

US006993572B2

US 6,993,572 B2

*Jan. 31, 2006

(12) United States Patent

Ross, Jr. et al.

(10) Patent No.:

(45) Date of Patent:

(54) SYSTEM AND METHOD FOR FACILITATING INTERNET COMMERCE WITH OUTSOURCED WEBSITES

(75) Inventors: **D. Delano Ross, Jr.**, Alpharetta, GA (US); **Daniel D. Ross**, Dunwoody, GA (US); **Joseph R. Michaels**, Marietta, GA (US); **William R. May**, Atlanta, GA (US); **Richard A. Anderson**, Powder Springs, GA (US)

(73) Assignee: **DDR Holdings, LLC**, Dunwoody, GA

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 104 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: 10/461,997

(22) Filed: Jun. 11, 2003

(65) **Prior Publication Data**

US 2004/0148366 A1 Jul. 29, 2004

Related U.S. Application Data

- (63) Continuation of application No. 09/398,268, filed on Sep. 17, 1999, now Pat. No. 6,629,135.
- (60) Provisional application No. 60/100,697, filed on Sep. 17, 1998.
- (51) Int. Cl. *G06F 15/16* (2006.01) *G06F 17/21* (2006.01)
- (52) U.S. Cl. 709/218; 715/501.1

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

5,319,542 A	6/1994	King, Jr. et al.
5,515,270 A	5/1996	Weinblatt
5,537,314 A	7/1996	Kanter
5,590,197 A	12/1996	Chen et al.
5,596,702 A	1/1997	Stucka et al.
5,630,125 A	5/1997	Zellweger
5,699,528 A	12/1997	Hogan
5,710,887 A	1/1998	Chelliah et al.
5,712,979 A	1/1998	Graber et al.
5,715,314 A	2/1998	Payne et al.
5,717,860 A	2/1998	Graber et al.

(Continued)

OTHER PUBLICATIONS

Yergeau, F. et al., "Internationalization of the Hypertext Markp Language", RFC 2070, p. 1-43, Jan. 1997.*

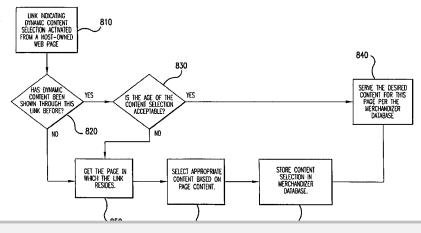
(Continued)

Primary Examiner—Jason D Cardone (74) Attorney, Agent, or Firm—Louis J. Hoffman

(57) ABSTRACT

An e-commerce outsourcing system and method provides hosts with transparent, context-sensitive e-commerce supported pages. The look and feel of a target host is captured for future use. The host is provided with one or more links for inclusion within a page on the host website that correlates with a selected commerce object, which may be contextually related to material in the page. The commerce object can be a product, a product category, or a dynamic selection indicator. Upon activation of the provided link, a visitor computer is served with a page with the look and feel of the host website and with content based upon the associated commerce object. Where the commerce object is a dynamic selection indicator, the content is selected at the time of activation based upon an analysis of the page containing the activated link.

27 Claims, 24 Drawing Sheets





U.S. PATENT DOCUMENTS

5 701 907 A	2/1000	Lagan et al
5,721,827 A 5,724,424 A	2/1998 3/1998	Logan et al. Gifford
5,724,521 A		Dedrick
5,727,159 A	3/1998 3/1998	Kikinis
5,745,681 A		Levine et al.
5,796,952 A	4/1998 8/1998	Davis et al.
5,802,299 A	9/1998	Logan et al.
5,809,481 A	9/1998	Baron et al.
5,812,769 A	9/1998	Graber et al.
5,819,285 A	10/1998	Damico et al.
5,825,884 A	10/1998	Zdepski et al.
5,848,396 A	1/1998	Gerace Cook
5,860,068 A	1/1999	
5,862,325 A	1/1999	Reed et al.
5,878,219 A	3/1999	Vance, Jr. et al.
5,884,033 A	3/1999	Duvall et al.
5,884,045 A	3/1999	Kurihara
5,890,175 A	3/1999	Wong et al.
5,893,091 A	4/1999	Hunt et al.
5,894,554 A	4/1999	Lowery et al.
5,895,468 A	4/1999	Whitmyer, Jr.
5,897,622 A	4/1999	Blinn et al.
5,898,836 A	4/1999	Freivald et al.
5,907,830 A	5/1999	Engel et al.
5,913,040 A	6/1999	Rakavy et al.
5,913,202 A	6/1999	Motoyama
5,915,243 A	6/1999	Smolen
5,918,239 A	6/1999	Allen et al.
5,926,798 A	7/1999	Carter
5,930,765 A	7/1999	Martin
5,933,811 A	8/1999	Angles et al.
5,937,392 A	8/1999	Alberts
5,940,834 A	8/1999	Pinard et al.
5,940,843 A	8/1999	Zucknovich et al.
5,948,061 A	9/1999	Merriman et al.
5,956,709 A	9/1999	Xue
5,963,915 A	10/1999	Kirsch
5,978,766 A	11/1999	Luciw
5,983,227 A	11/1999	Nazem et al.
5,983,270 A	11/1999	Abraham et al.
5,987,498 A	11/1999	Athing et al.
5,991,735 A	11/1999	Gerace
5,991,740 A	11/1999	Messer
6,012,098 A *	1/2000	Bayeh et al 709/246
6,023,714 A *	2/2000	Hill et al 715/513
6,029,141 A	2/2000	Bezos et al.
6,128,655 A *	10/2000	Fields et al 709/219
6,141,666 A	10/2000	Tobin 515/512
6,230,173 B1 *	5/2001	Ferrel et al 715/513
6,253,188 B1	6/2001	Witek et al.
6,629,135 B1 *	9/2003	Ross et al 709/218
6,763,343 B1*	7/2004	Brooke et al 707/1

OTHER PUBLICATIONS

Hudson, S. et al., "Supporting dynamic downloadable appearances in an extensible user interface toolkit", ACM Symposium on User Interface Software and Technology, p 159-168, Oct. 1997.*

"Agent-Mediated Electronic Commerce: Issues, Challenges and Some Viewpoints", Hyacinth S. Nwana, Jeff Rosenschein, Tuomas Sandholm, Carles Sierra, Pattie Maes, and Rob Guttmann, Proceedings of the 2nd International Conference on Autonomous Agents, pp. 189-196, May (1998).

"An Adaptive Algorithm for Learning Changes in User Interests", Dwi H. Widyantoro, Thomas R. Ioerger and John Yen, Proceedings of Conference on Knowledge and Information Management, pp. 405-412, Nov. (1999)

"A Multilevel Approach to Intelligent Information Filtering: Model, System, and Evaluation", ACM Transactions on Information Systems, vol. 15, Issue 4 (1997), pp. 368-399. Web Pages, http://www.broadvision.com (1996).

PCT International Search Report PCT/US99/21656 dated Jan. 25, 2000.

Dialog file 16 (database PROMT (R)), No. 6016914, BookSite launches version 3.0 of the popular electronic commerce web site. "Business Wife," 2 pp, Feb. 23, 1996. Dialog file 16 (database PROMT (R)), No. 6296727, "Amazon.com introduces "Amazon.com Associates"—a new model for internet-based commerce." Business Wife, 3 pp, Jul. 18, 1996.

Can Mixing 'Cookies' with Online Marketing be a Recipe for Heartburn? (Infoworld, vol. 18, No. 30), Jul. 22, 1996. RealTime Travel Info Available Online (Dailog database file 9, document 01107096), Jan. 17, 1995.

Online Growth Virtually Untapped; PC Vendors Taking More Advantage of Booming Sales (Computer Retail Week vol. 4, No. 64, p. 160), Jun. 6, 1994.

Selected documents from Incognito Café Web site describing Book Stacks Unlimited links partner program.

Resnick P., Iacovou, N., Suchak, M., Bergstrom P., and Riedl, J., GroupLens: An Open Architecture for Collaborative Filtering of Netnews. *Proceedings of ACM 1994 Conference on Computer Supported Cooperative Work*, Chapel Hill, NC, pp 175-186.

Balabanovic, M., and Shopham, Y., Fab: Content-Based Collaborative Recommendation. *Communications of the ACM*, vol. 40, No. 3, (Mar. 1997) pp 66-73.

"Places to Stay, Now WorldRes, Completes \$4 Million 1st -Round Venture"; news release fro http://www.wiredhotelier.com; Mar. 4, 1997.

"Wordless Provides CVBs Free Internet Technology for Web/Voice Hotel Bookings"; news release from http://www.wiredhotelier.com; Jul. 22, 1997.

"San Diego's CVB Is First To Implement internet Reservations Through Worldres"; news release from http://www. wiredhotelier.com; Sep. 20, 1997.

"About WorldRes"; web page printout; URL: http//web.archive.org/web/19970702032337/www.worldres.com; 1997.

Christensen, Eric; "Mapping a More Complete Internet Strategy"; web page printout, URL: http://web.archive.org/web/19970702032753/www.worldres.com; 1997.

Dukay, Kristin. "Unifying a large corporate Web site: A case study of www.microsoft.com." Proc. IEEE Int'l Professional Communication Conference 1997, pp. 321-327.

"Marketing Software on the Internet: A White Paper"; Digital River, Inc.; 1998.

"Technology Solutions to Electronic Transactions: A White Paper"; Digital River, Inc.; 1998.

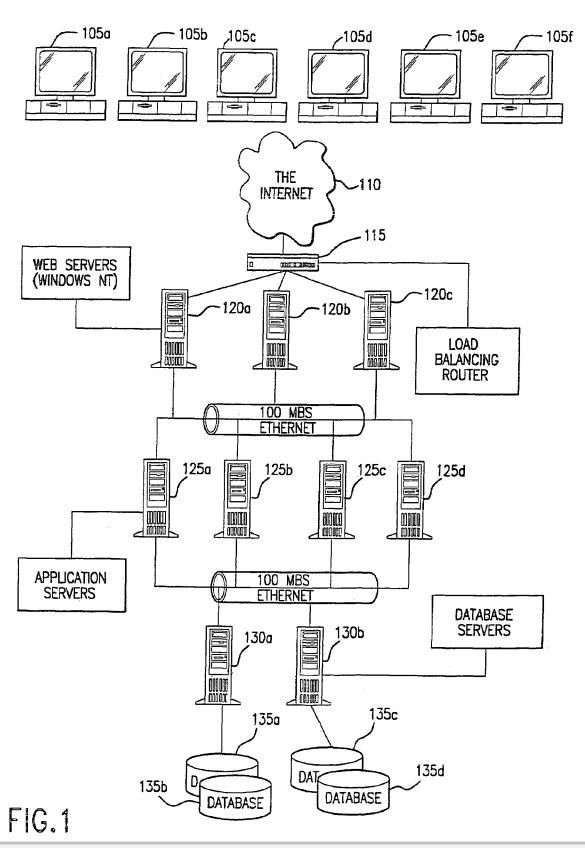
Form S-1, Amendment No. 4; filed with Securities and Exchange Commission, by Digital River, Inc.; Aug. 11, 1998.

"Worldres Teams Up With Yahoo!"; news release from http://www.wiredhotelier.com; Sep. 16, 1998.

Cimino JJ, et al. "Architecture for a Web-Based Clinical Information System that Keeps the Design Open and the Access Closed." Proc. AMIA Symp. 1998, pp. 121-125; Nov., 1998.

* cited by examiner





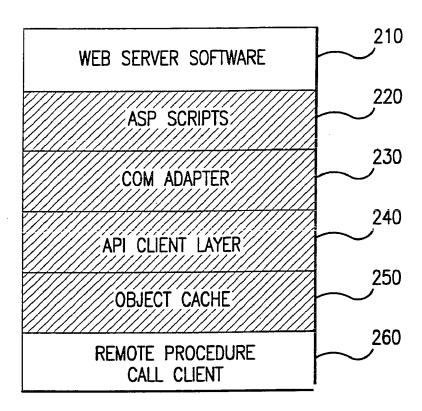


FIG.2

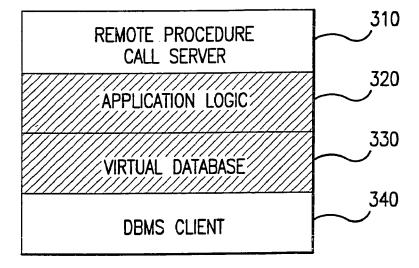
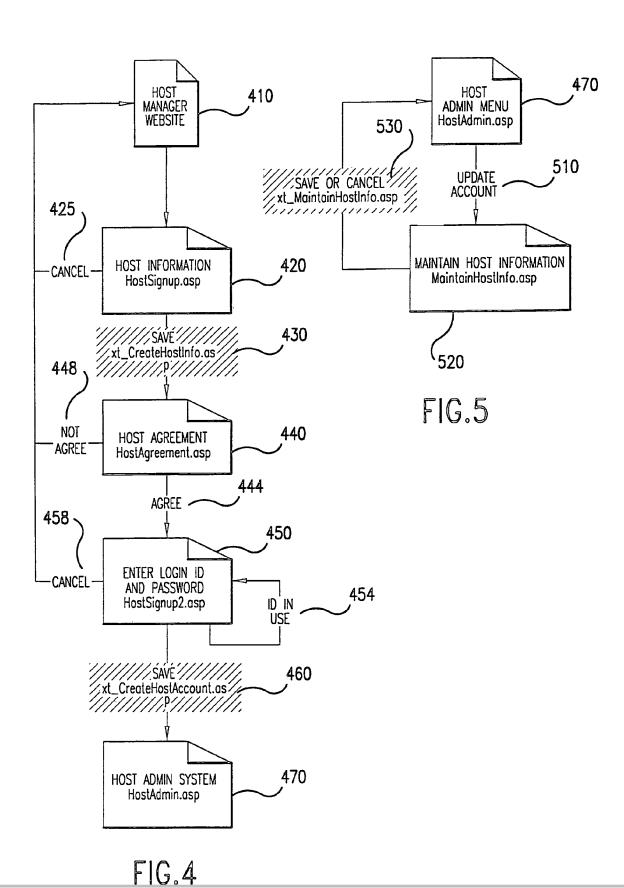


FIG.3





DOCKET

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.

