

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6019893

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ZACHARY BONIG	12/08/2016
JOSÉ ANTONIO ACUÑA-ROHTER	12/09/2016
PEARCE PECK-WALDEN	12/08/2016
JAMES BAILEY	12/07/2016
ERIC THILL	12/07/2016
DAVID LARIVIERE	12/09/2016
RECEIVING PARTY DATA	
Name:	CHICAGO MERCANTILE EXCHANGE INC.
Street Address:	20 SOUTH WACKER DRIVE
City:	CHICAGO
State/Country:	ILLINOIS
Postal Code:	60606
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16822392
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Phone:	312-291-0860
Email:	docket-us@lsk-iplaw.com, michelle.marsh@cmegroup.com
Correspondent Name:	LEMPIA SUMMERFIELD KATZ LLC/CME
Address Line 1:	20 SOUTH CLARK STREET
Address Line 2:	SUITE 600
Address Line 4:	CHICAGO, ILLINOIS 60603
ATTORNEY DOCKET NUMBER:	004672-16020E-US
NAME OF SUBMITTER:	JAMES L. KATZ
SIGNATURE:	/James L. Katz/
DATE SIGNED:	03/18/2020

Total Attachments: 10

source=Assignment1#page1.tif

source=Assignment1#page2.tif

source=Assignment1#page3.tif

source=Assignment1#page4.tif

source=Assignment1#page5.tif

source=Assignment1#page6.tif

source=Assignment1#page7.tif

source=Assignment1#page8.tif

source=Assignment1#page9.tif

source=Assignment1#page10.tif

ASSIGNMENT

WHEREAS, Zachary Bonig, José Antonio Acuña-Rohter, Pearce Peck-Walden, James Bailey, Eric Thill, and David Lariviere, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled DISTRIBUTED AND TRANSACTIONALLY DETERMINISTIC DATA PROCESSING ARCHITECTURE, executed by Assignors on the same date as, or on a date prior to, this Assignment;

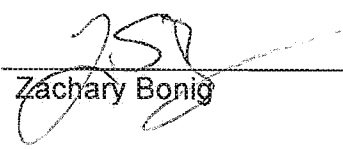
WHEREAS, CHICAGO MERCANTILE EXCHANGE INC., a corporation organized and existing under the laws of the State of Illinois, having a place of business at 20 South Wacker Drive, Chicago, IL 60606, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention 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.

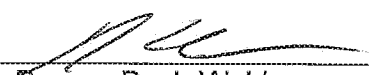
The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect 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: 12/8/16 
Zachary Bonig

DATED: _____
José Antonio Acuña-Rohter

DATED: 12/8/16 
Pearce Peck-Walden

DATED: 12/7/16 
James Bailey

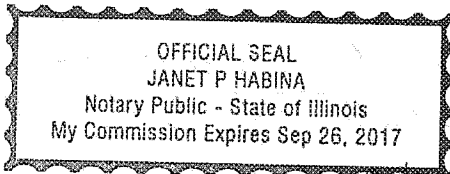
DATED: 12/7/16 
Eric Thill

DATED: _____
David Lariviere

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 8th day of December, 2016.



[Signature]
Notary Public

My Commission Expires: 9/24/17

STATE OF)
COUNTY OF) ss.

I, _____, a Notary Public in and for the County and State aforesaid, do hereby certify that José Antonio Acuña-Rohter, 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 _____ day of _____, 2016.

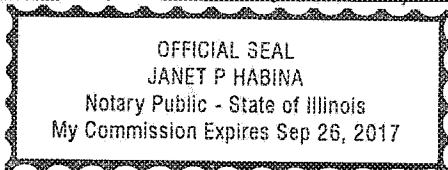
Notary Public

My Commission Expires: _____

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 Pearce Peck-Walden, 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 8m day of DECEMBER, 2016.



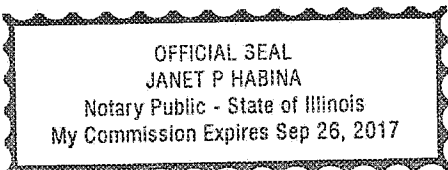
Janet P. Habina
Notary Public

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 James Bailey, 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 7m day of DECEMBER, 2016.



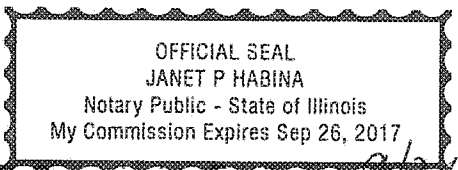
Janet P. Habina
Notary Public

My Commission Expires: 9/26/2017

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 Eric Thill, 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.

7th IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this day of DECEMBER, 2016.



Janet P. Habina
Notary Public

My Commission Expires: 9/26/17

STATE OF)
COUNTY OF) ss.

I, _____, a Notary Public in and for the County and State aforesaid, do hereby certify that David Lariviere, 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 _____ day of _____, 2016.

Notary Public

My Commission Expires: _____

Case No. 4672-16020AUS

ASSIGNMENT

WHEREAS, Zachary Bonig, José Antonio Acuña-Rohter, Pearce Peck-Walden, James Bailey, Eric Thill, and David Lariviere, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled DISTRIBUTED AND TRANSACTIONALLY DETERMINISTIC DATA PROCESSING ARCHITECTURE, 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;

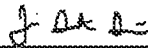
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer 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: _____ Zachary Bonig

DATED: 12/9/2016 _____
DocuSigned by: 
Jose Antonio Acuña-Rohter

DATED: _____ Pearce Peck-Walden

DATED: _____ James Bailey

DATED: _____ Eric Thill

DATED: 12/9/2016 _____
DocuSigned by: 
David Larriere

STATE OF)
) ss.
COUNTY OF)

I, _____, 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 _____ day of _____, 2016.

Notary Public

My Commission Expires: _____

STATE OF)
) ss.
COUNTY OF)

I, _____, a Notary Public in and for the County and State aforesaid, do hereby certify that José Antonio Acuña-Rohter, 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 _____ day of _____, 2016.

Notary Public

My Commission Expires: _____

STATE OF)
) ss.
COUNTY OF)

I, _____, a Notary Public in and for the County and State aforesaid, do hereby certify that Pearce Peck-Walden, 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 _____ day of _____, 2016.

Notary Public

My Commission Expires: _____

STATE OF)
) ss.
COUNTY OF)

I, _____, a Notary Public in and for the County and State aforesaid, do hereby certify that James Bailey, 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 _____ day of _____, 2016.

Notary Public

My Commission Expires: _____

STATE OF)
) ss.
COUNTY OF)

I, _____, a Notary Public in and for the County and State aforesaid, do hereby certify that Eric Thill, 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 _____ day of _____, 2016.

Notary Public

My Commission Expires: _____

STATE OF)
) ss.
COUNTY OF)

I, _____, a Notary Public in and for the County and State aforesaid, do hereby certify that David Lariviere, 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 _____ day of _____, 2016.

Notary Public

My Commission Expires: _____