



US008510406B2

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

(10) **Patent No.:** **US 8,510,406 B2**  
(45) **Date of Patent:** **\*Aug. 13, 2013**

(54) **COMPONENT FOR ACCESSING AND DISPLAYING INTERNET CONTENT**

(75) Inventors: **John Albert Kembel**, Palo Alto, CA (US); **George Andrew Kembel**, Menlo Park, CA (US); **Daniel S. Kim**, Palo Alto, CA (US); **John Russell**, Palo Alto, CA (US); **Jake Wobbrock**, Palo Alto, CA (US); **Geoffrey S. Kembel**, Menlo Park, CA (US); **Jeremy L. Kembel**, Palo Alto, CA (US); **Lynn D. Gabbay**, Sunnyvale, CA (US)

(73) Assignee: **Mainstream Scientific, LLC**, Mountain View, CA (US)

(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 954 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **11/932,286**

(22) Filed: **Oct. 31, 2007**

(65) **Prior Publication Data**

US 2008/0229217 A1 Sep. 18, 2008

**Related U.S. Application Data**

(63) Continuation of application No. 09/558,925, filed on Apr. 26, 2000, now Pat. No. 7,660,868.

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

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

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

(58) **Field of Classification Search**  
USPC ..... 715/700; 709/219  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,375,199 A 12/1994 Harrow et al. .... 715/771  
5,599,756 A 2/1997 Matsuo ..... 501/127

(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)

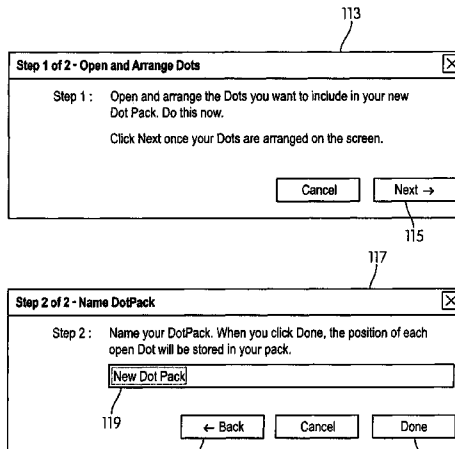
*Primary Examiner* — Sulaiman Nooristany

(74) *Attorney, Agent, or Firm* — Pillsbury Winthrop Shaw Pittman, LLP

(57) **ABSTRACT**

A software component for accessing and displaying Internet content includes a definition for rendering a graphical user interface within which Internet content may be presented outside of and without utilization of a web browser application. The component also includes a network reference, such as a URL, pointing to the Internet content such that the Internet Content may be downloaded and presented within said user interface. A component provider may thus create customized displays within which intended web-content may be rendered. An application component may be used in association with the software component to manage the collection, organization, sharing, and rendering of a plurality of such software components.

**25 Claims, 37 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

5,625,781	A	4/1997	Cline et al.	6,297,819	B1	10/2001	Furst
5,649,186	A	7/1997	Ferguson	6,314,451	B1	11/2001	Landsman et al.
5,682,511	A	10/1997	Sposato et al. ....	6,317,759	B1	11/2001	Osmond ..... 715/513
5,740,549	A	4/1998	Reilly et al.	6,341,305	B2	1/2002	Wolfe
5,745,718	A	4/1998	Cline et al. ....	6,342,907	B1	1/2002	Petty et al. .... 345/762
5,761,662	A	6/1998	Dasan	6,343,377	B1	1/2002	Gessner et al. .... 717/10
5,774,670	A	6/1998	Montulli ..... 395/200.57	6,356,905	B1	3/2002	Gershman et al. .... 707/10
5,794,230	A	8/1998	Horadan et al.	6,369,840	B1	4/2002	Barnett et al.
5,796,393	A	8/1998	MacNaughton et al.	6,370,552	B1	4/2002	Bloomfield ..... 715/513
5,796,952	A	8/1998	Davis et al.	6,374,273	B1	4/2002	Webster ..... 707/513
5,801,702	A	9/1998	Dolan et al.	6,385,596	B1	5/2002	Wiser et al. .... 705/51
5,802,530	A	9/1998	Van Hoff ..... 715/513	6,393,407	B1	5/2002	Middleton et al.
5,805,829	A	9/1998	Cohen et al. .... 395/200.32	6,401,134	B1	6/2002	Razavi et al. .... 709/310
5,809,248	A	9/1998	Vidovic	6,411,992	B1	6/2002	Srinivasan et al.
5,818,446	A	10/1998	Bertram et al. .... 715/746	6,414,677	B1	7/2002	Robertson et al. .... 345/419
5,835,088	A	11/1998	Jaaskelainen, Jr. .... 715/803	6,418,440	B1	7/2002	Kuo et al.
5,838,906	A	11/1998	Doyle et al. .... 715/205	6,434,563	B1	8/2002	Pasquali et al.
5,860,068	A	1/1999	Cook ..... 705/26.81	6,434,598	B1	8/2002	Gish ..... 709/203
5,864,676	A	1/1999	Beer et al. .... 709/229	6,452,609	B1	9/2002	Katinsky et al. .... 345/716
5,864,868	A	1/1999	Contois ..... 707/104	6,453,348	B1	9/2002	Barnier et al. .... 709/225
5,890,172	A	3/1999	Borman et al.	6,460,029	B1	10/2002	Fries et al.
5,893,091	A	4/1999	Hunt et al.	6,476,833	B1	11/2002	Moshfeghi ..... 345/854
5,896,533	A	4/1999	Ramos et al. .... 395/680	6,484,149	B1	11/2002	Jammes et al.
5,918,237	A	6/1999	Montalbano ..... 715/206	6,487,566	B1	11/2002	Sundaresan
5,919,247	A	7/1999	Van Hoff et al. .... 709/217	6,487,663	B1	11/2002	Jaisimha et al. .... 713/193
5,923,845	A	7/1999	Kamiya et al. .... 709/206	6,496,203	B1	12/2002	Beaumont et al. .... 345/762
5,923,885	A	7/1999	Johnson et al. .... 717/176	6,510,466	B1	1/2003	Cox et al. .... 709/229
5,948,061	A	9/1999	Merriman et al.	6,537,324	B1	3/2003	Tabata et al.
5,959,621	A	9/1999	Nawaz et al. .... 345/329	6,538,673	B1	3/2003	Maslov
5,966,715	A	10/1999	Sweeney et al. .... 707/203	6,549,612	B2	4/2003	Gifford et al.
5,973,692	A	10/1999	Knowlton et al. .... 345/348	6,560,639	B1	5/2003	Dan et al.
5,974,446	A	10/1999	Sonnenreich et al.	6,571,245	B2	5/2003	Huang et al.
5,974,546	A	10/1999	Anderson ..... 713/2	6,594,682	B2	7/2003	Peterson et al.
5,977,964	A	11/1999	Williams et al.	6,606,657	B1	8/2003	Zilberstein et al. .... 709/224
5,983,227	A	11/1999	Nazem et al.	6,629,143	B1	9/2003	Pang ..... 709/226
5,987,513	A	11/1999	Prithviraj et al.	6,662,341	B1	12/2003	Cooper et al. .... 715/513
5,995,756	A	11/1999	Hermann	6,681,368	B1	1/2004	Kawabata ..... 715/501.1
6,006,252	A	12/1999	Wolfe	6,687,745	B1	2/2004	Franco et al. .... 709/219
6,012,090	A	1/2000	Chung et al.	6,691,130	B2	2/2004	Kawasaki et al. .... 707/102
6,012,098	A	1/2000	Bayeh et al.	6,694,484	B1	2/2004	Mueller ..... 715/513
6,018,344	A	1/2000	Harada et al.	6,724,403	B1	4/2004	Santoro et al. .... 345/765
6,023,698	A	2/2000	Lavey, Jr. et al. .... 707/10	6,751,606	B1	6/2004	Fries et al.
6,026,433	A	2/2000	D'Arlach et al.	6,757,716	B1	6/2004	Blegen et al. .... 709/217
6,031,904	A	2/2000	An et al. .... 379/201	6,784,900	B1	8/2004	Dobronsky et al.
6,034,652	A	3/2000	Freiberger et al. .... 715/730	6,816,880	B1	11/2004	Strandberg et al.
6,044,403	A	3/2000	Gerszberg et al. .... 709/225	6,819,343	B1	11/2004	Sobeski et al. .... 715/848
6,061,695	A	5/2000	Slivka et al. .... 707/513	6,819,345	B1	11/2004	Jones et al. .... 345/856
6,061,696	A	5/2000	Lee et al. .... 707/513	6,834,302	B1	12/2004	Harvell ..... 709/224
6,065,044	A	5/2000	Ogasawara	6,842,779	B1	1/2005	Nishizawa
6,088,717	A	7/2000	Reed et al. .... 709/201	6,879,994	B1	4/2005	Matsliach et al. .... 709/204
6,091,411	A	7/2000	Straub et al. .... 715/747	6,938,041	B1	8/2005	Brandow et al. .... 707/10
6,091,412	A	7/2000	Simonoff et al. .... 345/335	7,039,859	B1	5/2006	Sundaresan ..... 715/513
6,101,510	A	8/2000	Stone et al.	7,076,737	B2	7/2006	Abbott et al. .... 715/744
6,104,391	A	8/2000	Johnston, Jr. et al. .... 715/745	7,107,548	B2	9/2006	Shaftron
6,105,063	A	8/2000	Hayes, Jr. .... 709/223	7,216,300	B2	5/2007	Dang
6,115,040	A	9/2000	Bladow et al. .... 345/335	7,222,303	B2	5/2007	Oren et al. .... 715/744
6,128,655	A	10/2000	Fields et al. .... 709/219	7,356,569	B1	4/2008	Kembel et al.
6,133,916	A	10/2000	Bukszar et al.	7,574,649	B1	8/2009	Safars et al. .... 715/200
6,161,112	A	12/2000	Cragun et al.	7,660,868	B1	2/2010	Kembel et al. .... 709/217
6,177,936	B1	1/2001	Cragun	7,756,967	B1	7/2010	Kembel et al. .... 709/224
6,192,407	B1	2/2001	Smith et al. .... 709/229	7,792,947	B1	9/2010	Kembel et al. .... 709/224
6,199,082	B1	3/2001	Ferrel et al.	8,020,083	B1	9/2011	Kembel et al. .... 715/201
6,215,490	B1	4/2001	Kaply ..... 715/788	2001/0042107	A1	11/2001	Palm ..... 709/218
6,216,141	B1	4/2001	Straub et al. .... 707/513	2002/0065896	A1	5/2002	Burakoff et al. .... 709/206
6,230,173	B1	5/2001	Ferrel et al.	2002/0078136	A1	6/2002	Brodsky et al. .... 709/203
6,237,030	B1	5/2001	Adams et al.	2002/0089526	A1	7/2002	Buxton et al. .... 345/700
6,240,555	B1	5/2001	Shoff et al. .... 725/110	2002/0089536	A1	7/2002	Dang ..... 345/749
6,268,856	B1	7/2001	Bruck et al.	2002/0091697	A1	7/2002	Huang et al. .... 707/10
6,275,854	B1	8/2001	Himmel et al.	2002/0130900	A1	9/2002	Davis ..... 345/744
6,278,448	B1	8/2001	Brown et al. .... 345/333	2002/0161879	A1	10/2002	Richard ..... 709/223
6,278,449	B1	8/2001	Sugiarto et al. .... 715/826	2003/0051027	A1	3/2003	Aupperle et al. .... 709/224
6,286,034	B1	9/2001	Sato et al. .... 709/204	2003/0069944	A1	4/2003	Barlock et al. .... 709/220
6,289,362	B1	9/2001	Van Der Meer ..... 715/273	2004/0041836	A1	3/2004	Zaner et al. .... 345/751
				2004/0165007	A1	8/2004	Shaftron ..... 715/781
				2005/0273718	A1	12/2005	Naas ..... 715/745
				2008/0040681	A1	2/2008	Synsteliën et al. .... 715/765

2010/0235757 A1	9/2010	Kemmel et al.	715/745
2010/0257442 A1	10/2010	Kemmel et al.	715/234
2012/0117479 A1	5/2012	Kemmel 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/Ie/IE5/custom.asp](http://www.microsoft.com/Windows/Ie/IE5/custom.asp), Jan. 1999.

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

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

U.S. Appl. No. 60/153,917, filed Sep. 14, 1999, Franco et al.

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.

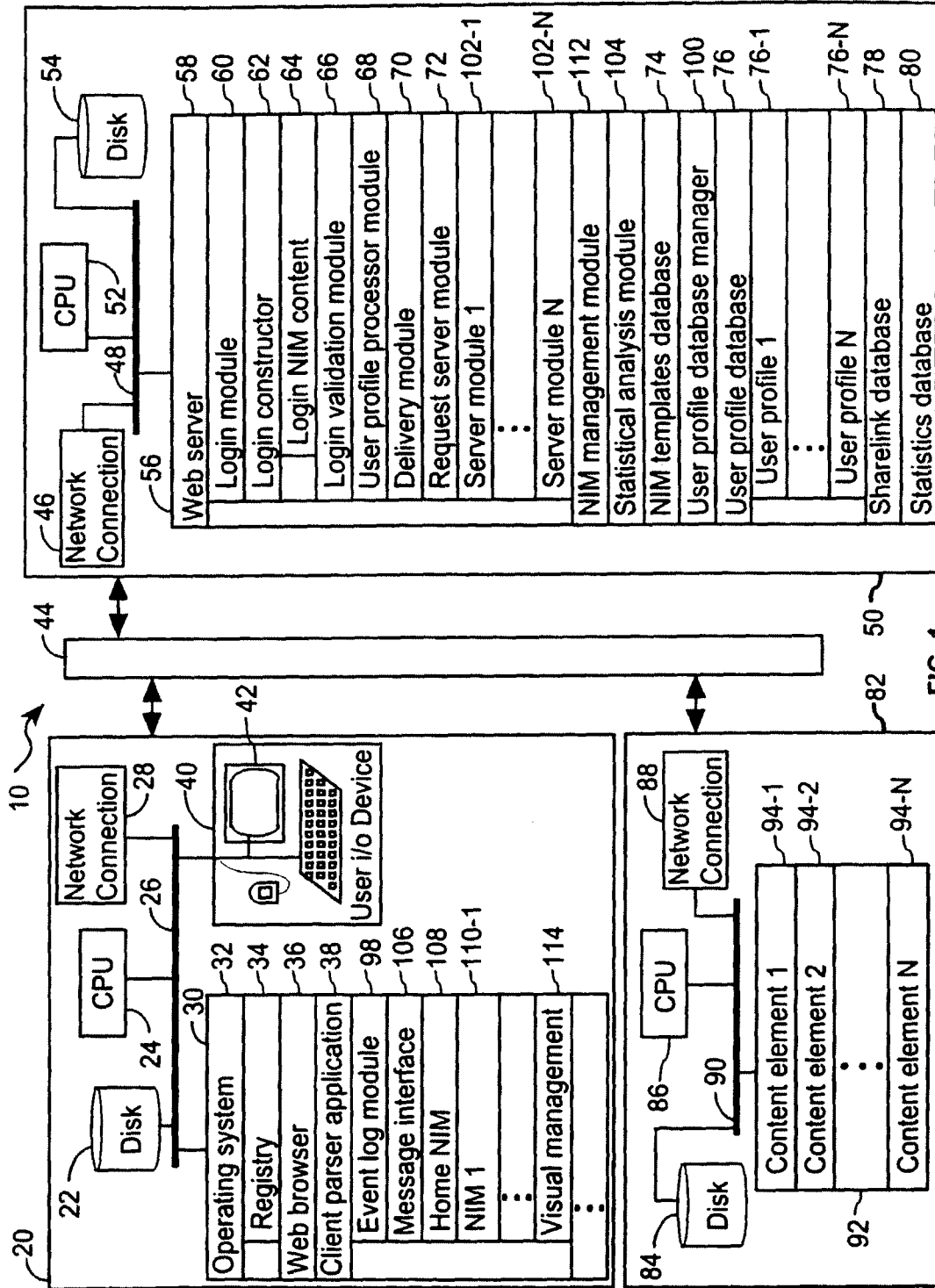
McCartney, Terrance Paul, "End-User Construction and Configuration of Distributed Multimedia Applications", *ProQuest Dissertations and Theses*, 1996, 197 pages.

"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: eeexplore.ieee.org/xpls/abs\\_all.jsp?arnumber=722228](http://www.eeexplore.ieee.org/xpls/abs_all.jsp?arnumber=722228), pp. 1-7 as printed.

\* cited by examiner



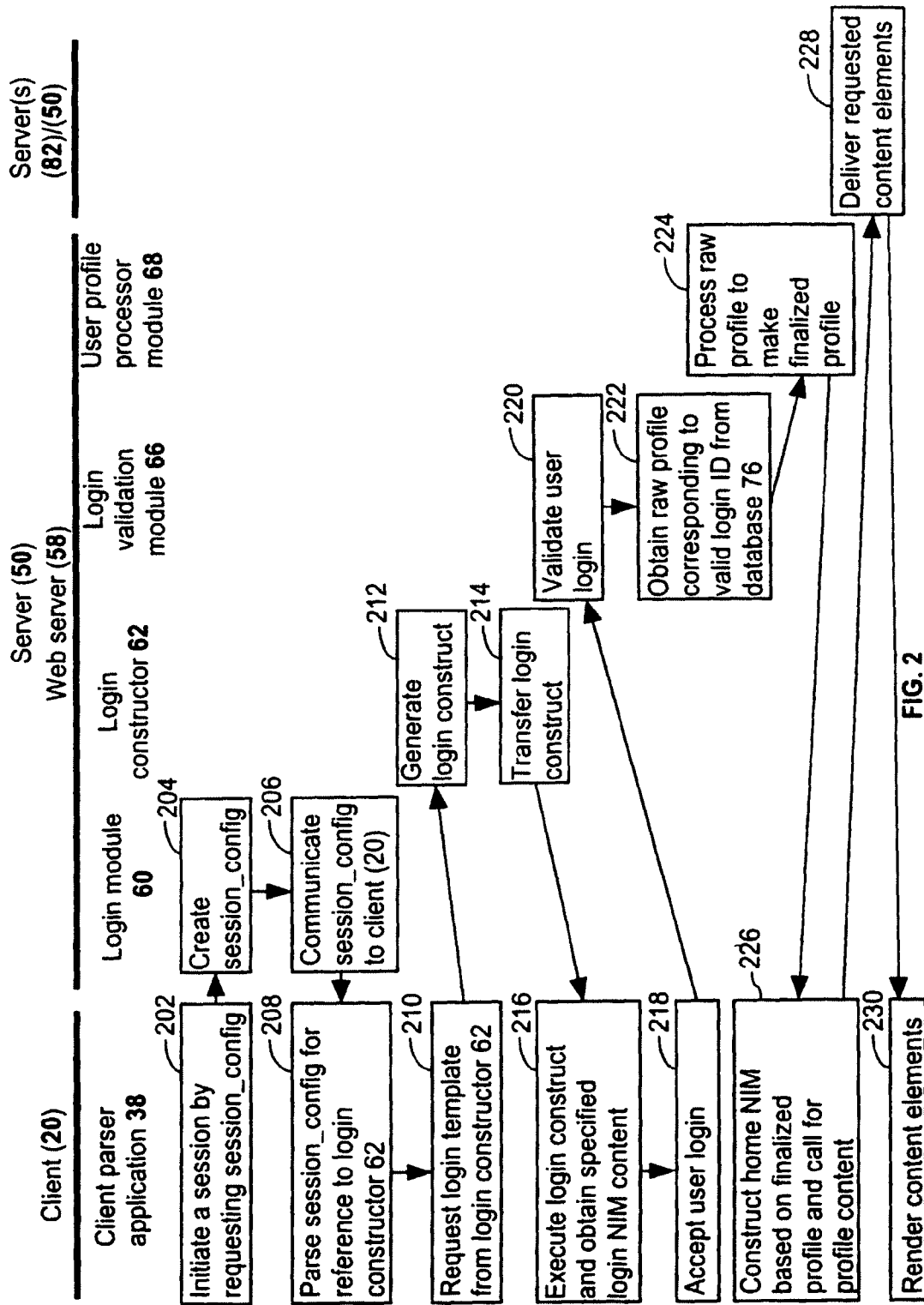


FIG. 2

# 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.