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Torres

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(54) **AUTOMATED BROWSING SYSTEM FOR PUBLISHERS AND USERS ON NETWORKS SERVING INTERNET AND REMOTE DEVICES**

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Related U.S. Application Data

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(51) **Int. Cl.**
G06F 17/00 (2006.01)
G06F 7/00 (2006.01)

(52) **U.S. Cl.** **707/104.1**; 715/501.1; 715/704

(58) **Field of Classification Search** 707/10, 707/103, 104, 501; 395/200.48, 200.49; 345/340–342, 348–350
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,287,266 A *	2/1994	Malec et al.	....	705/1
5,363,482 A *	11/1994	Victor et al.	....	345/804
5,515,490 A *	5/1996	Buchanan et al.	....	707/500.1
5,548,702 A *	8/1996	Li et al.	....	345/346
5,654,886 A *	8/1997	Zereski et al.	....	702/3
5,717,923 A	2/1998	Dedrick	....	395/613
5,721,827 A *	2/1998	Logan et al.	....	395/200.47
5,732,216 A *	3/1998	Logan et al.	....	395/200.33
5,740,549 A *	4/1998	Reilly et al.	....	705/14
5,748,190 A	5/1998	Kjorsvik	....	345/329
5,758,151 A	5/1998	Milligan et al.	....	395/611
5,760,771 A *	6/1998	Blonder et al.	....	345/854
5,768,528 A	6/1998	Stumm	....	395/200.61
5,774,123 A	6/1998	Matson	....	345/357

(Continued)

FOREIGN PATENT DOCUMENTS

EP	0749081 A1 *	12/1996	

OTHER PUBLICATIONS

Alan Braverman, "CCI Slide Show," @ <http://www.ncs2.uiuc.edu/sdg/software/xmosaic/cci/cci-slide-show.html>, Accesssed Jul. 20, 1999, Sep. 22, 1994.*

(Continued)

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(57) **ABSTRACT**

A method of sequencing and scheduling web resources, via a software application that collects URLs and feeds them to a Web browser, so that the amount of clicks and decisions are reduced when browsing the Internet. The method begins after a computer user with Net-access encounters a URL that leads to a collection of other URLs that the software application has arranged to be presented in a continuous, show manner. This collection of resources then plays automatically, going from one resource to the next without the user being required to make a decision or click. The decision-making process is not inhibited, it is made optional. A method of inserting full-screen advertising, public service announcements, news, etc. has been developed. The server software application module described herein allows a publisher to stream URLs to a user who does not have the client-side software. The publishing module allows a user to format resources to a particularly desirable size and characteristic that promotes readability during a show viewing session. This same module can publish collections of nodes for others to view as a whole sequence, accessible via e-mail, screen saver or as a web resource.

64 Claims, 9 Drawing Sheets

U.S. PATENT DOCUMENTS

5,774,664	A		6/1998	Hidary et al. 395/200.48
5,774,666	A	*	6/1998	Portuesi 725/110
5,778,181	A		7/1998	Hidary et al. 395/200.48
5,778,187	A		7/1998	Monteiro et al. 395/200.61
5,781,186	A	*	7/1998	Jennings 707/500.1
5,796,952	A		8/1998	Davis et al. 395/200.54
5,799,157	A	*	8/1998	Escallon 395/227
5,799,292	A		8/1998	Hekmatpour 706/11
5,806,077	A		9/1998	Wecker 707/501
5,809,247	A	*	9/1998	Richardson et al. 709/218
5,819,273	A		10/1998	Vora et al. 707/10
5,822,525	A	*	10/1998	Tafoya et al. 395/200.34
5,848,396	A	*	12/1998	Gerace 705/10
5,905,492	A	*	5/1999	Straub et al. 345/333
5,918,012	A	*	6/1999	Astiz et al. 395/200.47
5,995,951	A	*	11/1999	Ferguson 706/10
6,008,807	A	*	12/1999	Bretschneider et al. 345/732
6,009,429	A	*	12/1999	Greer et al. 707/10
6,038,367	A	*	3/2000	Abecassis 386/46
6,084,582	A	*	7/2000	Qureshi et al. 345/302
6,182,072	B1		1/2001	Leak et al. 707/10
6,233,591	B1		5/2001	Sherman et al. 707/501
6,317,594	B1	*	11/2001	Gossman et al. 455/414

OTHER PUBLICATIONS

Franz J. Hauck, "Supporting Hierarchical Guided Tours in the World Wide Web," Fifth International World Wide Web Conference, @ <http://wwwsconf.inria.fr/pich_html/papers/p30/overview.html >, Accessed Jun. 30, 1999, May 1996.*

Hauck, Franz J. "Supporting Hierarchical Guided Tours in the World Wide Web", Fifth International World Wide Web Conference, May 6-10, 1996, downloaded from http://www5conf.inria.fr/fich_html/papers/P30/Overview.html, accessed Jun. 30, 1999.*

Hauck, F. "Supporting Hierarchical Guided Tours in the World Wide Web", Fifth International World Wide Web Conference, May 6-10, 1996.*

Microsoft Press, "Microsoft Powerpoint Handbook", Redmond:Microsoft Press, 1992, pp. 30-43, 274-285, 479-496.*

PCT Search Report Dated Jan. 28, 1999 (Citing the above 4 patents).

Video Tape Demonstration, "Celebrating the Past by Looking to the Future," Date Unknown.

"*Guided Tours and On-Line Presentation: How Authors make Existing Hypertext Intelligible for Readers*" Catherine C. Marshall and Pessy M. Irish. ACM Hypertext '89 Proceedings p. 15-26 Nov. 1989.

* cited by examiner

CLIENTS

FIG. 1

WEB SITES

12

12

12

12

12

12

14

INTERNET ACCESS PROVIDER

16
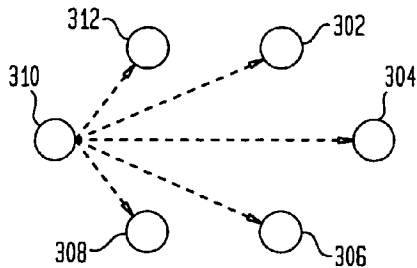
ON-LINE SERVICE PROVIDER

10
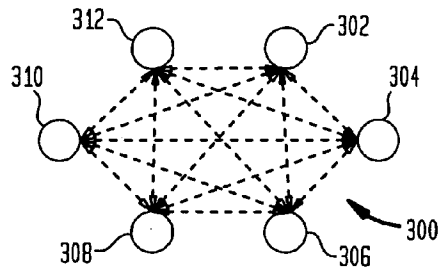
10

10

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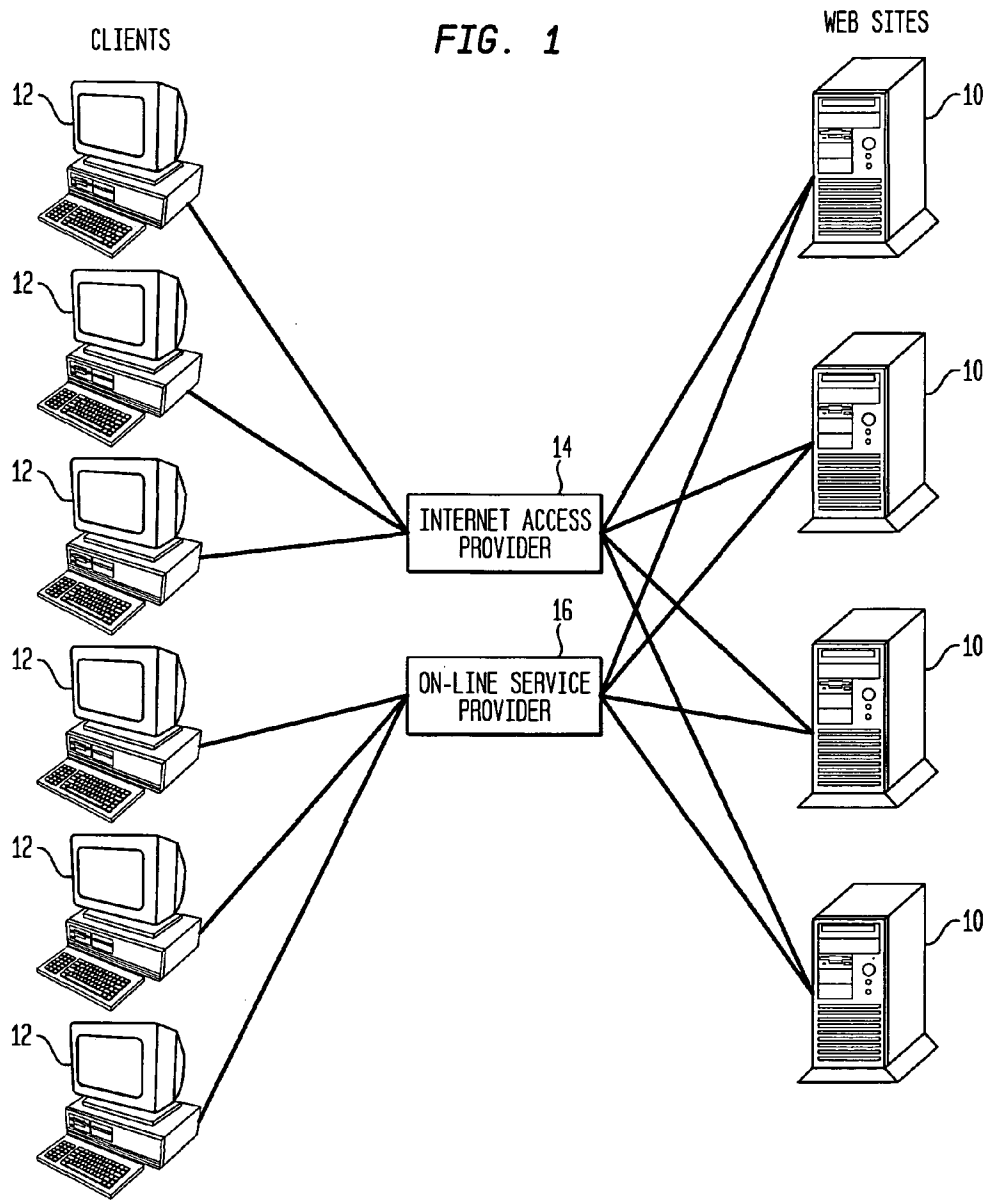
FIG. 2A
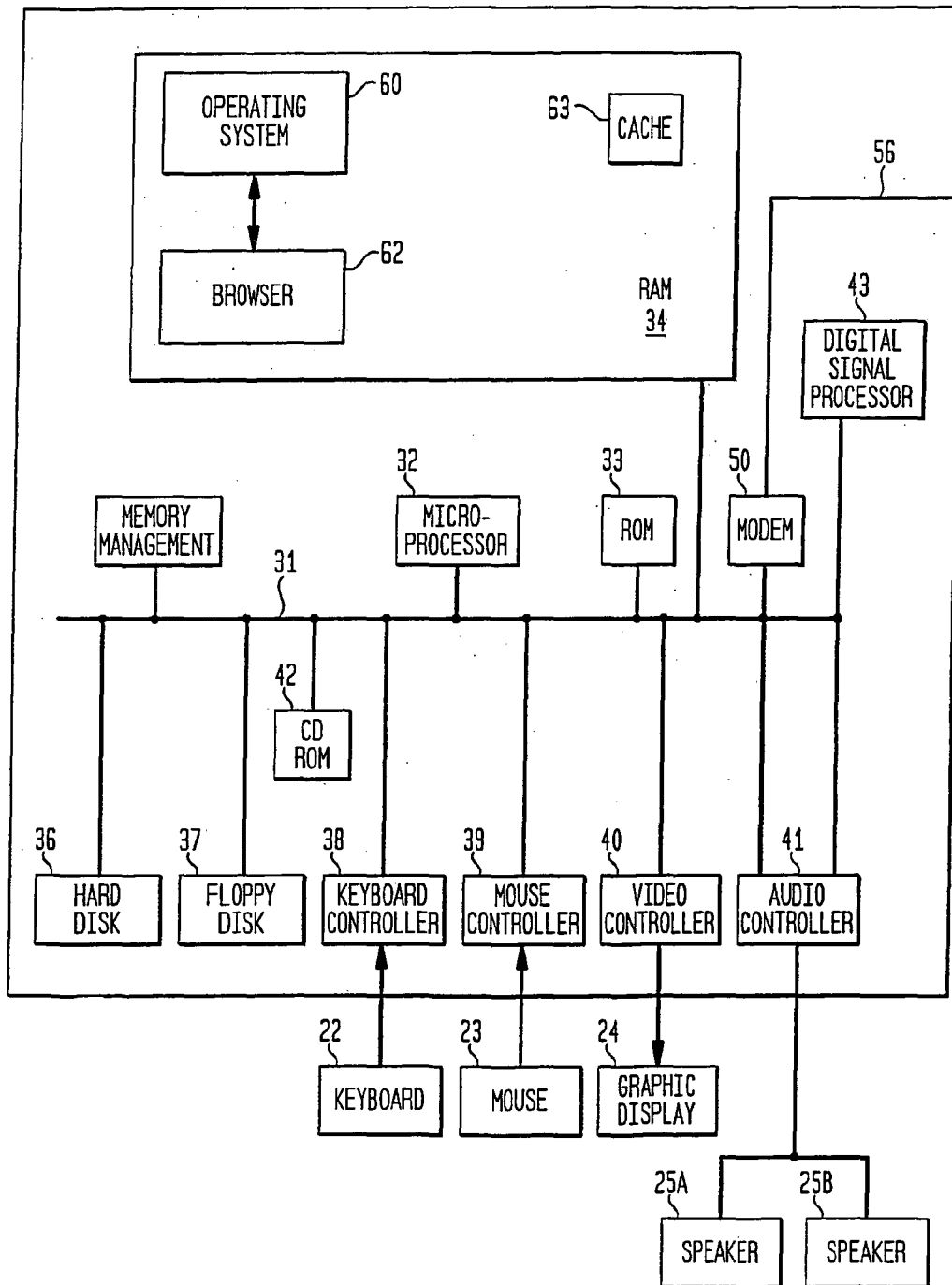
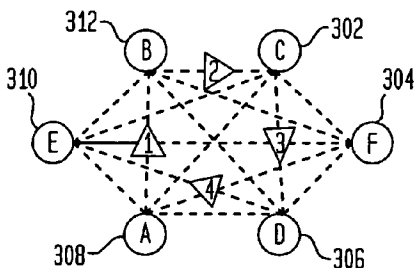NODES AND PATHS THROUGH STRUCTURES

FIG. 2C

UNIQUE PATHS WITH THE SAME STARTING POINT AND A LENGTH OF ONE IN A NETWORK OF SIX RESOURCES
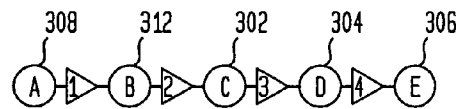
FIG. 2B

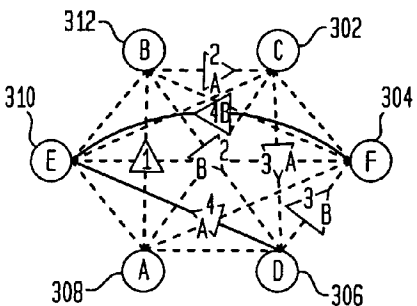ALL POSSIBLE PATHS FROM ONE NODE TO ANOTHER IN A NETWORK OF SIX RESOURCES

FIG. 2D1

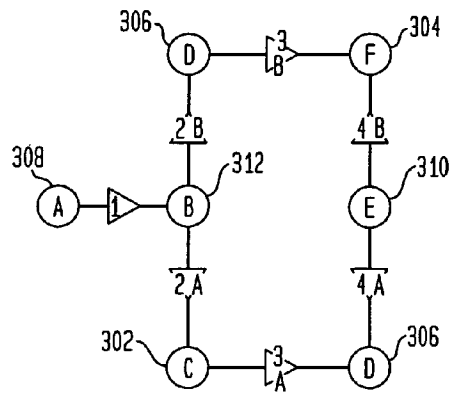A PATH WITH A LENGTH OF FOUR IN A NETWORK OF SIX RESOURCES

FIG. 2D2

THE STATE MAP OF THE PREVIOUS PATH

FIG. 2E

A MULTIPATH WITH A LENGTH OF FOUR IN TWO POSSIBLE PATHS IN A NETWORK OF SIX RESOURCES

FIG. 2F

THE STATE MAP OF THE PREVIOUS PATH

DOCKET ALARM

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