PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3020655

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT		
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE previously recorded on Reel 033710 Frame 0570. Assignor(s) hereby confirms the FROM "MIAMI INTERNATIONAL SECURITIES EXCHANGE" TOMIAMI INTERNATIONAL SECURITIES EXCHANGE, LLC		

CONVEYING PARTY DATA

Name	Execution Date
KEVIN MUELLER	07/29/2014
PAUL FOST	08/04/2014
MARC HAMPSHIRE	07/25/2014
DAVID SEIDMAN	07/25/2014
DAVID LEHMANN	07/25/2014
AMY NEILEY	07/25/2014
VINAY RAO	07/25/2014
MATTHEW ROTELLA	07/31/2014
DOUGLAS SCHAFER	07/25/2014
SRINIVAS NIMMA	08/19/2014
ROBERT STRAUB	08/04/2014
MUNA TANG	07/29/2014
GREGORY MILLER	09/03/2014
GANESH CHITTIMALLA	07/29/2014

RECEIVING PARTY DATA

Name:	MIAMI INTERNATIONAL SECURITIES EXCHANGE, LLC	
Street Address:	7 ROSZEL ROAD	
City:	PRINCETON	
State/Country:	NEW JERSEY	
Postal Code:	08540	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14099282	

CORRESPONDENCE DATA

Fax Number: (646)588-1586

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 212-883-4991 **PATENT**

502974056 REEL: 033729 FRAME: 0075

Email: cconstantino@cozen.com

Correspondent Name: COZEN O'CONNOR Address Line 1: 277 PARK AVENUE

Address Line 4: NEW YORK, NEW YORK 10172

ATTORNEY DOCKET NUMBER:	6122-5
NAME OF SUBMITTER:	CARL B. WISCHHUSEN
SIGNATURE:	/Carl B. Wischhusen/
DATE SIGNED:	09/12/2014

Total Attachments: 18

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PATENT REEL: 033729 FRAME: 0076

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3016559

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KEVIN MUELLER	07/29/2014
PAUL FOST	08/04/2014
MARC HAMPSHIRE	
DAVID SEIDMAN	07/25/2014
DAVID LEHMANN	07/25/2014
AMY NEILEY	07/25/2014
VINAY RAO	07/25/2014
	07/25/2014
MATTHEW ROTELLA	07/31/2014
DOUGLAS SCHAFER	07/25/2014
SRINIVAS NIMMA	08/19/2014
ROBERT STRAUB	
MUNA TANG	08/04/2014
GREGORY MILLER	07/29/2014
GANESH CHITTIMALLA	09/03/2014
STATISTICAL STRUMELY	07/29/2014

RECEIVING PARTY DATA

MIAMI INTERNATIONAL SECURITIES EXCHANGE		
7 ROSZEL ROAD		
PRINCETON		
NEW JERSEY		
08540		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14099282	

CORRESPONDENCE DATA

Fax Number:

(646)588-1586

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone:

212-883-4991

Email:

cconstantino@cozen.com

Correspondent Name:

COZEN O'CONNOR

PATENT REEL: 033729 FRAME: 0077

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, We the undersigned, Kevin MUELLER; Paul FOST; Marc HAMPSHIRE; David SEIDMAN; David LEHMANN; Amy NEILEY; Vinay RAO; Matthew ROTELLA; Douglas SCHAFER; Srinivas NIMMA; Robert STRAUB; and Muna TANG (hereinafter referred to as "ASSIGNOR"):

Hereby sell, assign and transfer to Miami International Securities Exchange, LLC (hereinafter referred to as "ASSIGNEE"), a corporation of New Jersey, having a place of business at 7 Roszel Road, Princeton, New Jersey 08540 USA, respectively, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to the invention which is disclosed in the application for United States Letters Patent, which was filed on December 6, 2013 and accorded U.S. Patent Application No. 14/099,282, and which is entitled

Systems And Methods For Testing A Financial Trading System

and in and to said application and all provisional, divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said invention (including Patent Cooperation Treaty International Application No. PCT/US2013/073580, filed December 6, 2013, and all national and regional stage applications stemming therefrom); and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said invention;

Agree that said Assignee may apply for and receive Letters Patent for said invention in its own name, and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent

and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said invention; execute all rightful oaths, assignments, powers of attorney and other papers, communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said invention and for vesting title to said invention and all applications for patents and all patents on said invention, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

	Date:	7/29/14
Kevin MUELLER		

State of New Jersey)
Scounty of Mercer)

free will for the purpose therein set forth.

Votary Public

JANE SCIARRA

A Notary Public of New Jersey My Commission Expires October 27, 2014

Paul FOST	Date:	8/4/14
State of New Jersey)		
County of Mercer)ss.		
Before me this day of Paul FOST to me personally known to be the personal day of above instrument, and acknowledged to me that I purpose therein set forth.	erson who is des	, 2014, personally appeared cribed in and who executed the ame of his own free will for the
	1	
	Notary Public	JANE SCIARRA A Notary Public of New Jersey My Commission Expires October 27, 2014
Marc HAMPSHIRE	Date:	July 25, 2014
State of New Jersey))ss.		
County of Mercer)		
Before me this 25 th day of Marc HAMPSHIRE to me personally known to executed the above instrument, and acknowledge free will for the purpose therein set forth.	to be the person	, 2014, personally appeared who is described in and who executed the same of his own
	Jan.	-S.:
	Notary Public	JANE SCIARRA A Notary Public of New Jersey My Commission Expires October 27, 2014

David SEIDMAN		Date: _	7/25/2014
State of New Jersey)		
County of Mercer)ss.)		
Before me this <u>Strin</u> day of	wn to be the	person v	_, 2014, personally appeared who is described in and who executed the same of his own
	Notary	Public	JANE SCIARRA A Notary Public of New Jersey My Commission Expires October 27, 2014
David JEHMANN		Date: _	7/25/2014
State of New Jersey))ss.		
County of Mercer)		
Before me this 25 day of	own to be the	person verthat he o	_, 2014, personally appeared who is described in and who executed the same of his own
	10	/N.2 /	Sia Vija
	Notary	Public	JANE SCIARRA A Notary Public of New Jersey My Commission Expires October 27, 2014

Amy NEILEY	*	Date: _	7/25/14
State of New Jersey)		
County of Mercer)ss.)		
Before me this 25th day of Amy NEILEY to me personally known the above instrument, and acknowledged the purpose therein set forth.	to be the person	ı who is de	_, 2014, personally appeared escribed in and who executed same of his own free will for
	Notar)	JANE SCIARRA A Notary Public of New Jersey y Commission Expires October 27, 2014
Vinay RAO		Date:	7/25/2014
State of New Jersey))ss.		
County of Mercer)		
Before me this 25 day of Vinay RAO to me personally known to be above instrument, and acknowledged to me purpose therein set forth.	pe the person where that he execute	no is descrited the sam	, 2014, personally appeared bed in and who executed the se of his own free will for the
	7		The state of the s

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Notary Public

JANE SCIARRA
A Notary Public of New Jersey
My Commission Expires October 27, 2014

Myte	Date: 7/3///4
Matthew ROTELLA	
State of New Jersey	
County of Mercer)ss	s.
	, 2014, personally appeared in to be the person who is described in and who liged to me that he executed the same of his own
	Notary Public JANE SCIARRA A Notary Public of New Jersey My Commission Expires October 27, 2014
Douglas SCHAFER	Date: 7/25/14
State of New Jersey)	S.
County of Mercer)	
Douglas SCHAFER to me personally known	, 2014, personally appeared in to be the person who is described in and who liged to me that he executed the same of his own
	Jane Seil

6

Notary Public

JANE SCIARRA A Notary Public of New Jersey My Commission Expires October 27, 2014

N. S. L. J. J. Srinivas NIMMA	Da	nte:08/19/14
State of New Jersey County of Mercer	ess.	
Before me this \ day of \ Srinivas NIMMA to me personally known executed the above instrument, and acknowle free will for the purpose therein set forth.	i to be the perso	on who is described in and who
	Notary Pub	olic JANE SCIARRA A Notary Public of New Jersey My Commission Expires October 27, 2014
Robert STRAUB	Da	nte: <u>Ang GANY</u>
State of New Jersey County of Mercer Before me this 4 day of 8 Robert STRAUB to me personally known executed the above instrument, and acknowle free will for the purpose therein set forth.	to be the perso	
	Notary Pub	Dlic JANE SCIARRA A Notary Public of New Jersey My Commission Expires October 27, 2018

Muna TANG

Date: 7/29/2014

State of New Jersey

County of Mercer

Date: 7/29/2014

Notary Public

JANE SCIARRA A Notary Public of New Jersey My Commission Expires October 27, 2014

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, I the undersigned, **Gregory**MILLER (hereinafter referred to as "ASSIGNOR"):

Hereby sell, assign and transfer to Miami International Securities Exchange, LLC (hereinafter referred to as "ASSIGNEE"), a corporation of New Jersey, having a place of business at 7 Roszel Road, Princeton, New Jersey 08540 USA, respectively, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to the invention which is disclosed in the application for United States Letters Patent, which was filed on December 6, 2013 and accorded U.S. Patent Application No. 14/099,282, and which is entitled

Systems And Methods For Testing A Financial Trading System

and in and to said application and all provisional, divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said invention (including Patent Cooperation Treaty International Application No. PCT/US2013/073580, filed December 6, 2013, and all national and regional stage applications stemming therefrom); and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said invention;

Agree that said Assignee may apply for and receive Letters Patent for said invention in its own name, and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said invention;

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PATENT REEL: 033729 FRAME: 0086 execute all rightful oaths, assignments, powers of attorney and other papers, communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said invention and for vesting title to said invention and all applications for patents and all patents on said invention, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Jusous Milla Gregory MillER

Date: Sep 3, 2014

State of Pennsylvania)

Before me this 3² day of September , 2014, personally appeared Gregory MILLER to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

Notary Public

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL

CHRISTINE KLUMPP, Notary Public

City of Philadelphia, Phila. County

My Commission Expires March 2, 2018

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, I the undersigned, Ganesh CHITTIMALLA (hereinafter referred to as "ASSIGNOR"):

Hereby sell, assign and transfer to Miami International Securities Exchange, LLC (hereinafter referred to as "ASSIGNEE"), a corporation of New Jersey, having a place of business at 7 Roszel Road, Princeton, New Jersey 08540 USA, respectively, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to the invention which is disclosed in the application for United States Letters Patent, which was filed on December 6, 2013 and accorded U.S. Patent Application No. 14/099,282, and which is entitled

Systems And Methods For Testing A Financial Trading System

and in and to said application and all provisional, divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said invention (including Patent Cooperation Treaty International Application No. PCT/US2013/073580, filed December 6, 2013, and all national and regional stage applications stemming therefrom); and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said invention;

Agree that said Assignee may apply for and receive Letters Patent for said invention in its own name, and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said invention;

execute all rightful oaths, assignments, powers of attorney and other papers, communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said invention and for vesting title to said invention and all applications for patents and all patents on said invention, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Ganesh CHITTIMALLA

Date: 07/29/2014

State of Florida

County of Hills boronen

Before me this 29th day of 501, 2014, personally appeared Ganesh CHITTIMALLA to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth. Verified driver's License C 354-280-75-329-0

Notary Public



OLIVIA GOODMAN Notary Public, State of Florida Commission # EE 209846

My comm. expires June 20, 2016