

(56)

References Cited

U.S. PATENT DOCUMENTS

D692,911	S *	11/2013	Pearcy	.....	D14/486
8,677,272	B2 *	3/2014	Lance	.....	G06F 3/048
					715/764
D745,882	S *	12/2015	Saitou	.....	D14/486
D748,126	S *	1/2016	Sarukkai	.....	D14/486
D751,573	S *	3/2016	Talbot	.....	D14/485
D752,601	S *	3/2016	Lam	.....	D14/485
D781,888	S *	3/2017	Edman	.....	D14/486
D781,889	S *	3/2017	Wills	.....	D14/486
D783,656	S *	4/2017	Blaas	.....	D14/486
2002/0007330	A1 *	1/2002	Kumar	.....	G06F 9/547
					705/36 R
2003/0190026	A1 *	10/2003	Lemchen	.....	G06F 3/0481
					379/159
2005/0154658	A1 *	7/2005	Bove	.....	G06Q 40/00
					705/35
2006/0277130	A1 *	12/2006	Harmon	.....	G06Q 30/06
					705/35
2009/0048950	A1 *	2/2009	Howell	.....	G06Q 40/12
					705/30
2009/0199120	A1 *	8/2009	Baxter	.....	G06F 3/0482
					715/765
2011/0178874	A1 *	7/2011	Ballout	.....	G06Q 10/00
					705/14.55
2013/0212507	A1 *	8/2013	Fedoseyeva	.....	G06F 10/00
					715/765
2014/0279373	A1 *	9/2014	Saraf	.....	G06Q 40/04
					705/37
2015/0082220	A1 *	3/2015	Lane	.....	A61N 5/1039
					715/771
2015/0154701	A1 *	6/2015	Jaberg	.....	G06Q 40/04
					705/37

* cited by examiner

Fast Trade Corral

Alias	B TKT	BUY	Bid Size	B-	Bid Level	B+B...	S...	S-	Ask Level	S+Ask...	SELL	S TKT	Mid Level	Diff
▲	Buy TKT	BUY		-		+	⊗	-		+	SELL	Sell TKT		
▲	Buy TKT	BUY		-		+	⊗	-		+	SELL	Sell TKT		
▲	Buy TKT	BUY		-		+	⊗	-		+	SELL	Sell TKT		
▲	Buy TKT	BUY		-		+	⊗	-		+	SELL	Sell TKT		
▲	Buy TKT	BUY		-		+	⊗	-		+	SELL	Sell TKT		
▲	Buy TKT	BUY		-		+	⊗	-		+	SELL	Sell TKT		
▲	Buy TKT	BUY		-		+	⊗	-		+	SELL	Sell TKT		
▲	Buy TKT	BUY		-		+	⊗	-		+	SELL	Sell TKT		
▲	Buy TKT	BUY		-		+	⊗	-		+	SELL	Sell TKT		

Fast Trade x equity Edit Filter

FIG. 1

Alias	B TKT	BUY	Bid Size	Bid Level	B+ B MKT	S MKT	S-	Ask Level	B- S+	Ask...	SELL	S TKT	Mid Level	Diff
▲	Buy TKT	BUY			+		-		-		SELL	Sell TKT		
▲	Buy TKT	BUY			+		-		-		SELL	Sell TKT		
▲	Buy TKT	BUY			+		-		-		SELL	Sell TKT		
▲	Buy TKT	BUY			+		-		-		SELL	Sell TKT		
▲	Buy TKT	BUY			+		-		-		SELL	Sell TKT		
▲	Buy TKT	BUY			+		-		-		SELL	Sell TKT		

Edit Filter

Yield SpreadsX

FIG. 2

Alias	B TKT	BUY	Bid Size	B-	Bid Level	B+	S-	Ask Level	S+	Ask Size	SELL	S TKT
▲	Buy TKT	BUY		-		+	☉		+		SELL	Sell TKT
▲	Buy TKT	BUY		-		+	☉		+		SELL	Sell TKT
▲	Buy TKT	BUY		-		+	☉		+		SELL	Sell TKT
▲	Buy TKT	BUY		-		+	☉		+		SELL	Sell TKT
▲	Buy TKT	BUY		-		+	☉		+		SELL	Sell TKT










FIG. 3

Fast Trade Control

	B TKT	BUY	Bid Size	B-	Bid Level	B+	B.	S.	S-	Ask Level	S+	Ask.	SELL	S TKT	Mid Level	Diff
Alice																
▲ 3Y Butterfly	Buy TKT	BUY	44	-	4.293	+	⊗	⊗	-	4.307	+	28	SELL	Sell TKT	4.300	0.004
▲ FY Butterfly	Buy TKT	BUY	53	-	-31.895	+	⊗	⊗	-	-31.874	+	154	SELL	Sell TKT	-31.895	0.021
▲ 5yr FLY	Buy TKT	BUY	30	-	4.292	+	⊗	⊗	-	4.307	+	8	SELL	Sell TKT	4.300	0.015
▲ 5yr FLY BACK BOOK	Buy TKT	BUY	30	-	4.292	+	⊗	⊗	-	4.307	+	8	SELL	Sell TKT	4.300	0.015
▲ TY Butterfly	Buy TKT	BUY	65	-	-10.874	+	⊗	⊗	-	-10.856	+	286	SELL	Sell TKT	-10.865	0.018
▲ 10yr FLY	Buy TKT	BUY	13	-	12.856	+	⊗	⊗	-	-12.874	+	15	SELL	Sell TKT	12.865	0.018
▲ 3Y 5Y Double BFLY	Buy TKT	BUY	39	-	-10.747	+	⊗	⊗	-	-10.734	+	52	SELL	Sell TKT	-10.744	0.013
▲ 5Y 10Y Double BFLY	Buy TKT	BUY	30	-	8.508	+	⊗	⊗	-	8.528	+	6	SELL	Sell TKT	8.518	0.020

[Bid Size] + Or [Ask Size] = equity

Fast Trade X

Filter Filter

FIG. 4

Algos	B TKT	BUY	Bid Size	B-	Bid Level	B+	S-	Ask Level	S+	Ask Size	SELL	S TKT
▲ HO crackbox H	Bus TKT	BUY	2	-	-0.325	+	⊕	-0.303	+	2	SELL	Sell TKT
▲ RGOB crackbox H	Buy TKT	BUY	3	-	3.292	+	⊕	3.418	+	3	SELL	Sell TKT
▲ 3:21 crackbox	Buy TKT	BUY	1	-	1.007	+	⊕	1.037	+	1	SELL	Sell TKT
▲ S-2 crackbox	Buy TKT	BUY	2	-	0.874	+	⊕	0.903	+	2	SELL	Sell TKT
▲ Gasoil crack calendar	Buy TKT	BUY	24	-	0.120	+	⊕	0.137	+	48	SELL	Sell TKT

| | Deviation -weighted pairs in 32nds | | X |

FIG. 6

Date	Description	Debit	Credit	Balance	Amount
	TV Battery	4.293		4.293	4.300
	TV Battery	-31.895		-27.602	-31.885
	TV BATTERY	9.292		-18.310	9.300
	TV BATTERY	9.292		-9.018	9.300
	TV BATTERY	-10.874		-19.892	-10.865
	TV BATTERY	12.856		-7.036	12.865
	TV BATTERY	-10.747		-17.783	-10.741
	TV BATTERY	8.608		-9.175	8.618
	TV BATTERY	-74.810		-84.045	-74.805

FIG. 7

The image shows a screenshot of a data table with a dark background and light text. The table has 11 columns and 6 rows of data. The columns are labeled as follows: 'Date', 'Time', 'CPU Usage', 'Memory Usage', 'Disk Usage', 'Network Usage', 'CPU Temp', 'Memory Temp', 'Disk Temp', 'Network Temp', and 'Power Usage'. The data rows contain numerical values for each of these categories. The values for 'CPU Usage' range from 41.07 to 77.36, 'Memory Usage' from 41.48 to 77.56, 'Disk Usage' from 31.28 to 77.46, and 'Network Usage' from 0.01 to 0.30. The 'Date' column shows dates from 10/1/17 to 10/3/17. The 'Time' column shows times from 10:00 to 10:05. The 'CPU Temp' column shows values from 44.73 to 78.58. The 'Memory Temp' column shows values from 33.72 to 78.77. The 'Disk Temp' column shows values from 44.95 to 78.68. The 'Network Temp' column shows values from 33.93 to 77.46. The 'Power Usage' column shows values from 0.01 to 0.30. The table is presented in a grid format with a header row and several data rows.

Date	Time	CPU Usage	Memory Usage	Disk Usage	Network Usage	CPU Temp	Memory Temp	Disk Temp	Network Temp	Power Usage
10/1/17	10:00	41.07	41.48	31.28	0.01	44.73	33.72	44.95	33.93	0.01
10/1/17	10:01	63.62	63.90	63.16	0.20	63.62	63.90	63.16	63.16	0.20
10/1/17	10:02	44.73	44.96	44.95	0.01	44.73	44.96	44.95	44.95	0.01
10/1/17	10:03	33.72	33.93	33.93	0.01	33.72	33.93	33.93	33.93	0.01
10/1/17	10:04	78.58	78.77	78.68	0.01	78.58	78.77	78.68	78.68	0.01
10/1/17	10:05	77.36	77.56	77.46	0.01	77.36	77.56	77.46	77.46	0.01
10/1/17	10:06	77.15	77.67	77.46	0.01	77.15	77.67	77.46	77.46	0.01

FIG. 8

The screenshot displays a software interface with a table containing several rows of data. The table has columns for Name, ID, Value, and other metrics. The data is as follows:

Name	ID	Value	Other
111	111	0.325	0.3023
112	112	3.302	3.838
113	113	1.007	1.037
114	114	0.874	0.902
115	115	0.129	0.137

FIG. 9