

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tatiana Vasilyevna POTEKHINA</td> <td>09/04/2012</td> </tr> <tr> <td>Brian Michael SCHWARTZ</td> <td>09/27/2012</td> </tr> </tbody> </table>		Name	Execution Date	Tatiana Vasilyevna POTEKHINA	09/04/2012	Brian Michael SCHWARTZ	09/27/2012
Name	Execution Date						
Tatiana Vasilyevna POTEKHINA	09/04/2012						
Brian Michael SCHWARTZ	09/27/2012						
RECEIVING PARTY DATA							
Name:	Trading Technologies International, Inc.						
Street Address:	222 South Riverside Plaza, Suite 1100						
City:	Chicago						
State/Country:	ILLINOIS						
Postal Code:	60606						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13630640</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13630640		
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Application Number:	13630640						
CORRESPONDENCE DATA							
Fax Number:	3129130002						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	312-913-0001						
Email:	docketing@mbhb.com						
Correspondent Name:	MBHB/TRADING TECHNOLOGIES						
Address Line 1:	300 SOUTH WACKER DRIVE						
Address Line 2:	SUITE 3200						
Address Line 4:	CHICAGO, ILLINOIS 60606						
ATTORNEY DOCKET NUMBER:	12-967						
NAME OF SUBMITTER:	Daniel P. Williams						
Total Attachments: 4 source=12-967_06b_assignment#page1.tif source=12-967_06b_assignment#page2.tif source=12-967_06b_assignment#page3.tif source=12-967_06b_assignment#page4.tif							

CH \$40.00 13630640

**ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR  
LETTERS PATENT OF THE UNITED STATES OF AMERICA**

I hereby declare that I am an original, first, and joint inventor of the inventions described in an application for Letters Patent of the United States of America:

Title: **DIRECTED GRAPH-BASED STRATEGY TRADING TOOL**  
Attorney Docket No.: 12-967

For valuable consideration received, I hereby sell, assign, and transfer to Trading Technologies International, Inc., a corporation of the State of Delaware, headquartered at 222 South Riverside Plaza, Suite 1100, Chicago, Illinois 60606 (hereinafter "TT"), as well as its successors and assigns, my entire right, title, and interest, for all countries in and to said inventions and all the rights and privileges under any and all Letters Patent that may be granted therefore, and any divisions, continuations, reissues, and extensions thereof.

I agree that, when requested, I will, without charge to TT but at its expense, sign all papers, take all rightful oaths, make all rightful declarations, and do all acts which may be necessary, desirable, or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in TT, its successors, assigns or nominees.

I agree that I will communicate to TT or its representatives any facts known to me respecting said inventions and when requested by TT and at its expense will testify in any legal proceedings, and generally do everything possible to aid TT, its successors, assigns, and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower TT, its successors, assigns, or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my/our name, in any and all countries, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of TT or its successors, assigns, or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with TT, its successors, assigns, legal representatives, and nominees, that, to the best of my knowledge, the right, title, and interest herein conveyed by me are free and clear of any encumbrance, and that I have the full right to convey the same as herein expressed.

This Agreement and Assignment supersedes all other assignments, agreements, and addendums related to the above-identified application.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

WITNESS my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

\_\_\_\_\_  
Brian Michael SCHWARTZ

State of Illinois

County of Cook

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 2012 by Brian Michael SCHWARTZ

\_\_\_\_\_  
NOTARY PUBLIC

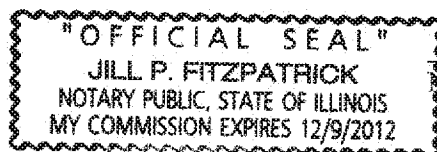
WITNESS my hand and seal this 4 day of September, 2012.

*Tatiana Vasilyevna POTEKHINA*  
Tatiana Vasilyevna POTEKHINA

State of Illinois

County of Cook

The foregoing instrument was acknowledged before me this 4 day of September, 2012 by Tatiana Vasilyevna POTEKHINA



*Jill P. Fitzpatrick*  
NOTARY PUBLIC

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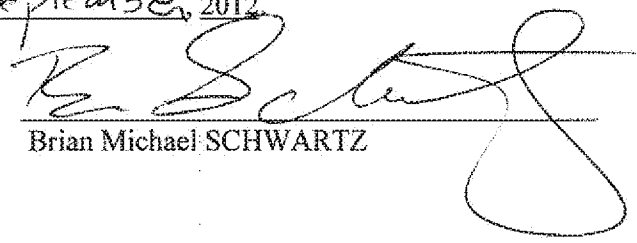
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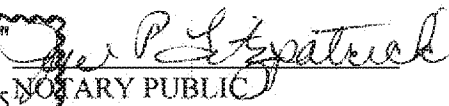
  
\_\_\_\_\_  
Brian Michael SCHWARTZ

State of Illinois

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