US005761436A

United States Patent [19]

Nielsen

[11] **Patent Number:** 5,761,436

[45] **Date of Patent:** Jun. 2, 1998

[54] **METHOD AND APPARATUS FOR COMBINING TRUNCATED HYPERLINKS TO FORM A HYPERLINK AGGREGATE**

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[73] Assignee: **Sun Microsystems, Inc.**, Palo Alto, Calif.

[21] Appl. No.: **674,049**

[22] Filed: **Jul. 1, 1996**

[51] **Int. Cl.^{6}** **G06F 17/30**

[52] **U.S. Cl.** **395/200.75**; 395/604; 395/605; 395/612

[58] **Field of Search** 395/604, 605, 395/612, 762, 200.66, 200.75, 200.3, 200.33, 200.97

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,985,863	1/1991	Fujisawa et al.	395/605
5,598,535	1/1997	Brech et al.	395/200.6
5,608,870	3/1997	Valiant	395/427

[57] **ABSTRACT**

Apparatus, methods, systems and computer program products are disclosed to provide a hypertext user with a history facility for displaying accessed hypernodes. The invention displays the history list to the user based on when the hypernode was accessed and based on the placement of the hypernode in the hyperlink hierarchy.

20 Claims, 13 Drawing Sheets

Baber's Global Directory of Computer...
Yahoo! - Business and Economy:Compa...
Yahoo! - Business and Economy:Compa...
317 → Yahoo! - Business and Economy:Compa...
Yahoo! - Business and Economy:Busine...
Yahoo!
California Bar - Sections
315 → The State Bar of California
calbar links - other bars
The State Bar of California - cabar li...
315 → The State Bar of California
KuesterLaw Technology Law Resource...
319 → KuesterLaw Technology Law Resource...
Legislative Publications
Official California Legislative Informa...
Search California Statutes
Find California Code
Ultra Computing for Business Solutions
Sun's Server Family
Netra nfs Server
321 → Netra NFS Server
Sun Microsystems   313

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Yahoo! - Business and Economy:Compa...
Yahoo! - Business and Economy:Compa...
Yahoo! - Business and Economy:Compa...
Yahoo! - Business and Economy:Busine...
Yahoo!
The State Bar of California
325 → http://www.cabar.org/2lin/
California Bar - Sections
The State Bar of California
327 → http://www.kuesterlaw.com/
329 → http://www.leginfo.ca.gov/
Ultra Computing for Business Solutions
Sun's Server Family
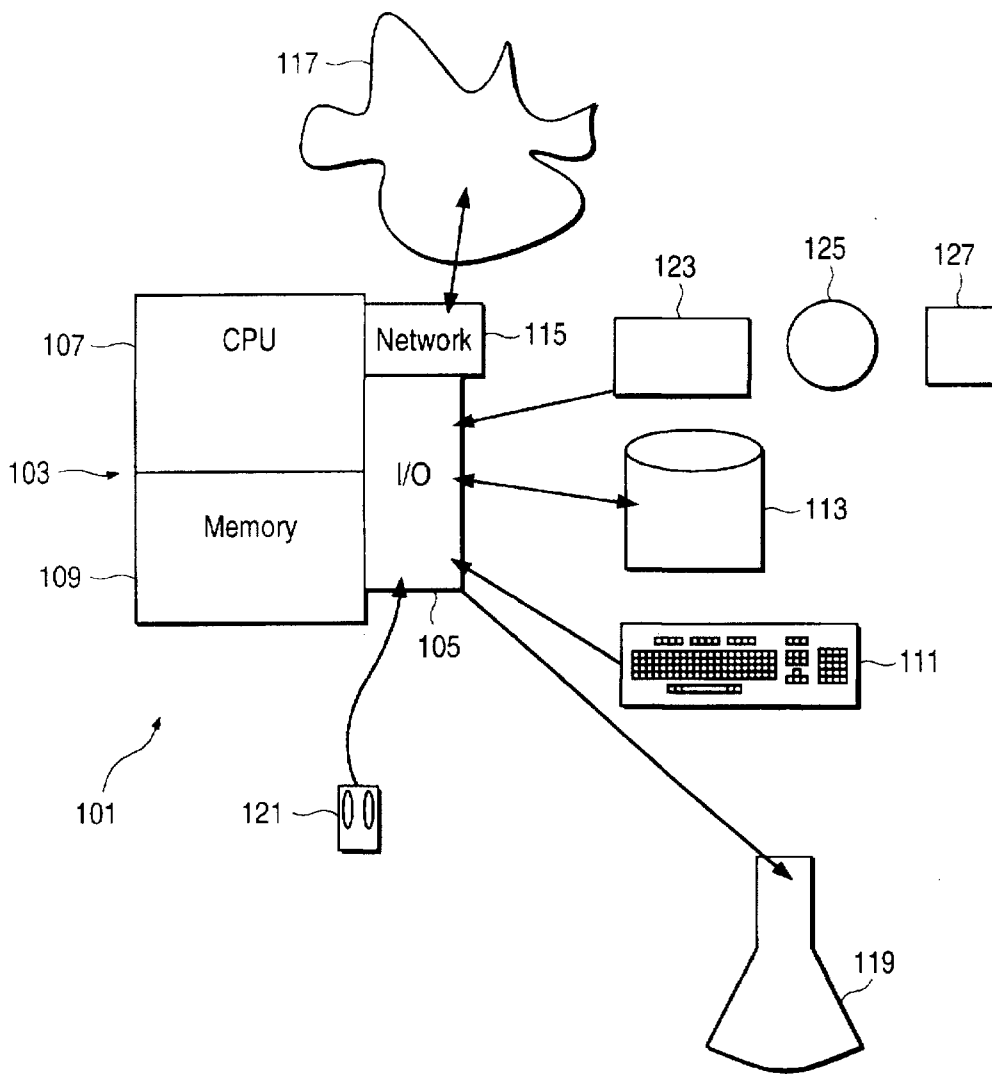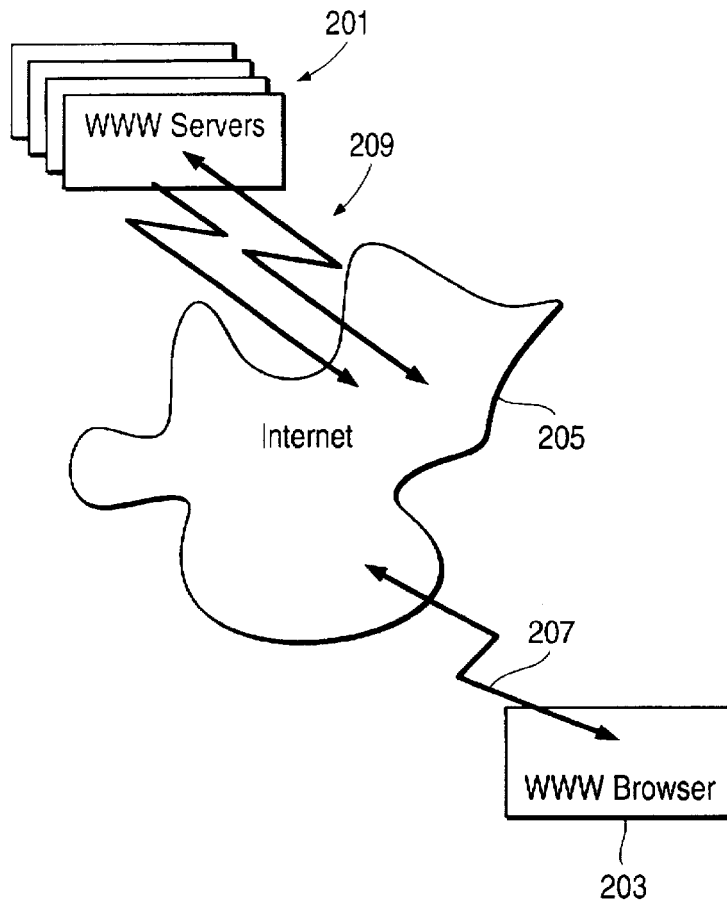331 → http://www.sun.com/netra-nfs/
Sun Microsystems

FIG. 1

201

WWW Servers

209

Internet

205

207

WWW Browser

203

FIG. 2

301   303

Baber's Global Directory of Computer...	http://www.baber.com/
Yahoo! - Business and Economy:Compa...	http://www.yahoo.com/Business/Companies/Computers/Directories
Yahoo! - Business and Economy:Compa...	http://www.yahoo.com/Business/Companies/Directories
Yahoo! - Business and Economy:Compa...	http://www.yahoo.com/Business/Companies/
Yahoo! - Business and Economy:Busine...	http://www.yahoo.com/Business/Business
Yahoo!	http://www.yahoo.com/
California Bar - Sections	http://www.calbar.org/2sec/sections.htm
The State Bar of California 339	http://www.calbar.org/index.htm
calbar links - other bars	http://www.calbar.org/2lin/2dis.htm
The State Bar of California - cabar li...	http://www.calbar.org/2lin/links.htm
The State Bar of California 337	http://www.calbar.org/
KuesterLaw Technology Law Resource...	http://www.kuesterlaw.com/indexb.htm#g
KuesterLaw Technology Law Resource...	http://www.kuesterlaw.com/
305 Legislative Publications	http://www.leginfo.ca.gov/legpubs.html
307 Official California Legislative Informa...	http://www.leginfo.ca.gov/
309 Search California Statutes	http://www.leginfo.ca.gov/statute.html
311 Find California Code	http://www.leginfo.ca.gov/calaw.html
Ultra Computing for Business Solutions	http://www.sun.com/960416/ultra2home.html
Sun's Server Family	http://www.sun.com/products-n-solutions/hw/servers/index.html
Netra nfs Server	http://www.sun.com/netra-nfs/features.html
Netra NFS Server	http://www.sun.com/netra-nfs/index.html
Sun Microsystems	http://www.sun.com/

300

FIG. 3a

Baber's Global Directory of Computer...
Yahoo! - Business and Economy:Compa...
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Legislative Publications
Official California Legislative Informa...
Search California Statutes
Find California Code
Ultra Computing for Business Solutions
Sun's Server Family
Netra nfs Server
321 → Netra NFS Server   313
Sun Microsystems

FIG. 3b

Baber's Global Directory of Computer...
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327 → http://www.kuesterlaw.com/
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Ultra Computing for Business Solutions
Sun's Server Family
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Sun Microsystems

FIG. 3c

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