## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 24 July 2008 (24.07.2008)

(10) International Publication Number WO 2008/089213 A3

(51) International Patent Classification: G06Q 40/00 (2006.01)

(21) International Application Number:

PCT/US2008/051127

(22) International Filing Date: 16 January 2008 (16.01.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/885,090 16 January 2007 (16.01.2007) 12/014,751 15 January 2008 (15.01.2008) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## **Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report:

16 October 2008

(54) Title: SYSTEM AND METHOD FOR SECURITIES LIQUIDITY FLOW TRACKING, DISPLAY AND TRADING

(57) Abstract: A method, system and computer program that receives, processes, and displays level one, level two, and time and sales securities data. Through a variety of charts, the data is analyzed to identify liquidity trade imbalances and trends in trading liquidity. A logic based trading algorithm utilizes the current market maker activity information and the historical liquidity tiers to execute trades automatically.

## INTERNATIONAL SEARCH REPORT

International application No. PCT/US 08/51127

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - G06Q 40/00 (2008.04) USPC - 705/37			
According to International Patent Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
USPC - 705/37			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC - 705/1, 35 700/1, 90			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST(USPAT, USPUB, EPO, JPO, DERWENT) DialogPRO(Engineering); Google Scholar - purchase and sale and security and option and trading and data and parameters and analysis			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
X  Y	US 2002/0133449 A1 (Segal et al.)19 September 2002(19.09.2002), Abstract, Fig 3-8, claim 1, para [0002] - [0062].		1-6, 8-13, 15-22, 25, 27- 34, 36-42, 45-47 and 49
Y	Applicants Admitted Prior Art, pare (0002) (0005)		7, 14, 23-24, 26, 35, 43- 44 and 48
'	Applicant's Admitted Prior Art, para [0002]-[0005]		7, 14 and 35
Y	WO 2006/022677 A2 (Ng et al.) 2 March 2006, (02.03.2006), entire document, especially pg 7, ln 24-25		23-24, 26 and 48
Y	US 2005/0283427 A1 (Owens et al.). 22 December 2005 (22.12.2005), entire document, especially para [0065] and [0075]		43-44
A	US 2003/0225662 A1 (Horan et al.) 04 December 2003 (04.12.2003), entire document.		1-49
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"P" document published prior to the international filing date but later than "&" document member of the same patent family the priority date claimed			
Date of the actual completion of the international search  19 April 2008(19.04.2008)  Date of mailing of the international search report  0 4 AUG 2008			ch report
Name and mailing address of the ISA/US  Authorized officer:			
Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450		Lee W. Young PCT Helpdesk: 571-272-4300	
Facsimile No. 571-273-3201 PCT OSP: 571-273-7774			