



US007450003B2

(12) **United States Patent**  
**Weber et al.**

(10) **Patent No.:** **US 7,450,003 B2**  
(45) **Date of Patent:** **Nov. 11, 2008**

(54) **USER-DEFINED PRIVATE MAPS**

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 271 days.

(21) Appl. No.: **11/361,236**

(22) Filed: **Feb. 24, 2006**

(65) **Prior Publication Data**

US 2007/0204218 A1 Aug. 30, 2007

(51) **Int. Cl.**

**G08B 1/00** (2006.01)

**H04M 3/42** (2006.01)

(52) **U.S. Cl.** ..... **340/539.2; 455/414.1**

(58) **Field of Classification Search** ..... **340/539.2, 340/539.23, 539.13, 995.1, 539.21, 539.15; 715/733; 701/208, 207; 455/404.2, 414.1, 455/456.4, 435.1; 709/205**

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,857,016	B1	2/2005	Motoyama et al.
6,871,139	B2	3/2005	Liu et al.
6,879,838	B2	4/2005	Rankin et al.
6,968,179	B1 *	11/2005	De Vries ..... 455/414.1
7,088,266	B2 *	8/2006	Watanabe et al. .... 340/995.1

7,096,233	B2	8/2006	Mori et al.
7,330,112	B1 *	2/2008	Emigh et al. .... 340/539.13
2004/0049345	A1	3/2004	McDonough et al.
2005/0172001	A1 *	8/2005	Zaner et al. .... 709/205
2006/0058953	A1 *	3/2006	Cooper et al. .... 701/208
2007/0032945	A1 *	2/2007	Kaufman ..... 701/208

**FOREIGN PATENT DOCUMENTS**

WO WO-02/097616 A1 12/2002

**OTHER PUBLICATIONS**

International Search Report and Written Opinion mailed Aug. 24, 2007, for PCT Application No. PCT/US2007/004860 filed Feb. 22, 2007, 13 pages.

International Search Report and Written Opinion mailed Aug. 24, 2007, for PCT Application No. PCT/US2007/004670 filed Feb. 22, 2007, 11 pages.

(Continued)

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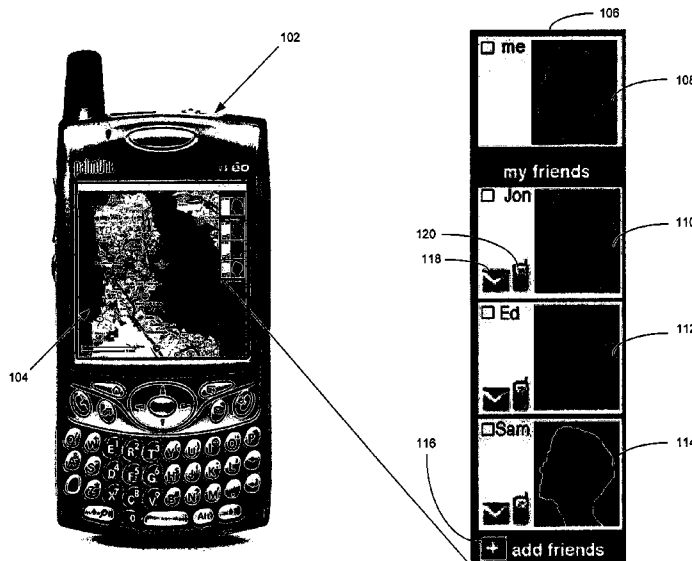
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(57)

**ABSTRACT**

A method, device, and system for presenting one or more user-defined private maps with a public map for sharing among a group of users are disclosed. The device includes a processor for executing computer programs, a memory for storing data, an input module for entering user commands, a communication module for transmitting and receiving data, and a display for showing information on a screen. The device further includes logic for importing a public map representing a publicly available mapping of an area or a location, logic for creating one or more user-defined private maps, logic for linking the one or more user-defined private maps to the public map through a set of corresponding map icons, and logic for displaying the public map and the one or more user-defined private maps.

**30 Claims, 11 Drawing Sheets**



## OTHER PUBLICATIONS

Paffendorf, J. (Jun. 9, 2005). "Google's 3D San Francisco (Walk Your Google Avatar Past Linden Lab?:: gmaptrack's Early GeoBlogging for Google Maps :: Second Life Mapping Check-Up," Second Life Future Salon: Jun. 2005, located at <[http://slfuturesalon.blogspot.com/second\\_life\\_future\\_salon/2005/06/index.html](http://slfuturesalon.blogspot.com/second_life_future_salon/2005/06/index.html)> visited on Sep. 19, 2007, pp. 17-18.

Cederoth, R.A. et al. (Aug. 19, 2004). "Expedia, Inc's Third Supplemental Objections and Responses to Civix's First Set of Interrogatories," *Civix-DDI, LLC v. Cellco Partnership d/b/a Verizon Wireless, Expedia, Inc., Travelscape, Inc. and Verizon Information Services, Inc.*, United States District Court for the Northern District of Illinois, Eastern Division, Case No. 03-C-3972, 12 pages.

Cederoth, R.A. et al (Feb. 28, 2005) "Travelscape, Inc's Sixth Supplemental Objections and Responses to Civix's First Set of Inter-

rogatories," *Civix-DDI, LLC v. Expedia, Inc., Travelscape, Inc. and Verizon Information Services, Inc.*, United States District Court for the Northern District of Illinois, Eastern Division, Case No. 03-C-3972, 28 pages.

Chefitz, J. et al. (May 4, 2005). "Verizon Information Services's Second Supplemental Objections and Response to Civix's Interrogatory No. 3," *Civix-DDI, LLC v. Expedia, Inc.; Travelscape, Inc.; and Verizon Information Services, Inc.*, United States District Court for the Northern District of Illinois, Eastern Division, Case No. 03-C-3972, 7 pages.

Hrut, C.B. (Sep. 1993). "Navigation Technologies: Executive Summary," *Mobile World Conference Proceedings*, 22 pages.

Out-Law News. (Feb. 2, 2006). "Mobile Phone Tracking, Girlfriend Stalking and the Law," located at <<http://www.out-law.com/page-6601>>, last visited on Feb. 24, 2006, four pages.

\* cited by examiner

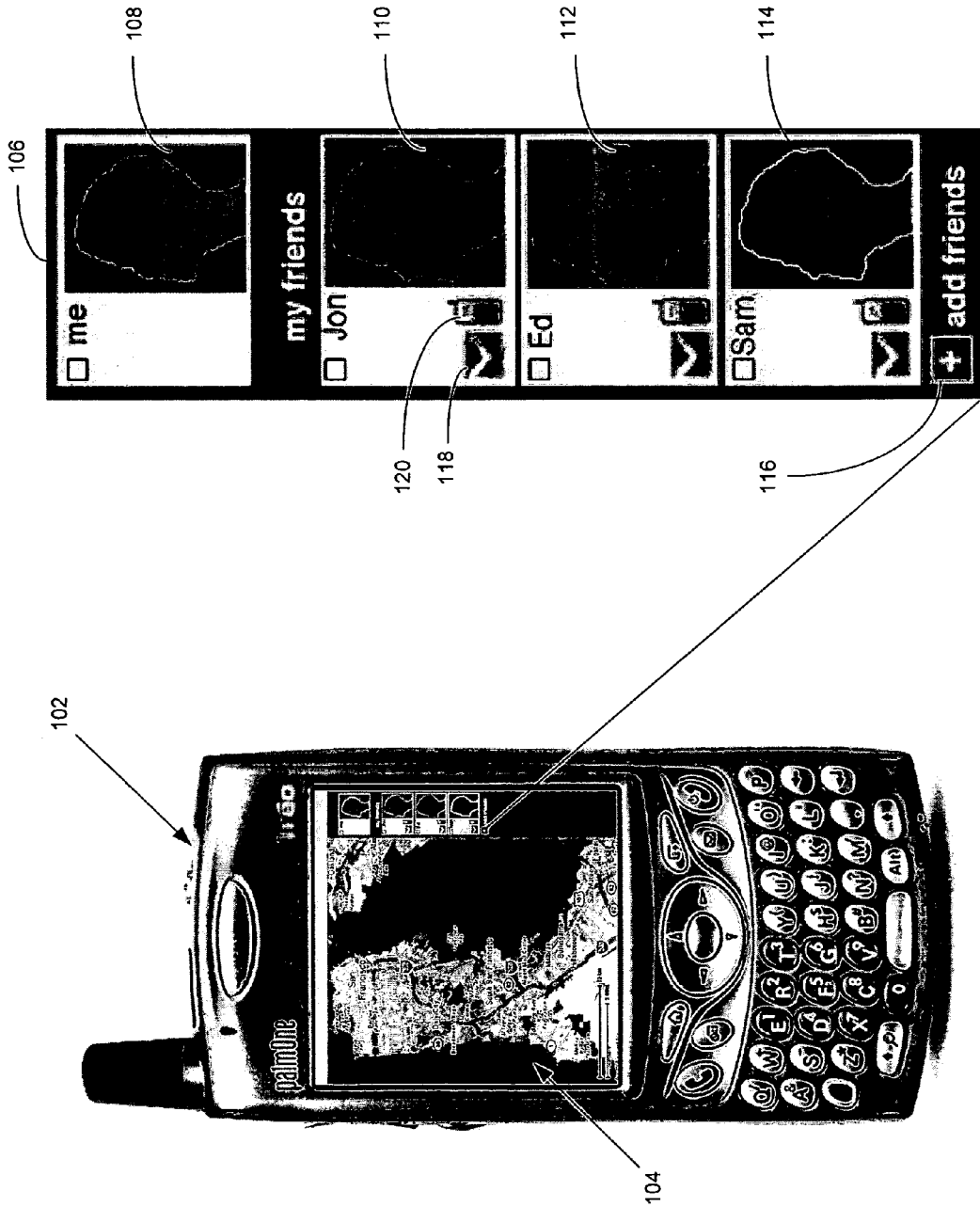


Figure 1

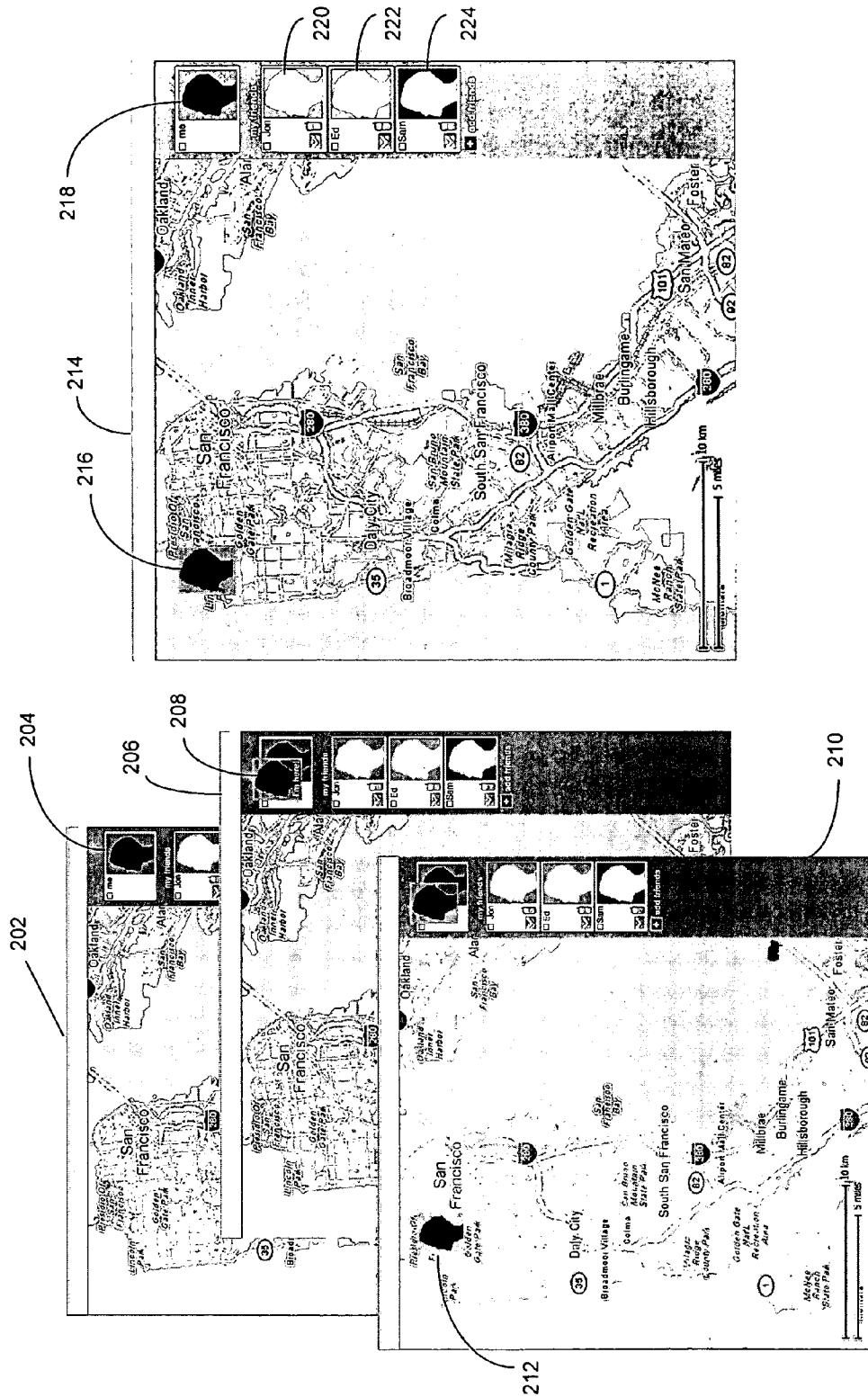


Figure 2

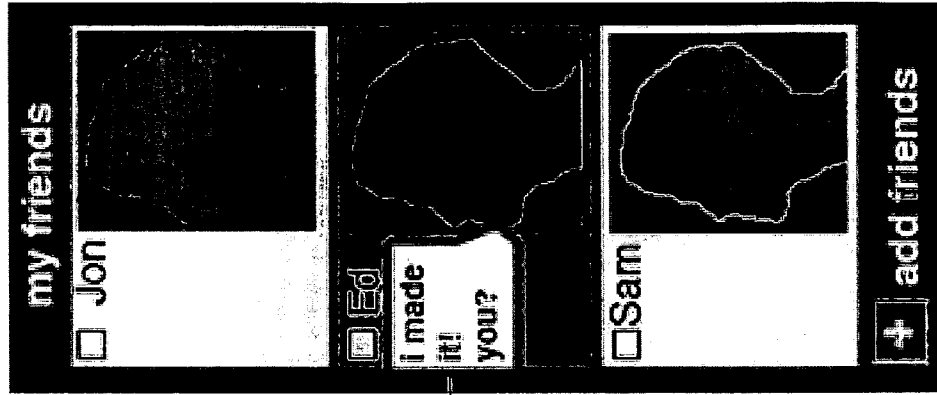
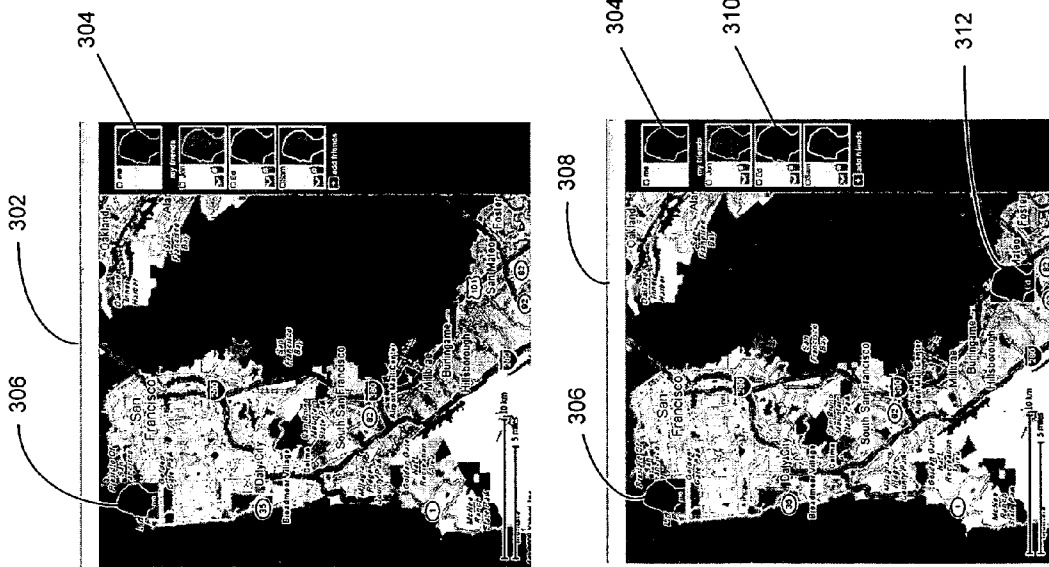


Figure 3

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