

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5199197

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	JENNIFER YINGYING WENG	10/16/2017
	NIKHIL JOSHI	10/23/2017
	GUO CHEN	10/28/2016
	SIWEN YANG	10/13/2017
	ZIJIANG YANG	10/23/2017
	XIAOWEN XU	10/19/2017
	SHUO LIU	10/16/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	CHICAGO MERCANTILE EXCHANGE INC.	
<b>Street Address:</b>	20 SOUTH WACKER DRIVE	
<b>City:</b>	CHICAGO	
<b>State/Country:</b>	ILLINOIS	
<b>Postal Code:</b>	60606	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	15796191
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<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>		
<b>Phone:</b>	3122910860	
<b>Email:</b>	docket-us@lsk-iplaw.com, michelle.marsh@cmegroup.com	
<b>Correspondent Name:</b>	LEMPIA SUMMERFIELD KATZ LLC	
<b>Address Line 1:</b>	20 SOUTH CLARK STREET	
<b>Address Line 2:</b>	SUITE 600	
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60603	
<b>ATTORNEY DOCKET NUMBER:</b>	4672-16530ZUS	
<b>NAME OF SUBMITTER:</b>	JAMES L. KATZ	
<b>SIGNATURE:</b>	/James L. Katz/	
<b>DATE SIGNED:</b>	10/22/2018	

PATENT

**Total Attachments: 21**

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## ASSIGNMENT

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WHEREAS, Chicago Mercantile Exchange Inc., 20 South Wacker Drive, Chicago, Illinois 60606 (ASSIGNEE) desires to acquire the entire right, title and interest in and to said applications, inventions and improvements and any patents that may be granted on or as a result thereof in the United States of America (U.S.) and in any and all foreign countries;

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10/16/2017

Date

DocuSigned by:

*Jennifer Weng*

Jennifer Yingying Weng

Date

Nikhil Joshi

Date

Guo Chen

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Siwen Yang

Date

Zijiang Yang

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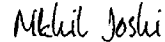
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20 South Wacker Drive  
Chicago, Illinois 60606

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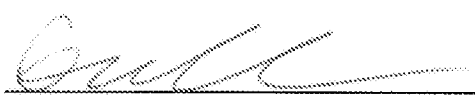
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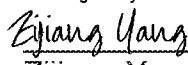
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WHEREAS, Chicago Mercantile Exchange Inc., 20 South Wacker Drive, Chicago, Illinois 60606 (ASSIGNEE) desires to acquire the entire right, title and interest in and to said applications, inventions and improvements and any patents that may be granted on or as a result thereof in the United States of America (U.S.) and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged,

We hereby assign, to the above named ASSIGNEE, its successors, assigns and legal representatives (NOMINEES), our entire right, title and interest in and to said applications (including the right to claim priority thereto), inventions and improvements throughout the world, and any and all patents, petty patents and utility model patents which may be granted therefor, and all continuations, continuations-in-part, divisions, reissues, extensions, renewals, and any non-provisional based on a provisional thereof (LETTERS PATENT).

And we covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement or do anything in conflict herewith;

And we further covenant and agree that we will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said applications, inventions and improvements, and LETTERS PATENT in the

ASSIGNEE or its NOMINEES, and we agree to communicate to said ASSIGNEE or its NOMINEES all known facts respecting said applications, inventions, improvements, and LETTERS PATENT, to testify in any legal proceedings, to sign all lawful papers, and generally to do all things necessary to aid ASSIGNEE or its NOMINEES to obtain and enforce for their own benefit patent protection for said applications, inventions and improvements in any and all countries, all at the expense, however, of the ASSIGNEE or its NOMINEES;

And we authorize the ASSIGNEE or its NOMINEES to file in our name or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEE or its NOMINEES any and all LETTERS PATENT for said applications, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

And we hereby grant the attorneys at the law firm of Banner & Witcoff the power to insert into this document the filing date and application number of the above-reference U.S. patent applications (1) and (2) once said filing date and application number are known.

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Date

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Jennifer Yingying Weng

\_\_\_\_\_  
Date

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Nikhil Joshi

\_\_\_\_\_  
Date

\_\_\_\_\_  
Guo Chen

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Date

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Siwen Yang

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Date

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Zijiang Yang

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Date


10/16/2017

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Date

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Date

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Xiaowen Xu

DocuSigned by:



\_\_\_\_\_  
Shuo Lin

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Sebastiano Rossi