

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2618096

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>ARI STUDNITZER</td> <td>11/06/2013</td> </tr> <tr> <td>ZACHARY BONIG</td> <td>11/06/2013</td> </tr> <tr> <td>RYAN EAVY</td> <td>11/06/2013</td> </tr> <tr> <td>FRANK KMIEC</td> <td>11/06/2013</td> </tr> </tbody> </table>		Name	Execution Date	ARI STUDNITZER	11/06/2013	ZACHARY BONIG	11/06/2013	RYAN EAVY	11/06/2013	FRANK KMIEC	11/06/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>CHICAGO MERCANTILE EXCHANGE INC.</td> </tr> <tr> <td>Street Address:</td> <td>20 SOUTH WACKER DRIVE</td> </tr> <tr> <td>City:</td> <td>CHICAGO</td> </tr> <tr> <td>State/Country:</td> <td>ILLINOIS</td> </tr> <tr> <td>Postal Code:</td> <td>60606</td> </tr> </table>		Name:	CHICAGO MERCANTILE EXCHANGE INC.	Street Address:	20 SOUTH WACKER DRIVE	City:	CHICAGO	State/Country:	ILLINOIS	Postal Code:	60606
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: (312)291-0864 Phone: 312-291-0860 Email: jpadalino@lsk-iplaw.com <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> Correspondent Name: LEMPIA SUMMERFIELD KATZ LLC Address Line 1: ONE NORTH LASALLE STREET Address Line 2: SUITE 2900 Address Line 4: CHICAGO, ILLINOIS 60602											
ATTORNEY DOCKET NUMBER:	4672-13016AUS										
NAME OF SUBMITTER:	JAMES L. KATZ										

Signature:	/James L. Katz/
Date:	11/18/2013
Total Attachments: 4 source=13016 assignment#page1.tif source=13016 assignment#page2.tif source=13016 assignment#page3.tif source=13016 assignment#page4.tif	

ASSIGNMENT

WHEREAS, Ari Studnitzer, Zachary Bonig, Ryan Eavy, and Frank Kmiec, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled TRANSACTIONALLY DETERMINISTIC HIGH SPEED FINANCIAL EXCHANGE HAVING IMPROVED, EFFICIENCY, COMMUNICATION, CUSTOMIZATION, PERFORMANCE, ACCESS, TRADING OPPORTUNITIES, CREDIT CONTROLS, AND FAULT TOLERANCE, executed by Assignors on the same date as, or on a date prior to, this Assignment;

WHEREAS, CHICAGO MERCANTILE EXCHANGE INC., a corporation organized and existing under the laws of the State of Illinois, having a place of business at 20 South Wacker Drive, Chicago, IL 60606, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

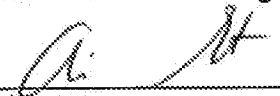
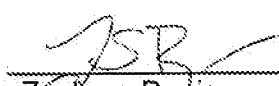
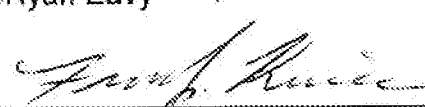
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents issuing therefrom in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to

have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignor will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

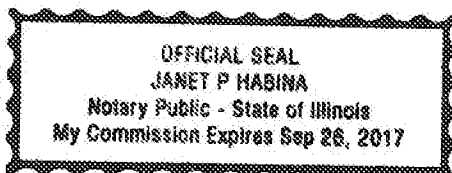
IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED:	<u>11/6/2013</u>	<u></u> Ari Studnitzer
DATED:	<u>11/6/13</u>	<u></u> Zachary Bonig
DATED:	<u>11/6/2013</u>	<u></u> Ryan Eavy
DATED:	<u>11/6/13</u>	<u></u> Frank Kmieć

STATE OF ILLINOIS)
COUNTY OF COOK) ss.

I, JANET P. HABINA, a Notary Public in and for the County and State aforesaid, do hereby certify that Ari Studnitzer, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 6th day of NOVEMBER, 2013.



Janet P. Habina
Notary Public

My Commission Expires: 9/26/17

STATE OF ILLINOIS)
COUNTY OF COOK) ss.

I, JANET P. HABINA, a Notary Public in and for the County and State aforesaid, do hereby certify that Zachary Bonig, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 6th day of NOVEMBER, 2013.

Janet P. Habina
Notary Public

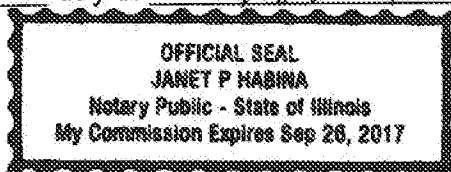
My Commission Expires: 9/26/17



STATE OF ILLINOIS)
COUNTY OF COOK) ss.

I, JANET P. HABINA, a Notary Public in and for the County and State aforesaid, do hereby certify that Ryan Eavy, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

6th IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this day of NOVEMBER, 2013.



Janet P. Habina
Notary Public

My Commission Expires: 9/26/17

STATE OF ILLINOIS)
COUNTY OF COOK) ss.

I, JANET P. HABINA, a Notary Public in and for the County and State aforesaid, do hereby certify that Frank Kmiec, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

6th IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this day of NOVEMBER, 2013.

Janet P. Habina
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