# 505450865 04/29/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5497666

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY	ΟΑΤΑ				
			Name	Execution Date	
SCOTT F. SINGER				03/18/2009	
MICHAEL J. BURNS				03/17/2009	
STEPHEN P. DECKER				03/18/2009	
RECEIVING PARTY D	ΑΤΑ				
Name:	TRAD	TRADING TECHNOLOGIES INTERNATIONAL, INC.			
Street Address:		222 SOUTH RIVERSIDE PLAZA			
Internal Address:	SUITE	SUITE 1100			
City:	CHICA	CHICAGO			
State/Country:	ILLINC	ILLINOIS			
Postal Code:	60606	60606			
Property Type		1639	Number		
Application Number:		1639	16397529		
CORRESPONDENCE	DATA				
			476-1001		
			e-mail address first; if that is uns		
using a fax number, if provided; if the Phone: 312-4			<i>,</i>	t via US Mall.	
			patentreporting@tradingtechnologies.com		
•		TRA	TRADING TECHNOLOGIES INTERNATIONAL, INC.		
			222 SOUTH RIVERSIDE PLAZA		
			SUITE 1100 CHICAGO, ILLINOIS 60606		
Address Line 4:		CHIC	AGO, ILLINOIS 60606		
ATTORNEY DOCKET NUMBER:			051126US10		
NAME OF SUBMITTER:			MONIKA DUDEK		
SIGNATURE:			/Monika Dudek/		
DATE SIGNED:			04/29/2019		
Total Attachments: 3					
source=051126US10 As	-				
source=051126US10 As	signment	t#page	e2.tif		

PATENT REEL: 049023 FRAME: 0606

#### ASSIGNMENT

Case No.: 05-1126 Inventors: Scott F. Singer, Michael J. Burns, Stephen P. Decker, Date of Execution of Application: Serial No.: 11/321,228

Filing Date: 12/29/2005

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to:

#### Trading Technologies International, Inc., a corporation of the State of Delaware

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

#### SYSTEM AND METHOD FOR A TRADING INTERFACE INCORPORATING A CHART

and identified as:

### Case No. 05-1126

in the offices of MCDONNELL BOEHNEN HULBERT & BERGHOFF and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request 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.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand and seal this $18^{\text{H}}$ day of MArch	<u>, 2009</u>
	Sector F. Singer

State of Ilineis

County of Cook

The foregoing instrument was acknowledged before me this 18 day of MARCH, 2009 by Scott F. Seigns "OFFICIAL SEAL" JILL P. FITZPATRICK Setpatrick NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES 12/9/2012

NOTARY PUBLIC

WITNESS my hand and seal this 17 # day of March, 2009 Michael J. Burns State of Mineis County of Cook, The foregoing instrument was acknowledged before me this <u>17</u> day of <u>MARCH</u>, <u>2009</u> by Michail J. Berns PSetpatrick "OFFICIAL SEAL" JILL P. FITZPATRICK NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES 12/9/2012

PATENT REEL: 049023 FRAME: 0608 WITNESS my hand and seal this 18 day of Morch, 200?

Stephen P. Decker

State of Jelineis

County of Cook

The foregoing instrument was acknowledged before me this <u>18</u> day of <u>MAACH</u>, <u>2009</u> by

Stephen Plecker



Qui P Sit patrik