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(12) **United States Design Patent** (10) **Patent No.:** **US D539,297 S**
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(54) **USER INTERFACE FOR AN ELECTRONIC TRADING SYSTEM FOR A COMPUTER SCREEN**

FOREIGN PATENT DOCUMENTS

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WO	WO 90/11571	10/1990
WO	WO 99/19821	4/1999
WO	WO 00/52619	9/2000
WO	WO 01/16852 A2	3/2001
WO	WO 01/22315 A2	3/2001
WO	WO 03/090032	10/2003
WO	WO 03/107121	12/2003

(**) Term: **14 Years**

OTHER PUBLICATIONS

“CATS Project Notice—79—3”, CATS Traders’ Manual, The Toronto Stock Exchange, Mar. 15, 1979.
Grummer E.m. et al., “Preliminary Feasibility Study for BERMUDEX (Ltd.) An Automated International Exchange for Bermuda”, Nov. 1980, pp. 1–127, Hamilton, Bermuda.
“Functional Specifications Intex”, Intex, Aug. 1981, pp. 1–52.

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(Continued)

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(52) **U.S. Cl.** **D14/485**

(58) **Field of Classification Search** D14/485–493;
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715/807, 788–790; 345/619, 440

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See application file for complete search history.

(57)

CLAIM

The ornamental design for a user interface for an electronic trading system for a computer screen, as shown and described.

(56) **References Cited**

DESCRIPTION

U.S. PATENT DOCUMENTS

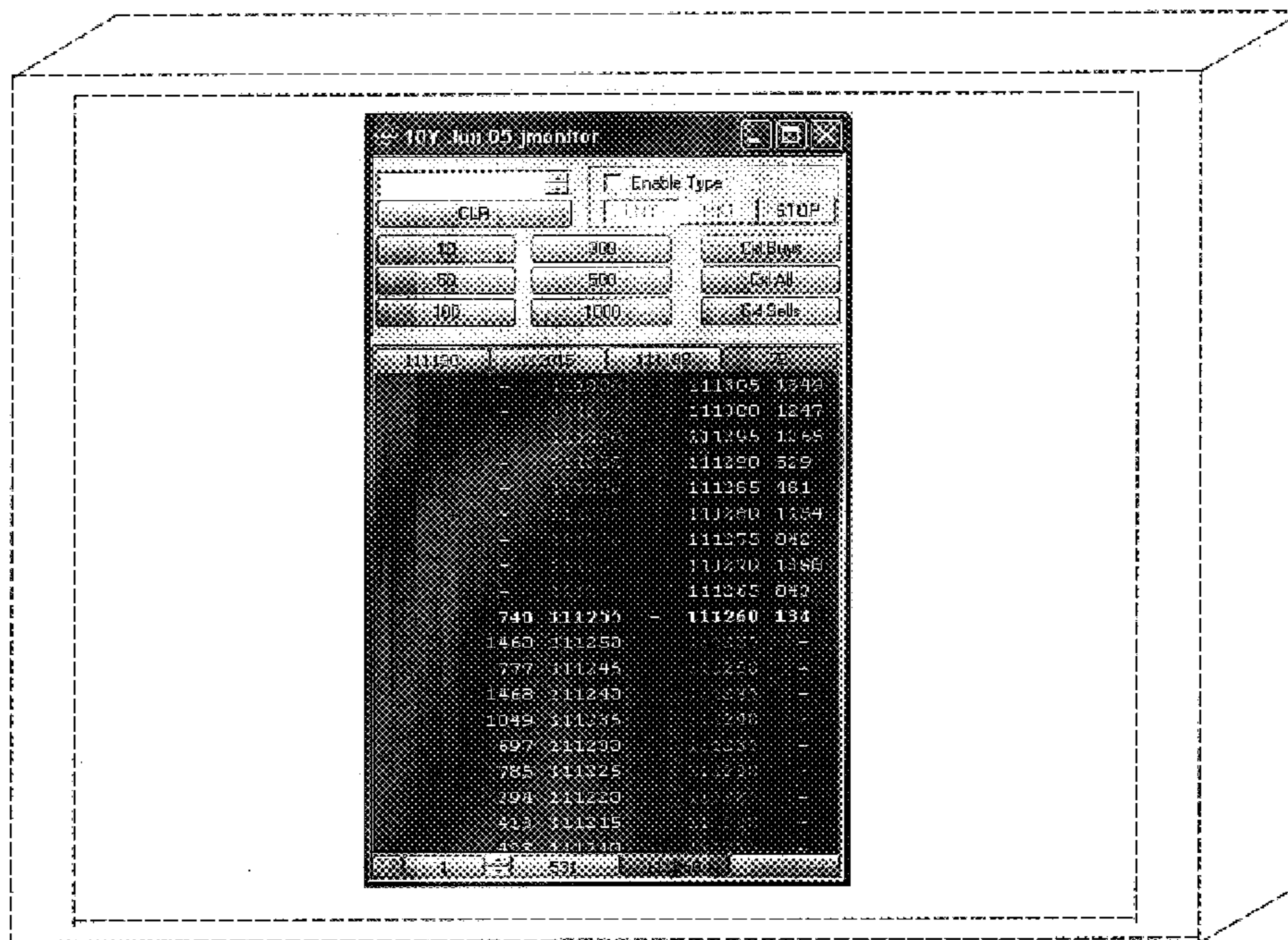
4,483,364 A	11/1984	Ayler
4,756,154 A	7/1988	Minardi et al.
5,024,058 A	6/1991	Shekleton et al.
5,136,501 A	8/1992	Silverman et al.
5,297,031 A	3/1994	Gutterman et al.

The single FIGURE is a front view of a user interface for an electronic trading system for a computer screen.

The subject matter shown in broken line represents unclaimed environmental structure which is shown for illustrative purposes and forms no part of the claimed design.

(Continued)

1 Claim, 1 Drawing Sheet



U.S. PATENT DOCUMENTS

5,600,774	A	*	2/1997	Spohrer	.....	345/474
5,696,914	A	*	12/1997	Nahaboo et al.	.....	715/763
5,712,994	A	*	1/1998	Jefferson et al.	.....	715/788
5,799,151	A		8/1998	Hoffer		
5,835,896	A		11/1998	Fisher et al.		
5,999,664	A	*	12/1999	Mahoney et al.	.....	382/305
6,014,627	A		1/2000	Togher et al.		
6,014,643	A		1/2000	Minton		
6,058,379	A		5/2000	Odom et al.		
6,115,698	A		9/2000	Tuck et al.		
6,211,880	B1		4/2001	Impink, Jr.		
6,252,593	B1	*	6/2001	Gti	.....	715/781
6,288,716	B1	*	9/2001	Humpleman et al.	.....	715/733
6,330,007	B1	*	12/2001	Isreal et al.	.....	715/762
6,343,278	B1		1/2002	Jain et al.		
6,369,841	B1	*	4/2002	Salomon et al.	.....	715/854
6,408,282	B1		6/2002	Buist		
6,418,419	B1		7/2002	Nieboer et al.		
6,493,507	B2		12/2002	Salyer		
6,523,045	B1	*	2/2003	Beatty	.....	707/104.1
6,560,580	B1		5/2003	Fraser et al.		
6,766,304	B2		7/2004	Kemp, II et al.		
6,772,132	B1		8/2004	Kemp, II et al.		
6,810,017	B1	*	10/2004	Leong et al.	.....	370/241
6,850,907	B2		2/2005	Lutnick et al.		
6,938,011	B1		8/2005	Kemp et al.		
6,993,504	B1		1/2006	Friesen et al.		
6,996,295	B2	*	2/2006	Tyan et al.	.....	382/305
7,065,714	B1	*	6/2006	Theel et al.	.....	715/781
2002/0002528	A1	*	1/2002	Terada et al.	.....	705/37
2002/0023038	A1		2/2002	Fritsch et al.		
2002/0026404	A1	*	2/2002	Thompson	.....	705/37
2002/0035534	A1	*	3/2002	Buist et al.	.....	705/37
2002/0038279	A1	*	3/2002	Samuelson et al.	.....	705/37
2002/0055901	A1	*	5/2002	Gianakouros et al.	.....	705/37
2002/0059131	A1	*	5/2002	Goodwin et al.	.....	705/37
2002/0087451	A1	*	7/2002	Rieger et al.	.....	705/37
2002/0099644	A1		7/2002	Kemp et al.		
2002/0107774	A1	*	8/2002	Henninger et al.	.....	705/37
2002/0107782	A1	*	8/2002	Greenberg et al.	.....	705/37
2002/0116314	A1	*	8/2002	Spencer et al.	.....	705/37
2002/0128955	A1	*	9/2002	Brady et al.	.....	705/37
2002/0138399	A1	*	9/2002	Hayes et al.	.....	705/37
2002/0138400	A1	*	9/2002	Kitchen et al.	.....	705/37
2002/0138401	A1		9/2002	Allen et al.		
2002/0143690	A1		10/2002	Mahajan et al.		
2002/0161690	A1	*	10/2002	McCarthy et al.	.....	705/37
2002/0194115	A1	*	12/2002	Nordlicht et al.	.....	705/37
2002/0198815	A1	*	12/2002	Greifeld et al.	.....	705/37
2003/0004852	A1	*	1/2003	Burns	.....	705/37
2003/0004853	A1		1/2003	Ram et al.		
2003/0009411	A1		1/2003	Ram et al.		
2003/0023536	A1	*	1/2003	Hollerman et al.	.....	705/37
2003/0046219	A1	*	3/2003	Rosedale et al.	.....	705/37
2003/0069836	A1	*	4/2003	Penney et al.	.....	705/37
2003/0078889	A1	*	4/2003	Lee et al.	.....	705/51
2003/0083973	A1	*	5/2003	Horsfall	.....	705/37
2003/0083976	A1	*	5/2003	McLister	.....	705/37
2003/0093362	A1	*	5/2003	Tupper et al.	.....	705/37
2003/0093363	A1	*	5/2003	Horsfall et al.	.....	705/37
2003/0097325	A1		5/2003	Friesen et al.		
2003/0115130	A1	*	6/2003	Stump	.....	705/37
2003/0154151	A1	*	8/2003	Biondi et al.	.....	705/37
2003/0154158	A1	*	8/2003	Martyn et al.	.....	705/37
2003/0182206	A1	*	9/2003	Hendrix et al.	.....	705/26
2003/0200167	A1	*	10/2003	Kemp et al.	.....	705/37
2003/0229565	A1	*	12/2003	Reddi et al.	.....	705/37
2003/0229571	A1	*	12/2003	May	.....	705/37
2003/0233307	A1	*	12/2003	Salvadori et al.	.....	705/37
2003/0233309	A1	*	12/2003	Matus et al.	.....	705/37

2003/0233314	A1	*	12/2003	Kokis et al.	.....	705/37
2004/0015430	A1	*	1/2004	May	.....	705/37
2004/0015431	A1	*	1/2004	May	.....	705/37
2004/0030634	A1	*	2/2004	Satow et al.	.....	705/37
2004/0030635	A1	*	2/2004	Marigliano	.....	705/37
2004/0039678	A1	*	2/2004	Fralic	.....	705/37
2004/0054614	A1	*	3/2004	Tell et al.	.....	705/37
2004/0059662	A1	*	3/2004	Stark	.....	705/37
2004/0068460	A1	*	4/2004	Feeley et al.	.....	705/37
2004/0070624	A1		4/2004	Fushimi et al.		
2004/0078317	A1	*	4/2004	Allen et al.	.....	705/37
2004/0103054	A1		5/2004	Singer		
2004/0117292	A1		6/2004	Brumfield et al.		
2005/0125328	A1		6/2005	Schluetter		
2005/0192887	A1		9/2005	Triplett		
2006/0015436	A1		1/2006	Bums et al.		
2006/0037038	A1		2/2006	Buck		

OTHER PUBLICATIONS

“Free form order entry would use the following syntax . . .”, Intex Document (Keystroke Description), 1982.

“How are Markets Displayed?”, Intex Document (Market Display Description), 1982.

“Terminal Key Strokes and special keys . . .”, Intex Document, 1982, pp. 1-5.

“Proposed Screen Formats”, Intex, Jun. 1982, pp. 1-3.

Figures: Market Summary, Single Contract Month, Spreads, Trading Screen, Jan. 4, 1983.

“Intex Trading Screens”, 1983, two pages.

“Late but hopeful, Intex looks for summer start up”, Intex, Futures World, Jun. 4, 1984, pp. 1-3.

“Automated trading works: now for the next hurdle”, Automation, Futures World, Nov. 22, 1984, pp. 1-3.

“MEFF Screen Shot”, MEFF, 1985.

Hakansson et al., “On the Feasibility of Automated Market Making by a Programmed Specialist”, The Journal of Finance, Mar. 1985, vol. 40, No. 1, pp. 1-20.

Mazzella D.P., “Workstations for financial services professionals”, Wall Street Computer Review, May 1986, vol. 3, No. 8, pp. 51, 52, 54-56 and 58.

Jouzaitis C., “Tiny Intex still awaits big break”, Chicago Tribune, Jul. 13, 1987, Sec. 4, p. 3.

Schmerken I., “How Computer Assisted Trading is Making the Toronto Stock Exchange Purr”, Wall Street Computer Review, Dec. 1987, pp. 71-78, 97.

Landis, “Multi-Talented System Opens Windows for Trader’s World”, Wall Street Computer Review, Apr. 1988, pp. 86-89, 93.

Hill et al., “Equity Trading, Program Trading, Portfolio Insurance, Computer Trading and All That”, Financial Analysts Journal, Jul.-Aug. 1988, vol. 44, No. 4, pp. 29-38.

“Chicago Mercantile Exchange”, Globex, Mar. 30, 1989, pp. 1-15.

“Annual Report 1989”, The Tokyo International Financial Futures Exchange (TIFFE), 1989, cover page.

Penrose P., “Breathing Liffe into futures”, Banking Technology, Apr. 1989, pp. 46-47.

Matthew, “OTC Success Spurs Specialized Trading Systems”, Wall Street Computer Review, Sep. 1989, pp. 26-28, 32, 34, 36 and 38.

Bucken M., “Stock traders ponder ‘Make’ or ‘Buy’ choice”, Software Magazine, Dec. 1989, vol. 9, No. 15, pp. 75-77.

“Aurora”, Chicago Board of Trade, 1990.

“Broker Workstation”, Chicago Board of Trade, 1990.

- Dator J., "Futures of Japan", 4th Annual Asia-Pacific Studies Forum, Apr. 28, 1990, pp. 1-6.
- "International Organization of Securities Commissions, Report of the Technical Committee: Screen-Based Trading Systems for Derivative Products", *Commodity Futures Law Reports*, Jun. 1990, vol. 5-91, No. 404, pp. 37,845-59.
- Schmerken I., "The Bulls and Bears come Out at Night; electronic Trading", *Wall Street Computer Review*, Sep. 1990, vol. 7, No. 12, pp. 14, 20, 22, 62, 64, 66, 68, 70, 72 and 77.
- Schmerken I., "Canadian Brokerage Hedges with On-Line Expertise", *Wall Street Computer Review*, Dec. 1990, pp. 66, 68 and 69.
- Michaels G., "Software Review by the Center for Advanced Technology, Columbia University", *Wall Street Computer Review*, Aug. 1991, pp. 53 and 55.
- Michaels J., "Is the Pen Mightier Than The Phone?", *Wall Street Computer Review*, Sep. 1991, pp. 52 and 54.
- Schmerken I., "O'Connor lifts the cover: O'Connor & Associates is sharing its trading technology with Swiss Bank Corp.", *Wall Street Computer Review*, Oct. 1991, vol. 9, No. 1, pp. 38-40.
- "Detailed Design Document Exhibit S", Task Management, Inc., Feb. 28, 1992, pp. 1-401.
- "Dictionary of Derivatives", *Euromoney*, Jun. 1992, pp. 52-54.
- Parry J., "New Electronic Bourse", *Financial Technology Insight*, Jun. 1992, pp. 12-13.
- Brennan P.J., "For sale: stock exchange systems", *Wall Street & Technology*, Aug. 1992, vol. 9, No. 12, pp. 43-45.
- Neo B.S., "The implementation of an electronic market for pig trading in Singapore", *Journal of Strategic Information Systems*, Nov. 1992, vol. 1, No. 5, pp. 278-288.
- Schmerken, I., "Off-exchange trading chips away at NYSE", *Wall Street & Technology*, Dec. 1992, vol. 10, No. 4, pp. 42-47.
- Corcella K., "Automated Execution As Springboard to Growth", *Wall Street & Technology*, 1993, vol. 12, No. 3, pp. 12-14.
- "TIFFE Annual Report 1993", The Tokyo International Financial Futures Exchange (TIFFE), 1993, screen shot.
- "Annual Report 1993", The Tokyo International Financial Futures Exchange (TIFFE), 1993, cover page.
- "LIFFE: The second decade", *Wall Street & Technology*, Jan. 1993, vol. 10, No. 6, pp. 46-48.
- Weber B., "Information Technology in the Major International Financial Markets", Center for Digital Economy Research, Stern School of Business, Apr. 7, 1993, Working Paper IS-93-12, pp. 1-43.
- Weber B., "Transparency and Bypass in Electronic Financial Markets", Center for Digital Economy Research, Stern School of Business, Jun. 10, 1993, Working Paper IS-93-15, pp. 1-22.
- Kulkosky V., "Making Connections in Off-Exchange Trading", *Wall Street & Technology*, Oct. 1993, vol. 11, No. 5, pp. 14-17.
- Grody A.D. et al., "Past, Present and Future: The Evolution and Development of Electronic Financial Markets", Center for Digital Economy Research, Stern School of Business, Nov. 1993, Working Paper IS-95-21, pp. 1-16.
- Smith C.R., "Tossing Out Tickets", *Wall Street & Technology*, May 1994, vol. 11, No. 13, pp. 52-55.
- Lefoll J., "Couts de transaction et parite des options sur actions du SOFFEX (Transactions costs and parity for options on stocks of SOFFEX)", *Societe de Statistique de Paris*, 1994, pp. 19-38.
- Schmerken I., "Exports from the Promised Land to Wall Street", *Wall Street & Technology*, May 1994, vol. 11, No. 13, pp. 22-24.
- Clarke R., "Case Study: OM Financial Derivative Exchanges", Xamax Consultancy Pty Ltd, Jun. 19, 1994, pp. 1-12.
- Lehmann et al., "Trading and Liquidity on the Tokyo Stock Exchange: A Bird's Eye View", *Journal of Finance*, Jul. 1994, vol. 49, No. 3, pp. 951-984.
- Richardson P., "Can Chicago wire the clock? (Chicago Board of Trade's after-hours trading systems)", *Wall Street & Technology*, Oct. 1994, vol. 12, No. 4, pp. 34-38.
- "Investdata Manual", *Telekurs*, 1995, Edition '94/E, pp. 1-92.
- Niemeyer J. et al., "An Empirical Analysis of the Trading Structure at the Stockholm Stock Exchange", *Stockholm School of Economics*, Jan. 16, 1995, Working Paper No. 44, pp. 1-35.
- Rockoff T.E. et al., "Design of an Internet-based system for remote Dutch auctions", *Internet Research—Electronic Networking Applications and Policy*, Jan. 1995, vol. 5, No. 4, pp. 10-16.
- "TIFFE Annual Report 1995", The Tokyo International Financial Futures Exchange (TIFFE), 1995, screen shot.
- "The OM CLICK Trade User's Guide—for Windows NT", OM Gruppen AB, Draft Ver. 1.0-1, Apr. 1995, pp. 1-9, 11-17, 19-25, 27, 33, 35-38, 39-47 and 49-51.
- Elliott M., "Prepackaged Yield Curve Trades", *Derivatives Strategy*, Sep. 1995.
- Hamao et al., "Securities Trading in the Absence of Dealers: Trades, and Quotes on the Tokyo Stock Exchange", *The Review of Financial Studies*, vol. 8, No. 3, Fall 1995, pp. 849-878.
- "TIFFE Annual Report 1996", The Tokyo International Financial Futures Exchange (TIFFE), 1996, screen shot.
- Schwartz R.A. et al., "Combining Quote-Driven and Order-Driven Trading Systems in Next-Generation Stock Markets: An Experimental Investigation", Center for Digital Economy Research, Stern School of Business, Jul. 1996, Working Paper IS-96-13, pp. 1-28.
- "Trading System User Documentation", *Trading Technologies Inc.*, 1997, p. 35.
- "Annual Report 1997", The Tokyo International Financial Futures Exchange (TIFFE), 1997, cover page and pp. 1, 17, and 18.
- Cavaletti C., "Electronic Order Routing", *Futures*, Feb. 1997, pp. 68-70.
- "CQG for Windows", *Futures Magazine*, Feb. 1997.
- "Introduction to TSE Computer Systems", Tokyo Stock Exchange, Jun. 1997, presentation.
- "Screen Shots Patsystems Canned Demo", Patsystems, Ver. 1.0, 1997, pp. 1-15.
- Johnson M., "Swiss upgrade the hard way—Despite delays, Exchange automation project succeeds", *Computerworld*, Apr. 7, 1997, vol. 31, No. 14, pp. 69-70.
- Sales R., "CME & CBOT lead the charge for futures industry standards. (Chicago Mercantile Exchange, Chicago Board of Trade) (Company Operations) (Cover Story)", *Wall Street & Technology*, Apr. 1997, vol. 15, No. 4.

- Hoffman T., "Trade faster. (flat-panel displays used in the American Stock Exchange's Amex Option Display Book computerized trading process)(Company operations)", *Computerworld*, Aug. 25, 1997, vol. 31, No. 34, pp. 39-40.
- "SYCOM Implementation of ITC Specification Version 2.1", Task Management, Inc., Ver. 1.1, Sep. 30, 1997.
- "Next-Generation Futures Options Trading System", The Tokyo Stock Exchange, Business Systems Department, Sep. 1997, pp. 1-18.
- Nybo P.A. et al., "A Review of Electronic Trading Systems in the U.S. Fixed Income Securities Markets", The Bond Market Association, Oct. 1997, pp. 1-5.
- Clemons E. K. et al., "Information Technology and Screen-Based Securities Trading: Pricing the Stock and Pricing the Trade", *Management Science*, Dec. 1997, vol. 43, No. 12, pp. 1693-1708.
- Sales R., "Eurex pushes futures goliaths to after-hours upgrades. (unified European market for futures trading)(Industry Trend or Event)", *Wall Street & Technology*, Dec. 1997, vol. 15, No. 12, pp. 58-62.
- Schwartz R. et al., "Next-Generation Securities Market Systems: An Experimental Investigation of Quote-Driven and Order-Driven Trading", *Journal of Management Information Systems*, 1997, vol. 14, No. 2, pp. 57-79.
- "Trade Futures Online With Interactive Brokers", Interactive Brokers LLC, 1998.
- "SYCOM Trader Guide", SFE Corporation Limited, 1998, pp. 1-50.
- "Futures Online", *Futures Magazine*, 1998 Guide to Computerized Trading, 1998, p. 30.
- "PTS Client 1.1 Beta H.1", Patsystems, Mar. 31, 1998, pp. 1-6.
- Demarchi M. et al., "Equity Trading Systems in Europe—A survey of recent changes", Feb. 1998.
- Hunter R., "The End Of Open Outcry?", *Derivatives Strategy*, Mar. 1998.
- "Trading System User Documentation", *Trading Technologies*, Apr. 1, 1998, Release 3.10, pp. 4-89.
- "CBOT and Eurex announce trading alliance. (Chicago Board of Trade)(Company Business and Marketing)", *Wall Street & Technology*, May 1998, vol. 15, No. 5, p. 22.
- Sales R., "Alliance threatens Liffe's open outcry. (standards for London International Financial Futures and Options Exchange)(Company Business and Marketing)", *Wall Street & Technology*, May 1998, vol. 16, No. 5, pp. 32-35.
- Sales R., "Two Trading Roads Diverge.(London International Financial Futures and Options Exchange)(Company Operations)", *Wall Street & Technology*, Jun. 1998, vol. 16, No. 6, pp. 32-35.
- "Futures/Options Trading System Guidelines for Operating the Trading Terminals", Tokyo Stock Exchange, Aug. 1998, pp. 1-15, 16E.
- "Introducing Globex 2 From the CME: Now You Can Trade CMU Contracts Any Way You Want To", *Futures Magazine*, Sep. 1998.
- Kharouf J., "Exchanges put on new game faces", *Futures*, Oct. 1998, pp. 86-88 and 92.
- "MFWS Member firm Workstation User Documentation", Task Management, Inc., Ver. 1.2, Nov. 16, 1998, pp. 1-121.
- Kharouf J. et al., "A Trading Room With A View", *Futures*, Nov. 1998, pp. 66-70 and 72.
- Nybo P.A. et al., "The 1998 Review of Electronic Transaction Systems in the U.S. Fixed Income Securities Markets", The Bond Market Association, Nov. 1998, pp. 1-23.
- "Swiss Exchange SWX TS User Manual", Swiss Exchange, Version 2.1, Dec. 1998, pp. 1-249.
- Bergman B., "Are Futures Trading Pits History?", *Commodity Research Bureau*, 1999, Vo. 8, No. 3.
- Weber B., "Screen-Based Trading in Futures Markets: Recent Developments and Research Propositions", *Proceedings of the 32nd Hawaii International Conference on System Sciences*, IEEE Computer Society, 1999, vol. 7, pp. 1-10.
- Loebbecke C., "Electronic Trading in On-line Delivered Content", *Proceedings of the 32nd Hawaii International Conference on System Sciences*, IEEE Computer Society, 1999, vol. 5, pp. 1-10.
- Tsang R., "Open outcry and electronic trading in futures exchanges", *Bank of Canada Review*, 1999, pp. 21-39.
- "X Trader Product Information", *Trading Technologies International Inc.*, 1999, pp. 2-3.
- "Trading Pad", *GL Trade*, 1999, pp. 1-8.
- Maruanaga et al., "Market microstructure and market liquidity", *Bank of Japan*, 1999, pp. 1-28 and abstract.
- "The Application Program Interface (API) Reference Manual For LIFFE Connect", LIFFE, Release 3.3, Jan. 1999, Table of Contents and Appendix F.
- "Power Wars", *Futures*, Apr. 1999, vol. 28, No. 4, pp. 28-29.
- GL Trade, "(LIFFE Connect for Futures) User Guide V4.51", *GL Trade*, Jun. 1999, pp. 1-53.
- Arvedlund E., "Coming Soon to Your PC: The Options Pit", *TheStreet*, Jun. 10, 1999.
- GL Trade, "Guide: GL WIN et Logiciels complementaires", *GL Trade*, Oct. 1999, pp. 1-25.
- Nybo P.A. et al., "eCommerce in the U.S. Fixed Income Markets: The 1999 Review of Electronic Transactions Systems", The Bond Market Association, Nov. 1999, pp. 1-35.
- Carter J., "Electronic trading", *Electronic Trading Special Report Risk*, Nov. 1999.
- "Tokyo Stock Exchange 50th Anniversary Materials System Edition", Tokyo Stock Exchange, vol. Apr. 1989 through Mar. 1999, Jul. 31, 2000.
- "Downloading the Terminal Program and Sending the Replacement for the Guidelines for Operating the Trading Terminals", Tokyo Stock Exchange, Jan. 2000, pp. 12-13.
- "Liffe moves to computer screen trading. (Company Business and Marketing)", *Computer Weekly*, Apr. 27, 2000, p. 4.
- "Schedule #23 Software and Services Chosen By The Client (GL WIN Trading stations)", Client Future Path LLC, 2001, pp. 1-2.
- "GL Trade (General Terms and Conditions)", *GL Trade*, 2001, pp. 1-20.
- "The Eurex derivatives exchange: structure and characteristics", *Economic and Financial Computing*, 2001, vol. 11, No. 3, pp. 118-147.
- Zaloom C., "Trading the Numbers: Calculation and Ambiguity in the Pits and on the Screen", *SSRC Corporation as a Social Institution Workshop*, May 2001, pp. 1-34.
- Zaloom C. "Ambiguous Numbers: Technology and Trading in Global Financial Markets", 2001, pp. 1-46.
- "USPTO Presentation: Evolution of The Nasdaq Stock Market Inc.", *Nasdaq*, Nov. 8, 2001, pp. 1-15.
- "The SWX Platform and Associated Systems", *Swiss Exchange*, Nov. 2002.
- "Royalblue Fidessa Products & Services", *Royalblue*, 2003, presentation.
- "Quick Reference Guide Trading—Eurex Release 6.0", *Eurex Communications*, Mar. 2003, pp. 5-85, Switzerland.

“SWX Trading System Windows User Manual”, Swiss Exchange, Ver. 2.4.0.5, Apr. 1, 2004.

Declaration of Brendan Bradley, Nov. 18, 2004, Case No. 04 C 5312.

GL Trade, “Invoice (rental period Jan. 1, 2005 to Mar. 31, 2005)”, GL Consultants, Inc, Jan. 10, 2005, pp. 1–9.

Court Order, US District Court, Northern District of Illinois, Feb. 9, 2005, Case No. 04–CV–5312.

Deposition of Robert McCausland, Apr. 7, 2005, Case No. 04 CV–5312.

Deposition of Junius Peake, Jun. 3, 2005, Case No. 04 C 5312.

“Traders’ Manual”, CATS (Computer Assisted Trading System).

“APT: A Trading System For The Future”, LIFFE.

“Pats PTS Client”, PAT Systems Ltd., Ver. 2.1f, pp. 1–16.

Rubyx for LIFFE Connect, “The Iris trading front–end for futures”, IRIS, pp. 1–4.

Rubyx for LIFFE Connect, “The trading screen that sets the standards”, IRIS.

“The Oak System, On–Line Trading From Prime Time Investment Services”, Prime Time Investment Services, Chicago Board of Trade, pp. 1–18.

MarketWatch Screenshot.

“OBMS: Order Book Management System for Exchange Traded Derivatives”, Trinitech Systems Inc.

“Trader’s Manual”, MEFF Electronic System, Ver. 5.66, pp. 1–141.

“Welcome to the Arizona Stock Exchange, The Online Stock Auction”, Arizona Stock Exchange, www.AZX.com, presentation.

“SWX Screen Shots”, Swiss Exchange.

* cited by examiner

