Form PTO-1595 RECOR (Rev. 10/02) OMB No. 0551-0027 (exp. 6/30/2005)	PATENTS ONLY U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
	Attorney Docket No. GS1-003US	
	Trademarks: Please record the attached original documents or copy thereof.	
Name of conveying party(ies):	2. Name and address of receiving party(ies)	
Georghios A. Sofianos	Name: Goldman, Sachs & Co.	
	Internal Address:	
Additional name(s) of conveying party(ies) attached?	P ☐ Yes ☑ No	
3. Nature of conveyance:	Street Address: One New York Plaza	
☐ Security Agreement ☐ Change	of Name	
1		
☐ Other .	City: New York State: NY Zip: 10004	
Execution Date: .11/30/2005		
EXECUTION Date: 11/30/2003	Additional name(s) & address(es) attached? ☐ Yes ⊠ No	
4. Application number(s) or patent number(s):		
	application, the execution date of the application is:	
A. Patent Application No.(s)	B. Patent Registration No.(s)	
11/290,973, filed 11/30/2005		
1 17230,373, med 1 1730/2003		
Addition	nal number(s) attached 🔲 Yes 🖾 No	
Name and address of party to whom corresponder	ence	
concerning document should be mailed:	6. Total number of applications and patents involved 1	
Name: Lee & Hayes, PLLC	7. Total fee (37 CFR 3.41) \$40.00	
Name. Lee & mayes, FLLO	□ = tt	
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9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.		
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> PATENT REEL: 017169 FRAME: 0530

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

	11/290,973
Serial NumberFiling Date	11/30/2005.
Filing Date Inventorship	Sofianos
inventorstup	Goldman, Sachs & Co.
Applicant Attorney's Docket No.	GS1-0003US
Client Docket No.	
Title: Model-Based Selection of Trade Execution Strategies	

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Georghios A. Sofianos 57 Montague Street, Apt. 8J Brooklyn, NY 11201

<u>Assignee:</u>

Goldman, Sachs & Co. One New York Plaza New York NY 10004

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled
"Model-Based Selection of Trade Execution Strategies" for which:
a provisional application for United States Letters Patent was filed on and
was given U.S. Serial No and/or
□ a non-provisional application for United States Letters Patent was:
\bigcirc filed on $11/30/2005$ and was given U.S. Serial No. $11/290,973$; or
filed concurrently herewith.

WHEREAS, Goldman, Sachs & Co. (hereinafter referred to as ASSIGNEE), a corporation of the State of New York having a place of business at One New York Plaza, New York, NY 10004, is desirous of acquiring the entire right, title and interest in and to the invention and in

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PATENT REEL: 017169 FRAMŒ≇0€31 and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(5) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

Nov 30, 2005

Seprobios A Solianos

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