EXHIBIT 1

CQG EXHIBIT 1018





US006766304B2

(12) United States Patent

Kemp, II et al.

(10) Patent No.: US 6,766,304 B2

(45) **Date of Patent: Jul. 20, 2004**

(54) CLICK BASED TRADING WITH INTUITIVE GRID DISPLAY OF MARKET DEPTH

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IL (US)

(73) Assignee: Trading Technologies International,

Inc., Chicago, IL (US)

(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 544 days.

(21) Appl. No.: 09/894,637

(22) Filed: Jun. 27, 2001

(65) **Prior Publication Data**

US 2002/0059129 A1 May 16, 2002

Related U.S. Application Data

(62)	Division	of	application	No.	09/590,692,	filed	on	Jun.	9,
` ′	2000.								

(60) Provisional application No. 60/186,322, filed on Mar. 2, 2000.

(52) **U.S. Cl.** **705/37**; 705/36; 705/35

(56) References Cited

U.S. PATENT DOCUMENTS

5,774,877 A 6/1998 Patterson, Jr. et al. 5,793,301 A 8/1998 Patterson, Jr. et al.

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

WO	WO 98/49639	11/1998
WO	WO 99/19821	4/1999
WO	WO 99/30259	6/1999
WO	WO 99/53424	10/1999
WO	WO 00/52619	9/2000
WO	WO 00/62187	10/2000
WO	WO 00/65510	11/2000
WO	WO 01/16830	3/2001
WO	WO 01/16852	3/2001
WO	WO 01/22315	3/2001
WO	WO 01/88808	11/2001

OTHER PUBLICATIONS

Patsystems News Release, Patsystems Launches J Trader, Nov. 6, 2001.*

www.tradingtechnologies.com/products/xtrade_full.html (viewed May 22, 2001) <Jun. 9, 2000.

Kharouf, A trading room with a view, Fututes, 27, 11—Nov. 1998

USPTO Presentation, NASDAQ, Nov. 8, 2001, enclosed pp. 1–13.

Primary Examiner—Richard Weisberger (74) Attorney, Agent, or Firm—Foley & Lardner

(57) ABSTRACT

A method and system for reducing the time it takes for a trader to place a trade when electronically trading on an exchange, thus increasing the likelihood that the trader will have orders filled at desirable prices and quantities. The "Mercury" display and trading method of the present invention ensure fast and accurate execution of trades by displaying market depth on a vertical or horizontal plane, which fluctuates logically up or down, left or right across the plane as the market prices fluctuates. This allows the trader to trade quickly and efficiently.

40 Claims, 6 Drawing Sheets

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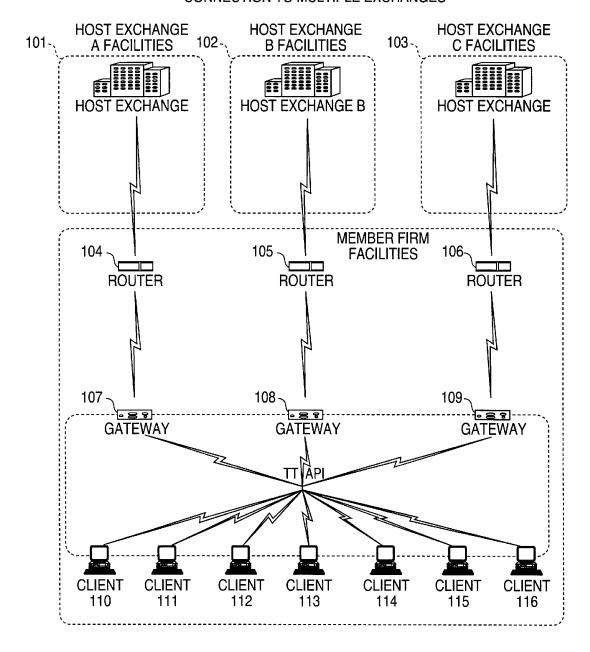
US 6,766,304 B2 Page 2

	U.S	. PATENT	DOCUMENTS		6,131,087 A	10/2000	Luke et al.
					6,134,535 A	10/2000	Belzberg
5,797,00			Patterson, Jr. et al.		6,195,647 B1	2/2001	Martyn et al.
5,845,26	5 A		Lupien et al.		6,272,474 B1	8/2001	Garcia
5,915,24	5 A	6/1999	Patterson, Jr. et al.		6.278.982 B1	8/2001	Korhammer et al.
5,924,082	2 A	7/1999	Silverman et al.		6,282,521 B1	8/2001	Howorka
5,924,08	3 A	7/1999	Silverman et al	705/37	6,408,282 B1	6/2002	
5,963,92	3 A	10/1999	Garber	705/37	2002/0023038 A1	2/2002	Fritsch et al.
6,012,040	5 A	1/2000	Lupien et al.		2002/0055899 A1		Williams
6,014,64	3 A	1/2000	Minton	705/37	2002,00000033 111	0,2002	***************************************
6,098,05	1 A	8/2000	Lupien et al.		* cited by examine	r	



FIG. 1

CONNECTION TO MULTIPLE EXCHANGES





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