on the menu (like the screenshot from a sushi bar below). Or when you arrive in a new neighborhood or city, we’ll suggest a few places that your friends love (like below, after you’ve wandered into a new neighborhood). It’s like having a ton of local friends stuffed in your pocket wherever you go.



