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

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(54) **DISPLAYING TIME-VARYING INTERNET  
BASED DATA USING APPLICATION MEDIA  
PACKAGES**

(52) **U.S. Cl.**  
USPC ..... 709/217; 709/219

(58) **Field of Classification Search**  
USPC ..... 709/217, 219  
See application file for complete search history.

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(56) **References Cited**

U.S. PATENT DOCUMENTS

5,599,756	A	2/1997	Matsuo	501/127
5,625,781	A	4/1997	Cline et al.	
5,649,186	A	7/1997	Ferguson	
5,682,511	A	10/1997	Sposato et al.	715/716
5,740,549	A	4/1998	Reilly et al.	

(Continued)

FOREIGN PATENT DOCUMENTS

WO WO0180086 A2 10/2001

OTHER PUBLICATIONS

Alexa 1.4.1 Support Pages, 9 pages, www.alexa.com/support/index 1.html, Jan. 1999.

(Continued)

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This patent is subject to a terminal disclaimer.

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**Related U.S. Application Data**

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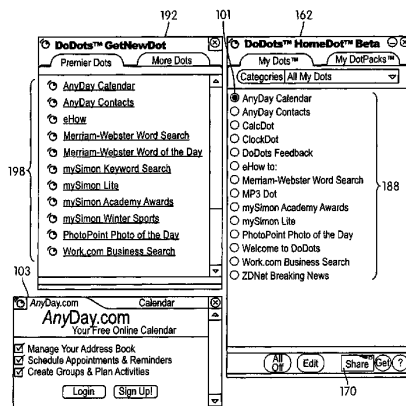
(60) Provisional application No. 60/176,699, filed on Jan. 18, 2000, provisional application No. 60/176,687, filed on Jan. 18, 2000, provisional application No. 60/131,115, filed on Apr. 26, 1999, provisional application No. 60/131,114, filed on Apr. 26, 1999, provisional application No. 60/131,083, filed on Apr. 26, 1999.

(51) **Int. Cl.**  
**G06F 15/16** (2006.01)

(57) **ABSTRACT**

A software component for accessing and displaying time-varying Internet content includes a definition for rendering a graphical user interface and a URL pointing to the time-varying Internet content to be downloaded and presented within said user interface. A component provider may create displays of Internet content which vary as a function of the varying of the time-varying Internet content. In one example, the graphical user interface includes an image, and the image varies in order to illustrate the varying of the time-varying data.

**24 Claims, 37 Drawing Sheets**





2008/0163202	A1	7/2008	Kembel et al.	717/178
2008/0229217	A1	9/2008	Kembel et al.	715/760
2010/0235757	A1	9/2010	Kembel et al.	715/745
2010/0257442	A1	10/2010	Kembel et al.	715/234
2012/0117479	A1	5/2012	Kembel et al.	715/736

OTHER PUBLICATIONS

Alexa general faqs, 4 pages, [www.alexa.com/whatisalexa/faq.html#general](http://www.alexa.com/whatisalexa/faq.html#general), Jan. 1999.

"Custom Explorer Bars Give Sites an Edge," 2 pages, [www.microsoft.com/Windows/le/IE5/custom.asp](http://www.microsoft.com/Windows/le/IE5/custom.asp), Jan. 1999.

"Flexibility Across the Web," 2 pages, [www.microsoft.com/Windows/le/IE5/choice.asp](http://www.microsoft.com/Windows/le/IE5/choice.asp), Jan. 1999.

"Web Accessories Overview," 2 pages, [www.microsoft.com/workshop...er/accessory/overview/overview.asp](http://www.microsoft.com/workshop...er/accessory/overview/overview.asp), Jan. 1999.

"Browser Extensions Overview," 2 pages, [www.microsoft.com/workshop/browser/ext/overview/overview.asp](http://www.microsoft.com/workshop/browser/ext/overview/overview.asp), Jan. 1999.

Alexa Technology, 4 pages, [www.alexa.com/support/technology.html](http://www.alexa.com/support/technology.html), Jan. 1999.

"Creating Custom Explorer Bars and Desk Bands," 13 pages, [www.microsoft.com/workshop/browser/ext/overview/Bands.asp](http://www.microsoft.com/workshop/browser/ext/overview/Bands.asp), Jan. 1999.

Alexa Internet Tour, 1 page, [www.alexa.com.whatisalexa/index/html](http://www.alexa.com.whatisalexa/index/html), Jan. 1999.

"Revolutionary Ad Model," Advertise on Alexa, 1 page, [www.alexa.com/company/advertise.html](http://www.alexa.com/company/advertise.html), Jan. 1999.

"The Alexa Service Appears on Your Desktop in Its Own Window," 1 page, [www.alexa.com/tour/overview.html](http://www.alexa.com/tour/overview.html), Jan. 1999.

"Know More About the Sites You Visit," 1 page, [www.alexa.com/tour/site\\_stats.html](http://www.alexa.com/tour/site_stats.html), Jan. 1999.

"Find Related Web Sites," 1 page, [www.alexa.com/tour/related\\_links.html](http://www.alexa.com/tour/related_links.html), Jan. 1999.

500,000 Sites and Growing, 1 page, [www.alexa.com/tour/archive.html](http://www.alexa.com/tour/archive.html), Jan. 1999.

"Research Tools at Your Fingertips," 1 page, [www.alexa.com/tour/eb.html](http://www.alexa.com/tour/eb.html), Jan. 1999.

"Reporting," 1 page, [www.alexa.com/company/reporting.html](http://www.alexa.com/company/reporting.html), Jan. 1999.

"Alexa Internet's Related Links Integrated Into Netscape Browser," 1 page, [www.alexa.com/company/netscape.html](http://www.alexa.com/company/netscape.html), Jan. 1999.

"Demographics," [alexa.com/company/demographics.html](http://alexa.com/company/demographics.html), Jan. 1999.

"Ads Appear in the Pop-up and on the Bar," 1 page, [www.alexa.com/company/adspecs.html](http://www.alexa.com/company/adspecs.html), Jan. 1999.

"Alexa Why Crawl," 1 page, [www.alexa.com/support/why\\_crawl.html](http://www.alexa.com/support/why_crawl.html), Jan. 1999.

GIF Image 590x329 pixels, Alexa, 1 page, [www.alexa.com/tour/images/alexa\\_overview.gif](http://www.alexa.com/tour/images/alexa_overview.gif), Jan. 1999.

"It's X-treme!," Alexa, PC Magazine: The Best of 1998, 1 page, [www.zdnet.com/pcmag/special/bestof98/internet5.html](http://www.zdnet.com/pcmag/special/bestof98/internet5.html), Jan. 1999.

"Search While You Surf," PC Magazine: Search the Web, 1 page, [www.zdnet.com/pcmag/features/websearch98/surf.html](http://www.zdnet.com/pcmag/features/websearch98/surf.html), Jan. 1999.

MindSpring, MyYahoo, pp. 1-16, [www.mindspring.com/myyahoo/contents.htm](http://www.mindspring.com/myyahoo/contents.htm), Dec. 1997.

Morrison, XML Unleashed, Sams Publishing, Dec. 21, 1999.

Flanagan, JavaScript; The Definitive Guide, 3rd Ed., O'Reilly, Jun. 1998.

Patent Application entitled "Parallel Web Sites", U.S. Appl. No. 09/192,633, filed Nov. 16, 1998.

Microsoft Computer Dictionary, Fifth Edition, 2002, Definition of "Web Browser".

Williams, Margot, "Cyberspace Calendars: The Web's Growing Date Base", Nov. 30, 1998, The Washington Post, p. 1.

Bott, Ed., et al., "Special Edition Using Windows 95 with Internet Explorer 4.0", Publisher: Que, Feb. 17, 1998, pp. 585 and 435.

McFedries, Paul, "Windows 98 Unleashed", Publisher: Sams, May 12, 1998, pp. 594-596.

McFedries, Paul, "Windows 98 Unleashed", Publisher: Sams Publishing, May 12, 1998, pp. xix, xx, xxi, xxiv, 2-4, 44-46, 69, 70, 79, 80, 97-116, 148, 158-163, 251, 551, 787-792, 799-807, 885, 899, 900, and 904-906.

McCrickard, D. Scott, et al., "Supporting Information Awareness Using Animated Widgets", Proceedings of the 7th USENIX Tel/Tk Conference, Feb. 14-18, 2000, 12 pages.

"Streaming Internet Technologies", *PR Newswire*, May 18, 1999, 2 pages.

"NewsEdge Delivers the Power of Real-Time News in a Browser", *Business Wire*, Nov. 9, 1998, 3 pages.

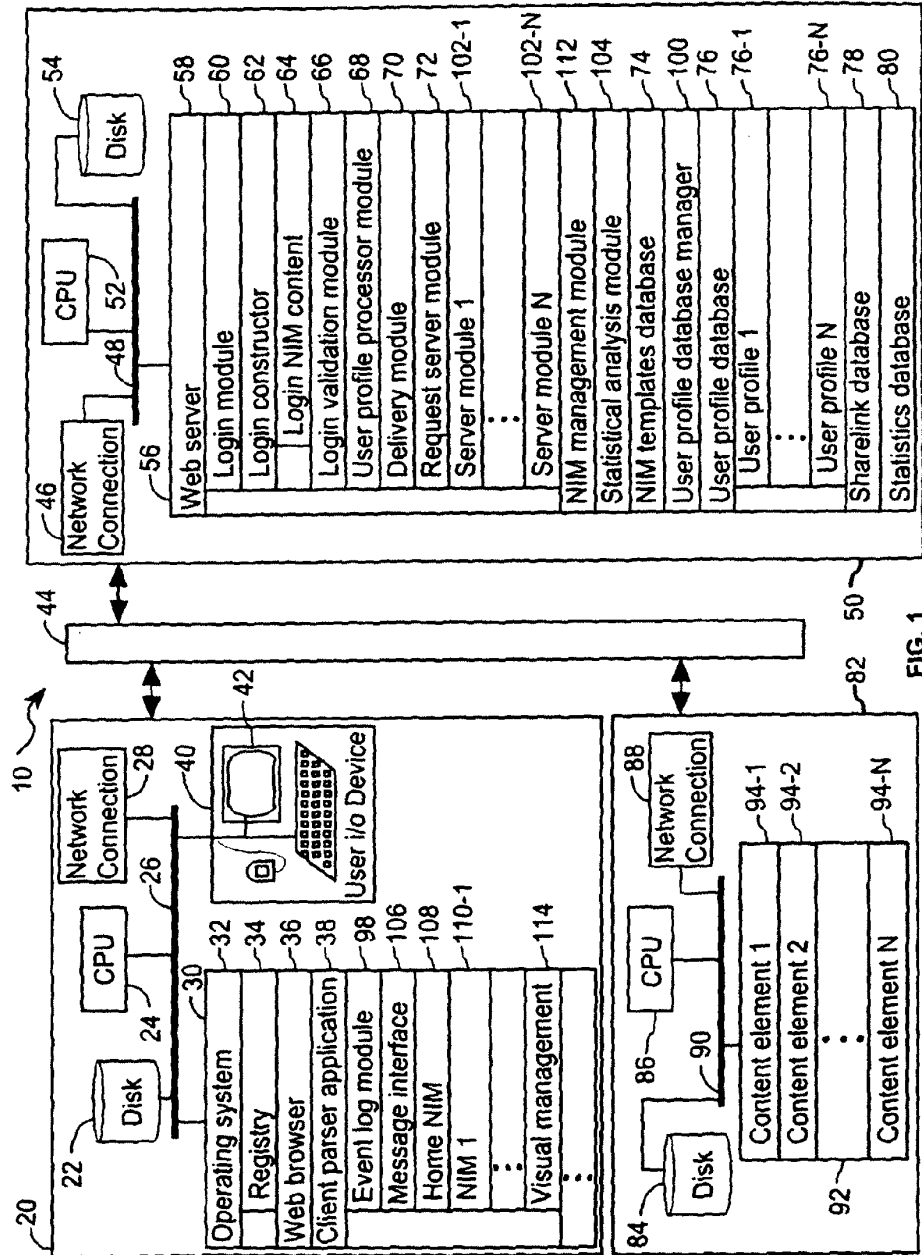
McCartney, Terrance Paul, "End-User Construction and Configuration of Distributed Multimedia Applications", *ProQuest Dissertations and Theses*, 1996, 197 pages.

"Microsoft Eyes Marimba's Castanet", by CNET News.com Staff, Dec. 24, 1996, printed from [http://news.cnet.com/Microsoft-eyes-Marimbas-Castanet/2100-1001\\_3-257491.html](http://news.cnet.com/Microsoft-eyes-Marimbas-Castanet/2100-1001_3-257491.html), 2 pages.

Williams, Dennis, "Application Delivery on a Grand Scale", *Network World Fusion*, Mar. 22, 1999, printed from <http://www.networkworld.com/reviews/0322revmarimba.html>, 4 pages.

Whitehead et al., "WEBDAV: IETF Standard for Collaborative Authoring on the Web", Sep. and Oct. 1998, Retrieved from the Internet [URL:ieeexplore.ieee.org/xpls/abs\\_all.jsp?arnumber=722228](http://URL:ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=722228), pp. 1-7 as printed.

\* cited by examiner



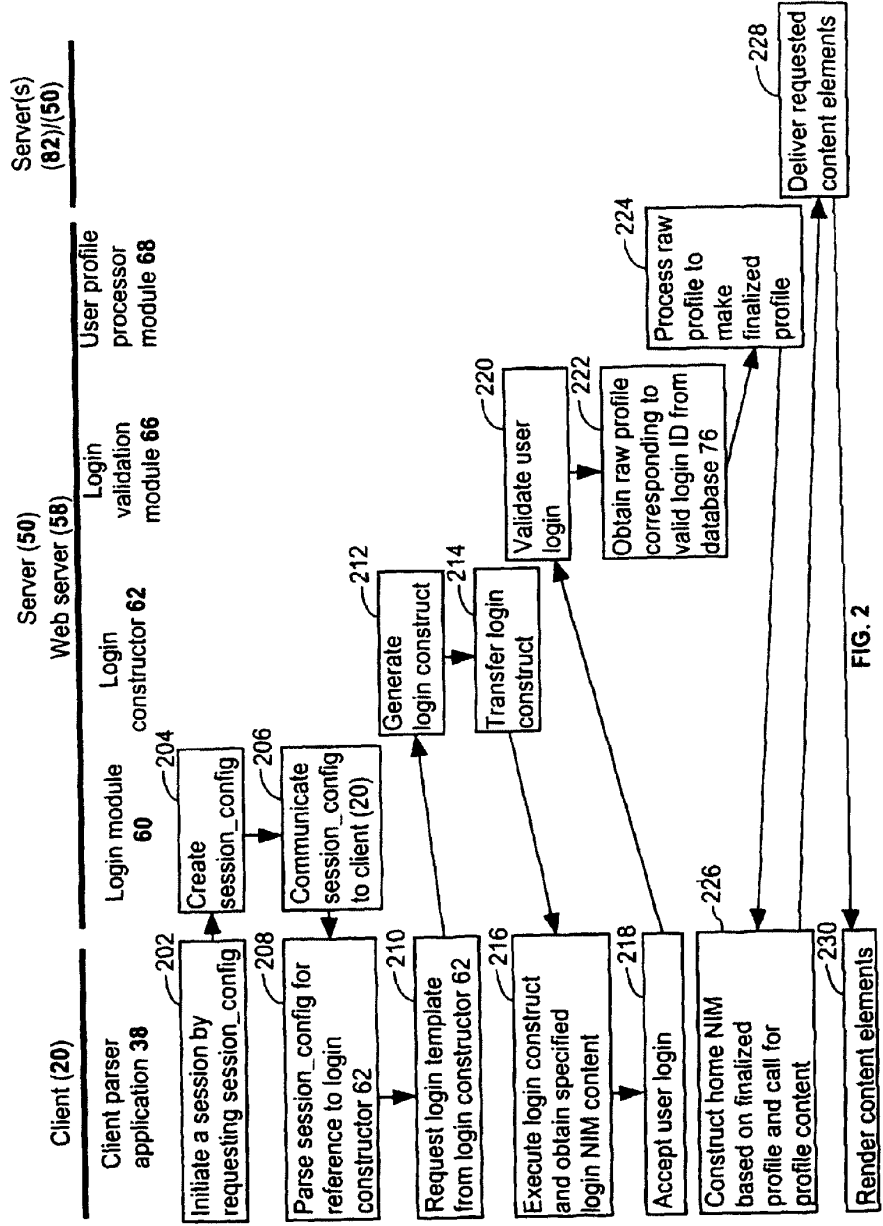


FIG. 2

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