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(54) USER SPECIFIC AUTOMATIC DATA REDIRECTION SYSTEM

(71) Applicant: Linksmart Wireless Technology, LLC,

Pasadena, CA (US)

(72) Inventors: Koichiro Ikudome, Lomita, CA (US);

Moon Tai Yeung, Monrovia, CA (US)

(73) Assignee: LINKSMART WIRELESS

TECHNOLOGY, LLC, Pasadena, CA

(US)

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(56) References Cited

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

CA 2226814 A1 7/1998 CA 2226814 3/2003 (Continued)

OTHER PUBLICATIONS

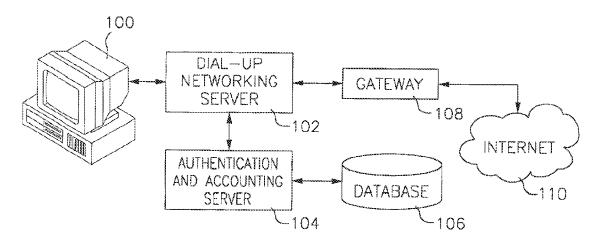
Hiden, R. et al.: Gateway Special Interest Group Meeting Notes; Request for comments \$98898, published in Apr. 1984. (Continued)

Primary Examiner — Jalatee Worjloh (74) Attorney, Agent, or Firm — Hershkovitz & Associates, PLLC; Abe Hershkovitz

(57) ABSTRACT

A data redirection system for redirecting user's data based on a stored rule set. The redirection of data is performed by a redirection server, which receives the redirection rule sets for each user from an authentication and accounting server, and a database. Prior to using the system, users authenticate with the authentication and accounting server, and receive a network address. The authentication and accounting server retrieves the proper rule set for the user, and communicates the rule set and the user's address to the redirection server. The redirection server then implements the redirection rule set for the user's address. Rule sets are removed from the redirection server either when the user disconnects, or based on some predetermined event. New role sets are added to the redirection server either when a user connects, or based on some predetermined event.

43 Claims, 1 Drawing Sheet





(56) References Cited			WO 98/03927 WO 98/26548	1/1998 6/1998
U.S. PATENT	DOCUMENTS	WO V	WO 99/57660 WO 00/16529	11/1999 3/2000
	Levergood et al.			
	Rosenberg et al. Toader et al.		OTHER PUE	BLICATIONS
	Toader			
	Templin et al.	Clark, D.: Po	licy routing in Inte	rnet Protocols; Request for com-
	Goldhaber et al.	ments 1102, p	published in May 19	989.
5,802,320 A 9/1998	Baehr et al.	Berners-Lee,	T et al.: Hyperte	ext Transfer Protocol—http/1.0,
	Birrell et al.	Request for c	omments 1945, pub	lished in May 1996.
7 7	Toader	English langu	age translation of th	e relevant portions of a Judgment
	Gifford	rendered on I	Patent No. EP 1 070	6 975 by the German Patent and
	Fortinsky Wong H04L 63/102	Trademark O	Office on Dec. 14,	2015 in the Action by Plaintiff
3,633,727 A 11/1996	370/230	Deutsche Tele	ekom AG.	•
5,845,267 A 12/1998		Aas, Gisle, M	faceachern, Doug, A	pache.pm, 18 pages; available at
	Radia H04L 63/102		oache.org/docs>.	
	726/13			of AT&T et al., Linksmart Wireless
5,850,517 A 12/1998	Verkler et al.		•	C, Inc., et al., Case Nos. (consoli-
	Goldhaber et al.			2:08-cv-00304-DF-CE, 2:08-cv-
	Boebert et al.			F-CE, U.S .District Court Eastern
	Schwob Willens			ion, 100 pages, Aug. 19, 2010.
	Berlin et al.			r Jury Trial, IP3 Networks, Inc. v.
	Gooderum et al.			85 DMS (POR), 48 pages (includ-
	Merriman et al.	ing Exhibits	1-3, Sep. 20, 200-	4, United States District Court,
	Stockwell H04L 63/02	Southern Dist	trict of California.	
5,956,697 A 9/1999				Nomadix Inc. to the Amended
	Wexler	Complaint, II	P <i>3 Networks, Inc.</i> v.	Nomadix, Inc., Case No. 04-cv-
5,963,915 A 10/1999				ed Oct. 21, 2004, United States
	Van Horne et al. Hind et al.		t, Southern District	
	Freund			ccess Cards: Instant ISP, pcworld.
	Griffiths		Jul. 14, 1997.	
	McCann et al.			redirect," dated Mar. 2, 1998,
	See et al.			document states that archive was
	Wong et al.		Dec. 9, 2003, 2 pag	
	He et al.			page at http://www.auricweb.com/ Jul. 12, 1999, including press
	Coss et al. Kenner et al.			An Exciting Debut, Dec. 10, 1998;
	Zhang et al.			cial Breaks" on the Web With Our
	Li et al.			8; Beyond Banner Ads, Beyond
6,154,775 A 11/2000	Coss et al.			ernet Advertisement Tool Make a
	Grube et al 455/414.1			B; Auric Web System announces
	Maria et al.			uric Web Systems announces ISP
	Coss et al. Brendel			uric Web Systems announces EC
	Lloyd et al.	Gateway, Jan		
6,223,209 B1 4/2001	Watson	Auric Web Sy	stems unveils softw	are to reduce the opening costs of
	Slemmer			release, Auric Web Systems, Inc.,
	Shannon		e, 2 pages, Mar. 25,	
6,233,686 B1 5/2001				te Customer Directly to a Specific
	Malkin		s release, Auric Wel	b Systems, Inc., 1 page, Nov. 24,
	Elliott, III Jin et al.	1997.	Danum "A Material	Davimatar with Casses Est1
	Applegate et al.			Perimeter with Secure External
	Slemmer et al.			mation Systems, Jan. 25, 1994. Dictionary, Microsoft Press, 4.ed.,
	Brothers	1999, p. 136.		of thomary, whereson tress, 4.ed.,
	Van Horne et al.			Filtered WWW Access, 12 pages;
6,466,976 B1 10/2002	Alles			VWW4/Papers/117, Fourth Inter-
6,636,894 B1 10/2003	Short et al.		d Wide Web Confe	
	Bector et al.			g Mobility in MosquitoNet, Pro-
	Farris et al.			echnical Conference, San Diego,
	Ikudome et al.	CA, 13 pages	s, Jan. 1996.	
2007/0294417 A1 12/2007	Ikudome et al.			cern like Pass/Fair proxy limits?;
FOREIGN PATENT DOCUMENTS		2 pages, available at http://www.squid-cache.org/mail-archive/squid-users/199611/0385.html (visited Feb. 1, 2005).		
DE 699 41 540 C5 6/2016 Berners-Lee, T. et al., Network Working Group, Request for				
EP 0 811 939 A2	12/1997		• •	fer Protocol—HTTP/1.0," May
EP 0854621	7/1998	1996; 60 page		in Constant Dickii
EP 0854621 A	* 7/1998			im Construction Brief, Linksmart
GB 2316841	3/1998			as, Marshall Division, Case No.
WO WO 96/05549	2/1996	Court Of Eds	tern District Of Tex	ao, maionan Division, Case No.



(56) References Cited

OTHER PUBLICATIONS

Blankers, "Network solutions for Internet access servers," 12 pages; Ericsson Review, Internet Access Servers 1998.

Boutell, "CGI Programming in C & Perl," 7 pages; 1996.

Braden, B. Postel, J., Requirements for Internet Gateways, Jun. 1987; 50 pages; Network Working Group, Request for Comments 1009.

Buying Made Easy: Auric Web Bypasses Credit Cards, Internet Week, 1 page, Feb. 17, 1997.

"Campus World," Presentation by Phil Moore, 1998, 15 pages. Carl-Mitchell, Smoot, Quaterman, John, S., Using ARP to Implement Transparent Subnet Gateways; Oct. 1987; 8 pages, Network Working Group, Request for Comments 1027.

Chapman and Zwicky, Building Internet Firewalls O'Reilly & Associates, 1995.

Chatel, M., Classical Versus Transparent IP Proxies; Mar. 1996; 32 pages, Network Working Group, Request for Comments 1919. Cisco 2500 Access Server Series, Data Sheet, Cisco Systems, 5

pages, Sep. 1997. Cisco 2509-2512 Series Access Servers, Product Announcement, I.D. No. 027ALL, Cisco Systems, 8 pages, undated (1995 copyright

Cisco 6510 Service Selection Gateway, End of Sale Announcement, End-of-Life Notice No. 1135, Cisco Systems, 4 pages, Apr. 2005. Cisco 6510 Service Selection Gateway Version 1.0(2), Release Notes, Doc. No. 78-5181-03, Cisco Systems, 6 pages, undated (1998 copyright notice).

Cisco Announces DSL Service Creation and Control Platforms: Enables Service Providers to Create Differentiated Internet Services on a Per-Use Basis, press release, Cisco Systems, 2 pages, May 26, 1998

Cisco Internetworking Technologies Handbook, Chapter 15, entitled Dial-up Technology, Cisco, pp. 1-12.

Cisco Secure ACS 2.1(4), for Windows NT, Release Notes, Doc. No. 78-5462-01 Rev. A0, Cisco Systems, 6 pages, Jun. 15, 1998. "ChoiceNet Administrator's Guide," Livingston Enterprises, 88 pages, Jan. 1997.

Claim Construction Brief of Defendants of *Linksmart Wireless Technologies, Inc.* v. *T-Mobile USA, Inc. et al.*, U.S. District Court for the Eastern District of Texas, Marshall Division, Case No. 2:08-cv-000264-DF-CE, filed Apr. 16, 2010, pp. 1-39.

Complaint, Demand for Jury Trial; *IP3 Networks, Inc.* v. *Nomadix, Inc.*, Case No. 04-cv-1485 DMS (POR); 48 pages, filed Jul. 23, 2004, United States District Court, Southern District of California. Connoly et al., Database Systems: A Practical Approach to Design, Implementation, and Management, 3.ed., Addison-Wesley, 2002, p. 72

Corner, Internetworking with TCP/IP, 3rd ed., vol. 1, cover, title page, p. 46 (3 pages) 1995.

D. Carrel, L. Grant, "TACACS+ Protocol Version 1.75," 40 pages, Internet Draft (TACACS+)/RFC1492, Cisco Systems, Oct. 1996. Declaration of Kevin Jeffay, Ph.D., *Linksmart Wireless Technology, LLC v. T-Mobile USA, Inc. et al.*, District Court of the Eastern District of Texas, Marshall Division, Case No. 2:08-cv-000264-DF-CF, filed Apr. 16, 2010, pp. 1-21 (including Exhibit A).

Declaration of Kevin Jeffay, Ph.D., *Linksmart Wireless Technology, LLC* v. *T-Mobile USA, Inc. et al.*, District Court of the Eastern District of Texas, Marshall Division, Case No. 2:08-cv-000264-DF-CF, filed Apr. 16, 2010, pp. 1-53 (including Exhibit A-C).

Declaration of Noah A. Levine in Support of Claim Construction Brief of Defendants, *Linksmart Wireless Technology, LLC* v. *T-Mobile USA, Inc. et al.*, District Court of the Eastern District of Texas, Marshall Division, Case No. 2:08-cv-000264-DF-CF, filed Apr. 16, 2010, pp. 1-131 (including exhibits 1-9).

Defendants' Patent Local Rule 4-2 Preliminary Constructions and Extrinsic Evidence of *Linksmart Technology, LLC* c. *T-Mobile USA, Inc. et al.*, U.S. District Court for the Eastern District of Texas,

Dial-up Networking and Mobile Computing: The Basics, Microsoft TechNet, available at http://technet.microsoft.com/en-us/library/cc751107(printer).aspx on Jan. 21, 2010; pp. 1-26.

Dominik, Internet post: "redirect," dated Nov. 30, 1997, as archived at www.squid-cache.org, document states that archive was generated on Dec. 9, 2003, 1 page.

Douglas Comer, Internetworking with TCP/IP, 3.ed., 1995.

Droms, R., Dynamic Host Configuration Protocol, Network Working Group, Request for Comments 1531, 35 pages, Oct. 1993.

Droms, R., Dynamic Host Configuration Protocol, Network Working Group, Request for Comments 2131, 43 pages, Mar. 1997.

Duane Wessels, Squid and ICP: Past, Present and Future, Aug. 16, 1997; 15 pages.

Egevang, K., Francis, P., The IP Network Address Translator (NAT); May 1994; 9 pages, Network Working Group, Request for Comments 1631.

Elmasri et al., Fundamentals of Database Systems, 2.ed., Addison-Wesley, 1994.

Ex Parte Linksmart Wireless Technology, LLC, No. 2011-009566 (B.P.A.I., Aug. 23, 2011).

Felton, E. W., et al., Wob Spoofing: An Internet Con Game, Technical Report 540-96 (Revised Feb. 1997), Department of Computer Science, Princeton University, 1996, 1997, 9 pages.

Fiedler, D., et al., Dr. Website: Using META Tags for Identification and Control of Pages, http://www.webdeveloper.com/drweb/19971103-drweb.html, Nov. 3, 1997; 4 pages.

First Supplemental Invalidity Contentions of AT&T et al., Linksmart Wireless Technology, LLC v. T-Mobile, LLC, Inc., et al., Case Nos. (consolidated) 2:08-cv-00264-DF-CE, 2:08-cv-00304-DF-CE, 2:08-cv-00385-DF-CD, 2:09-cv-00026-DF-CE, U.S. District Court Eastern District of Texas, Marshall Division, 82 pages, Mar. 25, 2010.

First Supplemental Invalidity Contentions of *Cisco Systems, Inc. et al., Linksmart Wireless Technology, LLC v. T-Mobile, LLC, Inc., et al.,* Case Nos. (consolidated) 2:08-cv-00264-DF-CE, 2:08-cv-00304-DF-CE, 2:08-cv-00304-DF-CE, 2:08-cv-00305-DF-CD, 2:09-cv-00026-DF-CE, U.S. District Court Eastern District of Texas, Marshall Division, 91 pages, May 17, 2010.

George, Mike, Hardware Hustle hits the Classroom, 3 pages, The Independent, May 20, 1996.

Grice, Corey, Comcast launches broadband portal, news.cnet.com, 3 pages, Jan. 4, 1999.

Guido Appenzeller, Mema Roussopoulos and Mary Baker, User-Friendly Access Control for Public Network Ports, 8 pages, IEEE Transactions, Mar. 1999.

Hornig, Charles, A Standard for the Transmission of IP Diagrams over Ethernet Networks; Apr. 1984; 3 pages, Network Working Group, Request for Comments 894.

Housel and Lindquist, WebExpress: A System for Optimizing Web Browsing in a Wireless Environment, 10 pages; Proceedings of the Second Annual International Conference on Mobile Computing and Networking; Nov. 1996.

How to Determine the Version of Windows 95/98/Me in Use, May 12, 2007; Microsoft, available at http://support.microsoft.com/kb/158238; Jan. 21, 200 (4 pages).

Iain Langdon, Education for Changing Times—An Online Learning Framework, 3 pages, WebNet 96, Oct. 15-19, 1996.

Ikudome et al., User Specific Automatic Web Redirection System, Technical Innovation Report, *Auric Web Systems*, Aug. 14, 1997, 8 pages.

Information Science Institute, Internet Protocol, DARPA Internet Program, Protocol Specification, Sep. 1981, 49 pages, available at http://www.faqs.org/rfcs/rfc791.html (visited Feb. 1, 2005).

Interactive Media Works and Netcom Incorporate NetCruiser Software and Internet Access with sampleNET, press release, Interactive Media Works, LLC, 1 page, Feb. 5, 1996.

Interactive Media Works Brings Web Browsing to Pre-Paid Phone Cards with the sampleNET Card, press release, Interactive Media Works, LLC, 2 pages, Feb. 13, 1996.

International Telecommunication Union, Telecommunication Stan-



(56) References Cited

OTHER PUBLICATIONS

Invalidity Contentions of AT&T et al., Linksmart Wireless Technologies, Inc. v. T-Mobile USA, Inc. et al., District Court of the Eastern District of Texas, Marshall Division, Case Nos. (consolidated) 2:08-cv-000264-DF-CE, 2:08-cv-000304-DF-CE, 2:08-cv-000385-DF-CE, 2:09-cv-00026-DF-CE, Oct. 8, 2009, 754 pages (including appendixes A-C).

Invalidity Contentions of *T-Mobile USA, Inc., Linksmart Wireless Technologies, Inc.* v. *T-Mobile USA, Inc. et al.,* District Court of the Eastern District of Texas, Marshall Division, Case Nos. (consolidated) 2:08-cv-000264-DF-CE, 2:08-cv-000304-DF-CE, 2:08-cv-000385-DF-CD, 2:09-cv-00026-DF-CE, Oct. 8, 2009, 325 pages (including appendixes A).

Kostick, Building a Linux Firewall, 9 pages, Linux Journal, Apr. 1996 (accessed at http://delivery.acm.org/10.1145/330000/3255560).

Kostick, Chris, System Administration: IP Masquerading Code Follow-up, Linux Journal, (accessed at http://delivey.acm.org/10. 1145/330000/327059/), 14 pages, Nov. 1997.

Levene et al., A Guided Tour of Relational Databases and Beyond, Springer, 1999, pp. 1-12.

Leveridge, Phil C., CampusWorld and BT's On-Line Education Services, 6 pages; BT Technology Journal, v.15, No. 2, Apr. 1997. Linksmart Wireless Technology, LLC Disclosure for Asserted Claims and Infringement Contentions Against Defendants.

Linksmart Marksman Brief, Weiss Declaration and Exhibits.

Linksmart Opening Claim Construction Brief, *Linksmart Wireless Technology, LLC v. T-Mobile, LLC, Inc., et al.,* Case Nos. (consolidated) 2:08-cv-00264-DF-CE, 2:08-cv-00304-DF-CE, 2:08-cv-00385-DF-CD, 2:09-cv-00026-DF-CE, U.S. District Court Eastern District of Texas, Marshall Division, 91 pages, May 17, 2010.

"Livingston ChoiceNet—How it Works," www.livingston.com/ Marketing/Products/choicenet_H1W.shtml, retrieved from <web. archibve.org> purportedly archived on Apr. 30, 1997; 1 page.

Loon et al., Alleviating the Latency and Bandwidth Problems in WWW Browsing, 13 pages, Proceedings of the USENIX Symposium on Internet Technologies and Systems, Monterey, California, Dec. 1977.

Lopez, Bryan S., An Investigation and Assessment of Linux IPChains and Its Vulnerability with Respect to Network Security, Thesis, Naval Postgraduate School, Monterey, CA, 136 pages, Jun. 2000.

Luotonen, Arj, Altis, Kevin, World-Wide Web Proxies; Apr. 1994; 8 pages.

Maceachern, Doug, Apachel/Perl Integration Project; README; 2 pages, available at http://apache.perl.org, http://www.ping.de/~fdc/mod_perl.

¹Major Telecom Company launches Education Internet Service for Schools," 3 pages, Learning in a Global Information Society, Sep. 20, 1995.

Make users go thru login, Available at http://www.microsoft.public.inetserver.iis.activeserverpages.html (visited Oct. 5, 2005 but including items dated Jan. 19, 1998); 2 pages.

Malkin, Comprehensive Networking Glossary and Acronym Guide 47, 1995.

Malkin, Comprehensive Networking Glossary and Acronym Guide, 1995, title page, preface, pp. 46-47, 114-115, 154-155 (4 pages). "Max 6000 Series Administration Guide," Ascend Communications, Inc., 428 pages (copyright notice 1998).

"Max 6000 Series Hardware Installation Guide," Ascend Communications, Inc., 159 pages (copyright notice 1998).

"Max 6000 Series Network Configuration Guide," Ascend Communications, Inc., 523 pages (copyright notice 1998).

"Max 800 Series Administration Guide," Ascend Communications, Inc., 286 pages (copyright notice 1998).

"Max 800 Series Hardware Installation Guide," Ascend Communications, Inc., 51 pages (copyright notice 1998).

"Max Glossary," Ascend Communications, Inc., 226 pages (copyright notice 1998).

"Max Radius Configuration Guide," Ascend Communications, Inc., 556 pages, (copyright notice 1998).

"Max Reference Guide," Ascend Communications, 307 pages (copyright notice 1998).

"Max Security Supplement," Ascend Communications, 176 pages (copyright notice 1998).

"Max T1/PRI Radius Supplement," Ascend Communications, Inc., 82 pages, 1996.

Memorandum and Order [regarding claim construction issues], Linksmart Wireless Technology, LLC v. T-Mobile, LLC, Inc., et al., Case Nos. 2:08-cv-00264-DF-CE, U.S. District Court Eastern District of Texas, Marshall Division, 23 pages, Jun. 30, 2010.

Microsoft Windows NT Server Resource Kit, Version 4.0, Supplement One, Microsoft Press, 1997, pp. 88-89.

Microsoft Windows NT Workstation Resource Kit: Comprehensive Resource Guide and Utilities for Windows NT Workstation Version 4.0, Microsoft Press, 1996, pp. 1023-1025.

Mockapetris, P., Domain Names—Implementation and Specification, Network Working Group, Request for Comments 1035; 52 pages, Nov. 1987.

Mockapetris, P., Domain Names—Concepts and Facilities, Nov. 1987, 49 pages, Network Working Group, Request for Comments 1034

Mod_perl.c; Copyright; 1995-1997 The Apache Group; 20 pages. NavisConnect User's Guide, Ascend Communications, 46 pages (copyright notice 1998).

"New Internet Card Offers Free Access," 3 pages; The Yomiuri Shimbun/Daily Yomiuri, Sep. 29, 1998.

Newton, Newton's Telecom Dictionary, Telecom Books and Flatiron Publishing, 10.ed., Jan. 1998, cover, title page, p. 194 (3 pages). Newton, Newton's Telecom Dictionary, Telecom Books and Flatiron Publishing, 10.ed., Jan. 1998, p. 208.

Nordstrom, Henrik, Internet post: Re: redirect, dated Mar. 2, 1998, as archived at www.squid-cache.org, document states that archive was generated on Dec. 9, 2003; 1 page.

ODN Web Card, available at http://www.asahi.com/ad/clients/tsuuhan/entry.html, 1 page, Mar.-Apr. 1998, Japan (in Japanese).

PC Work, article with picture of ODN Web Card, 1 page, Dec. 1998, Japan (in Japanese).

Person et al., Using Windows 95, Platinum Edition, Que Corporation, 1996, pp. 205 (7 pages).

Phone Cards and the Internet: A Profitable Link, Intele-Card News, 2 pages, Mar. 1996.

Plaintiff/Counter Defendant IPE Networks Inc.'s Reply to Defendant Nomadix Inc.'s Counterclaim; *IP3 Networks, Inc.* v. *Nomadix, Inc.*, Case No. 04-cv-1485 DMS (POR); 8 pages, Nov. 15, 2004, United States District Court, Southern District of California.

Plummer, David C., An Ethernet Address Resolution Protocol or Converting Network Protocol Addresses to 48.bit Ethernet Address for Transmission on Ethernet Hardware; Nov. 1982; 8 pages, Network Working Group, Request for Comments 826.

Poger et al., Secure Public Internet Access Handler (SPINACH), Proceedings of the USENIX Symposium on Internet Technologies and Systems, Monterey, California, Dec. 1997; 12 pages.

Pop Go The Ads with Auric Systems Software, The Los Angeles Times, 1 page, Jan. 4, 1999.

Postel, J., Multi-Lan Address Resolution, Oct. 1984; 14 pages, Network Working Group, Request for Comments 925.

Prepaid Internet Access Cards, Card Track Online, www.ramresearc.com/cardtrak/news/cf7_14f_97.html>, 1 page, Jul. 14, 1997.

Prepaid Web-Surfing Cards Now Available for Easy Internet Access From PCs and Video Game Boxes, press releases, Seer Technologies Inc., Business Wire, 2 pages, Oct. 8, 1996.

"Proxy Server Version 2.0: Reviewer's Guide," 88 pages, 1997. Request for Comments 2138, Internet Engineering Task Force, Apr. 1997.



(56) References Cited

OTHER PUBLICATIONS

Rigney et al., Request for Comments 2138, Remote Authentication Dial in User Service (RADIUS), Apr. 1997, The Internet Engineering Task Force (IETF), The RFC Editor.

Rigney, C., Radius Accounting, Network Working Group, Request for Comments 2139, Apr. 1997; 25 pages.

Russell, Rusty, Linux IPChains-Howto, v.1.0.8, 55 pages, Jul. 4, 2000.

"SampleNET Products," <samplenet.com>, retrieved from <web. archive.org>, purportedly archived on Apr. 4, 1997; 2 pages.

Sclater, Neil, Markus, John, McGraw-Hill Electronics Dictionary, 6.ed., 1997, cover, title pages (2), pp. 110, 119 (5 pages).

S.D. Hubbard et al., Firewalling the Net, 13 pages, BT Technology Journal, v.15, No. 2, Apr. 1997.

Second Supplemental Invalidity Contentions of Cisco Systems, Inc. et al., Linksmart Wireless Technology, LLC v. T-Mobile, LLC, Inc., et al., Case Nos. (consolidated) 2:08-cv-00264-DF-CE, 2:08-cv-00304-DF-CE, 2:08-cv-00385-DF-CD, 2:09-cv-00026-DF-CE, U.S. District Court Eastern District of Texas, Marshall Division, 11 pages, Aug. 19, 2010.

Simpson, et al. (eds.), Oxford English Dictionary, Clarendon Press, 2.ed., v.3, 1998, pp. 514-515.

Simpson, et al. (eds.), Oxford English Dictionary, Clarendon Press, 2.ed., v.7, 1998, p. 881.

Squid: Optimizing Web Delivery, squid.cache.org, 1 page, Aug. 25, 2009.

Stewart, John N., Working with Proxy Servers, Mar. 1997, pp. 19-22, WebServer Magazine.

Stuart Elliot, The Media Business: Advertising—Addenda; Interactive Media Begins Samplenet, 1 page, The New York Times, Jul. 17, 1995.

 $\label{thm:com/services_about.} T-Mobile \ \ HotSpot, \ \ http://hotspot.t-mobile.com/services_about. \\ htm, viewed Jan. 5, 2009.$

The ChoiceNet[™] Administrator's Guide, Livingston Enterprises, 88 pages, Jan. 1997.

Trendy, article on second page with picture of Japan Telecom ODN Web Card, 2 pages, May 1998, Japan (in Japanese).

Various authors, www.aquid.cache.org; 4 pages.

Videotaped Deposition of Koichiro Ikudome, Mar. 4, 2010, pp. 1, 238 and 239.

Welsh, Implementing Loadable Kernal Modules for Linux, Dr. Dobb's Software Tools for the Professional Programmer, May 1995 (accessed at http://www.ddj.com); 9 pages.

Wessels, D., Squid Proxy Server Configuration File 1.932.2 TAG deny_info; Mar. 1997, 19 pages, available at http://www.squid-cache.org/mail-archive/squid-users/199703/att-0250/squid.conf; (visited Feb. 1, 2005).

Windows History: Windows Desktop Timeline, Jun. 30, 2003; available at http://www.microsoft.com/windows/WinHistoryProGraphic.mspx on Jan. 21, 2010, Microsoft, pp. 1-2.

* cited by examiner



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