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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4695490

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| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the SPELLING OF INVENTOR'S NAME previously recorded on Reel 044152 Frame 0064. Assignor(s) hereby confirms the CORRECT SPELLING IS FALCK, JOHN. |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------------|----------------|
| SCOTT JOHNSTON | 09/25/2003 |
| JOHN FALCK | 09/26/2003 |
| CHARLIE TROXEL JR. | 09/26/2003 |
| JAMES W FARRELL | 09/29/2003 |
| ARJUNA ARIATHURAI | 09/25/2003 |
| AGNES SHANTHI THIRUTHUVADOSS | 09/25/2003 |
| DAVID SALVADORI | 09/25/2003 |

RECEIVING PARTY DATA

| | |
|------------------------|----------------------------------|
| Name: | CHICAGO MERCANTILE EXCHANGE INC. |
| Street Address: | 30 SOUTH WACKER DRIVE |
| City: | CHICAGO |
| State/Country: | ILLINOIS |
| Postal Code: | 60606 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|----------------------------|----------|
| Application Number: | 13182178 |

CORRESPONDENCE DATA

Fax Number: (312)463-5001

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: 312-463-5505

Email: kkessling@bannerwitcoff.com,bwptopat@bannerwitcoff.com,Michelle.Marsh@cmagro

Correspondent Name: ASEET PATEL C/O BANNER & WITCOFF LTD.

Address Line 1: 10 S. WACKER DRIVE

Address Line 2: SUITE 3000

Address Line 4: CHICAGO, ILLINOIS 60606

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|--------------------------------|--------------|
| ATTORNEY DOCKET NUMBER: | 006119.00246 |
| NAME OF SUBMITTER: | ASEET PATEL |

| | |
|--|---------------|
| SIGNATURE: | /Aseet Patel/ |
| DATE SIGNED: | 11/17/2017 |
| Total Attachments: 5 source=Incorrect 006119.00246 Notice of Recordation#page1.tif source=Incorrect 006119.00246 Notice of Recordation#page2.tif source=Incorrect 006119.00246 Notice of Recordation#page3.tif source=Incorrect 006119.00246 Notice of Recordation#page4.tif source=Incorrect 006119.00246 Notice of Recordation#page5.tif | |

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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4692703

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| SCOTT JOHNSTON | 09/25/2003 |
| JOHN FALEK | 09/26/2003 |
| CHARLIE TROXEL JR | 09/26/2003 |
| JAMES W FARRELL | 09/29/2003 |
| ARJUNA ARIATHURAI | 09/25/2003 |
| AGNES SHANTHI THIRUTHUVADOSS | 09/25/2003 |
| DAVID SALVADORI | 09/25/2003 |
| RECEIVING PARTY DATA | |
| Name: | CHICAGO MERCANTILE EXCHANGE INC. |
| Street Address: | 30 S. WACKER DRIVE |
| City: | CHICAGO |
| State/Country: | ILLINOIS |
| Postal Code: | 60606 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 13182178 |
| CORRESPONDENCE DATA | |
| Fax Number: | (312)463-5001 |
| <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: | 312-463-5505 |
| Email: | kkessling@bannerwitcoff.com,bwptopat@bannerwitcoff.com,Michelle.Marsh@cmegro |
| Correspondent Name: | ASEET PATEL C/O BANNER & WITCOFF LTD. |
| Address Line 1: | 10 S. WACKER DRIVE |
| Address Line 2: | SUITE 3000 |
| Address Line 4: | CHICAGO, ILLINOIS 60606 |
| ATTORNEY DOCKET NUMBER: | 006119.00246 |
| NAME OF SUBMITTER: | ASEET PATEL |
| SIGNATURE: | /Aseet Patel/ |
| DATE SIGNED: | 11/16/2017 |

ASSIGNMENT

WHEREAS, we,

Scott Johnston
1031 Woodbine
Oak Park, Illinois 60302

John Falck
1109 West Webster, #2
Chicago, Illinois 606014

Charlie Troxel, Jr.
1516 Cascade Court
Naperville, Illinois 60565

James W. Farrell
684 Larch Drive
Carol Stream, Illinois 60188

Arjuna Ariathurai
3627 N. Marshfield Ave.
Chicago, Illinois 60613

Agnes Shanthi Thiruthuvadoss
33 West Huron, #314
Chicago, Illinois 60613

David Salvadori
176 Dallas Drive
Bartlett, Illinois 60103

(ASSIGNORS), are the inventors of certain inventions and improvements described in a U.S. patent application and having the title

ORDER RISK MANAGEMENT SYSTEM

which application was

executed on 9/25/03, 9/26/03 and 9/29/03 or

filed on _____ and assigned application serial number _____;

and WHEREAS

Chicago Mercantile Exchange, Inc.
30 South Wacker Drive
Chicago, Illinois 60606

ASSIGNEE, desires to acquire the entire right, title and interest in and to the said application, 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,

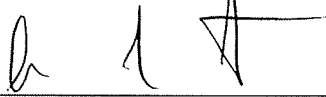
We hereby assign, to the above named ASSIGNEE, its successors, assigns and legal representatives (NOMINEES) the entire right, title and interest in and to said application, inventions and improvements throughout the world and to any and all patents, petty patents and utility model patents which may be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

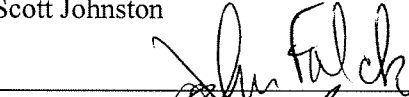
And we covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement or do anything in conflict herewith;

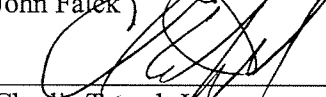
And we further covenant and agree that we will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said application, inventions and improvements, and LETTERS PATENT in the ASSIGNEE or its NOMINEES, and we agree to communicate to said ASSIGNEE or its NOMINEES all known facts respecting said application, 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 application, inventions and improvements in any and all countries, all at the expense, however, of the ASSIGNEE or its NOMINEES;

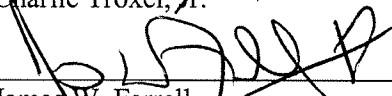
And we authorize the ASSIGNEE or its NOMINEES to file in our names or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country,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

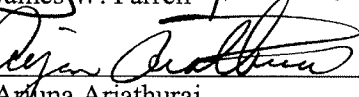
And we hereby grant the attorneys at the law firm of Banner & Witcoff the power to insert into this document information sufficient to identify the patent application to which this assignment pertains.

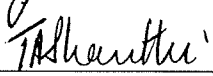
Date: 9/25/03 Inventor: 
 Scott Johnston

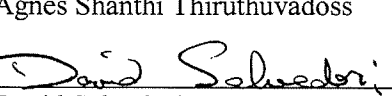
Date: 9/26/03 Inventor: 
 John Falck

Date: 9/26/03 Inventor: 
 Charlie Troxel, Jr.

Date: 9-29-03 Inventor: 
 James W. Farrell

Date: 9/25 Inventor: 
 Arjuna Ariathurai

Date: 9/25/03 Inventor: 
 Agnes Shanthi Thiruthuvadoss

Date: 9/25/03 Inventor: 
 David Salvadori

Note: No legalization or other witness required.

LAW OFFICES
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