PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7384523

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
PEARCE PECK-WALDEN	05/10/2016
ROSA FRENKEL	05/10/2016
ARKADIUSZ KOZIOL	05/10/2016
JOSÉ ANTONIO ACUÑA-ROHTER	05/13/2016
FRED MALABRE	05/13/2016
MELISSA JENNER	05/09/2016
PRITESHKUMAR SONI	05/12/2016

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:	17841104

CORRESPONDENCE DATA

Fax Number:

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: 3122910860

Email: jpadalino@lsk-iplaw.com, docket-us@lsk-iplaw.com

Correspondent Name: LEMPIA SUMMERFIELD KATZ LLC

Address Line 1: 20 SOUTH CLARK STREET

Address Line 2: SUITE 600

Address Line 4: CHICAGO, ILLINOIS 60603

ATTORNEY DOCKET NUMBER:	004672-16008B-US
NAME OF SUBMITTER:	MARTA G. GAMBOA
SIGNATURE: /Marta G. Gamboa/	
DATE SIGNED:	06/15/2022

Total Attachments: 18
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ASSIGNMENT

WHEREAS, Pearce Peck-Walden, Rosa Frenkel, Arkadiusz Koziol, José Antonio Acuña-Rohter, Fred Malabre, Melissa Jenner, and Priteshkumar Soni, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled SYSTEMS AND METHODS FOR CONSOLIDATING MULTIPLE FEED DATA, 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.

-1-

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:	5/10//6	Muc
		Pearce Peck-Walden
DATED:	05/10/2016	Rosa Frenkel
DATED:	05/10/2016	Arkadiusz Koziol
DATED:	05/13/2016	José Antonio Acuña-Rohter
DATED:	·	Fred Malabre
DATED:		Melissa Jenner
DATED:	05/12/2016	Priteshkumar Soni

STATE OF /LLINOIS)
COUNTY OF COOK) ss.
I,
, Notary Public
My Commission Expires: $9/26/2017$
COUNTY OF COOK)
I,
IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this day of, 2016.
Notary Public
My Commission Expires: <u>9/2レ/17</u>
OFFICIAL SEAL JANET P HABINA Notary Public - State of Illinois My Commission Expires Sep 26, 2017

1
STATE OF LUNDIS
COUNTY OF COOK) ss.
I,, a Notary Public in and for the
County and State aforesaid, do hereby certify that Arkadiusz Koziol, 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.
Jours Haleun
Notary Public
My Commission Expires: $9/26/9$
OFFICIAL SEAL
JANET P HABINA Notary Public - State of Illinois
My Commission Expires Sep 26, 2017
STATE OF 141/10/2/5
STATE OF KINDS) COUNTY OF COOK) ss.
COUNTY OF (% o K)
I, <u>JANET P HABINA</u> , 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 come and normance therein and fouth
IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this day of MAY , 2016.
$\frac{1}{1}$ day of $\frac{M}{2}$, 2016.
South Nature
Notary Public
My Commission Expires: $9/26/19$
OFFICIAL SEAL JANET P HABINA
Notary Public - State of Illinois
My Commission Expires Sep 26, 2017

- 4 -

STATE OF)		
COUNTY OF) ss.)		
to be the same person whose to before me this day in person a the said instrument as his/her set forth.	hereby certify name is subsc and acknowled free and volui DF, I have her	, a Notary Public in and for the that Fred Malabre, personally known to recribed to the foregoing instrument, appearing that (s)he signed, sealed and deliver intary act for the uses and purposes thereforeunto set my hand and Notarial Seal, the 1016.	me red red ein
		Notary Public	
My Commission Expires:			
STATE OF COUNTY OF)) ss.)		
me to be the same person water appeared before me this day in delivered the said instrument at therein set forth.	whose name in person and a sis his/her free of the DF, I have her	, a Notary Public in and for the fify that Melissa Jenner, personally known is subscribed to the foregoing instrume acknowledged that (s)he signed, sealed a and voluntary act for the uses and purpostreunto set my hand and Notarial Seal, the O16.	ent, ind ses
		Notary Public	
My Commission Expires:			

STATE OF /LX/NO)			
/ ,) ss.			
COUNTY OF CORP)			
STATE OF \(\lambda \tau \tau^2 \\ \) ss. COUNTY OF \(\lambda \tau \tau \tau \tau \tau \tau \tau \ta			
County and State aforesaid, do hereby certify that Priteshkumar Soni, 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.			
12 IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this day of, 2016.			
muit du lione			
Notary Public			
My Commission Expires: 9 ku /201			
My Commission Expires: 1/4/2011			
iny Commodical Expanses.			

OFFICIAL SEAL JANET P HABINA Notary Public - State of Illinois My Commission Expires Sep 26, 2017

ASSIGNMENT

WHEREAS, Pearce Peck-Walden, Rosa Frenkel, Arkadiusz Koziol, José Antonio Acuña-Rohter, Fred Malabre, Melissa Jenner, and Priteshkumar Soni, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled SYSTEMS AND METHODS FOR CONSOLIDATING MULTIPLE FEED DATA, 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:		
		Pearce Peck-Walden
DATED:	<u></u>	DEl-(
		Rosa Frenkel
DATED:		
and the second	/	Arkadiusz Koziol
DATED:	<u> </u>	
		José Antonio Acuña-Rohter
DATED:	5/13/2016	MATERIA
		Fred Malabre
DATED:		Melissa Jenner
		MONOPH BOISTON
DATED:		
	-	Priteshkumar Soni

COUNTY OF) ss.)	
known to me to be the same instrument, appeared before me sealed and delivered the said in and purposes therein set forth.	, a Notary Public in and for hereby certify that Pearce Peck-Walden, person person whose name is subscribed to the forego his day in person and acknowledged that (s)he sign strument as his/her free and voluntary act for the use. I have hereunto set my hand and Notarial Seal, the many set of the use.	oing ned, ses
	Notary Public	
My Commission Expires:		
to be the same person whose na before me this day in person and the said instrument as his/her fre set forth.) ss.) , a Notary Public in and for ereby certify that Rosa Frenkel, personally known to me is subscribed to the foregoing instrument, appear acknowledged that (s)he signed, sealed and delive e and voluntary act for the uses and purposes there	me ared ered rein
IN WITNESS WHEREOF day of	I have hereunto set my hand and Notarial Seal, t, 2016.	this
	Notary Public	
My Commission Expires:		

STATE OF)	
COUNTY OF) SS.)	
me to be the same person vappeared before me this day in delivered the said instrument a therein set forth.	vhose namen person and shis/her free	, a Notary Public in and for the ertify that Arkadiusz Koziol, personally known to ne is subscribed to the foregoing instrument, and acknowledged that (s)he signed, sealed and ee and voluntary act for the uses and purposes hereunto set my hand and Notarial Seal, this , 2016.
		Notary Public
My Commission Expires:		
STATE OF COUNTY OF)) ss.)	
known to me to be the sam instrument, appeared before m sealed and delivered the said and purposes therein set forth.	e person version to the this day in instrument DF, I have the	, a Notary Public in and for the rtify that José Antonio Acuña-Rohter, personally whose name is subscribed to the foregoing in person and acknowledged that (s)he signed, as his/her free and voluntary act for the uses hereunto set my hand and Notarial Seal, this , 2016.
		Notary Public
My Commission Expires:		

STATE OF NEW YORK) SS. COUNTY OF NEW YORK)	
COUNTY OF ALL YARIN)	
I, Jasow Sety Silvercaew, a Notary Public in County and State aforesaid, do hereby certify that Fred Malabre, personal me to be the same person whose name is subscribed to the foregoing appeared before me this day in person and acknowledged that (s)he signed delivered the said instrument as his/her free and voluntary act for the purposes therein set forth. IN WITNESS WHEREOF, I have hereunto set my hand and Notario day of MAY, 2016.	instrument, instrument, sealed and uses and
Motary Public JASON SETH SI My Commission Expires: 4/22/17 No. 025162 Qualified in New My Commission Expire	E OF NEW YORK 80218 York County
STATE OF)) ss. COUNTY OF)	
I,	Ily known to instrument, sealed and uses and
Notary Public	······································
My Commission Expires:	

STATE OF)	
COUNTY OF) ss.)	
to me to be the same personappeared before me this day delivered the said instrument therein set forth.	, a Notary Public in and for hereby certify that Priteshkumar Soni, personally knowhose name is subscribed to the foregoing instrumn person and acknowledged that (s)he signed, sealed as his/her free and voluntary act for the uses and purpose. DF, I have hereunto set my hand and Notarial Seal, 2016.	nown nent, I and oses
	Notary Public	
My Commission Expires:		

ASSIGNMENT

WHEREAS, Pearce Peck-Walden, Rosa Frenkel, Arkadiusz Koziol, José Antonio Acuña-Rohter, Fred Malabre, Melissa Jenner, and Priteshkumar Soni, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled SYSTEMS AND METHODS FOR CONSOLIDATING MULTIPLE FEED DATA, 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 Assigner 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>.</u>
		Pearce Peck-Walden
DATED:		
		Rosa Frenkel
DATED:	·	<u> </u>
		Arkadiusz Koziol
DATED:		
		José Antonio Acuña-Rohter
DATED:		
		Fred Malabre
DATED:	May 9, 2016	Willera 11_
		Melissa Jenner
DATED:		
		Priteshkumar Soni

COUNTY OF) ss.)	
known to me to be the same instrument, appeared before me sealed and delivered the said in and purposes therein set forth.	person whose this day in pers strument as his	, a Notary Public in and for the that Pearce Peck-Walden, personally name is subscribed to the foregoing on and acknowledged that (s)he signed, wher free and voluntary act for the uses into set my hand and Notarial Seal, this
	Ī	Notary Public
My Commission Expires:		_
	ereby certify tha	, a Notary Public in and for the at Rosa Frenkel, personally known to me
before me this day in person and the said instrument as his/her fre	acknowledged	ed to the foregoing instrument, appeared I that (s)he signed, sealed and delivered by act for the uses and purposes therein
set forth. IN WITNESS WHEREOF day of	I have hereur , 2016	nto set my hand and N otarial Seal, this
	ī	Notary Public
My Commission Expires:		_

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STATE OF)	
COUNTY OF) SS.)	
me to be the same person appeared before me this day indelivered the said instrument at therein set forth.	o hereby ce whose nam n person ar as his/her fr DF, I have	, a Notary Public in and for the rtify that Arkadiusz Koziol, personally known to be is subscribed to the foregoing instrument, and acknowledged that (s)he signed, sealed and ee and voluntary act for the uses and purposes hereunto set my hand and Notarial Seal, this , 2016.
		Notary Public
My Commission Expires:		
STATE OF COUNTY OF)) ss.)	
known to me to be the sam instrument, appeared before me sealed and delivered the said and purposes therein set forth	hereby cer ne person ne this day instrument DF, I have	, a Notary Public in and for the tify that José Antonio Acuña-Rohter, personally whose name is subscribed to the foregoing in person and acknowledged that (s)he signed, as his/her free and voluntary act for the uses hereunto set my hand and Notarial Seal, this , 2016.
		Notary Public
My Commission Expires:		

STATE OF)
COUNTY OF) ss.
County and State aforesaid, do hereby certify that Fred Malabre, 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 ZIIIno 15) ss. COUNTY OF COOK I, Barbara A Harris , a Notary Public in and for the County and State aforesaid, do hereby certify that Melissa Jenner, 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 May . 2016. Barbara A Harris , a Notary Public in and for the County and State aforesaid, do hereby certify that Melissa Jenner, 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 hotary Public Notary Public
OFFICIAL SEAL BARBARA A MARRIS Notery Public - State of illinois My Commission Expires Oct 20, 2016

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STATE OF)		
COUNTY OF) ss.)		
to me to be the same per appeared before me this of delivered the said instrum therein set forth.	erson whose name day in person and a ent as his/her free EREOF, I have her	, a Notary Public in and fy that Priteshkumar Soni, personally is subscribed to the foregoing instacknowledged that (s)he signed, sea and voluntary act for the uses and pure reunto set my hand and Notarial Seconds.	/ known trument, aled and urposes
		Notary Public	
My Commission Expires:			

RECORDED: 06/15/2022