#### 503555325 11/04/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3601952

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

### **CONVEYING PARTY DATA**

Name	Execution Date
MARKETAXESS HOLDINGS INC.	10/30/2015

# **RECEIVING PARTY DATA**

Name:	JPMORGAN CHASE BANK, N.A.	
Street Address:	10 SOUTH DEARBORN, FL. L2S	
Internal Address:	LOAN AND AGENCY SERVICES GROUP	
City:	CHICAGO	
State/Country:	ILLINOIS	
Postal Code:	60603	

# **PROPERTY NUMBERS Total: 3**

Property Type	Number
Patent Number:	8527396
Patent Number:	8682777
Patent Number:	8392314

# **CORRESPONDENCE DATA**

Fax Number: (415)541-0506

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: (415) 278-9063

Email: catchoo@chapman.com **Correspondent Name: CATHERINE CHOO** 

595 MARKET STREET, 26TH FLOOR Address Line 1:

Address Line 2: CHAPMAN AND CUTLER LLP

Address Line 4: SAN FRANCISCO, CALIFORNIA 94105

NAME OF SUBMITTER: CATHERINE CHOO  SIGNATURE: /catherine choo/	
SIGNATURE: /catherine choo/	
<b>DATE SIGNED:</b> 11/04/2015	
This document serves as an Oath/Declaration	on (37 CFR 1.63).

**Total Attachments: 7** 

**PATENT REEL: 036962 FRAME: 0970** 

503555325



RECORDATION FO PATENT	RM COVER SHEET  SONLY
***************************************	e record the attached documents or the new address(es) below.
1. Name of conveying party(les)	2. Name and address of receiving party(ies)
MarketAxess Holdings Inc.	Name: JPMorgan Chase Bank, N.A.
	Internal Address: Loan and Agency Services Group
Additional name(s) of conveying party(ies) attached? Yes X No	
3. Nature of conveyance/Execution Date(s):	Street Address: 10 South Dearborn, Floor L2S
Execution Date(s) October 30, 2015	
Assignment Merger	City: Chicago
	Say. canada
Joint Research Agreement	State: Illinois
Government Interest Assignment	Country: USA Zip:60603
Executive Order 9424, Confirmatory License	
Other	Additional name(s) & address(es) attached? Yes No
4. Application or patent number(s):	document is being filed together with a new application.
A. Patent Application No.(s)	B. Patent No.(s)
See Schedule A attached hereto.	See Schedule A attached hereto.
Additional numbers at	tached? XYes No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 3
Name: Catherine Choo	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 0.00
Internal Address: Chapman and Cutler LLP	
	Authorized to be charged to deposit account
Street Address: 595 Market Street, 26th Floor	Enclosed
Off Coff Additions 1929 Ministrat Offeat, 2011 Fibor	None required (government interest not affecting title)
City: San Francisco	8. Payment Information
State: CA Zip:94105	
Phone Number: (415) 541-0500	
Docket Number:	Deposit Account Number
Email Address: catchoo@chapman.com	Authorized User Name
9. Signature:	
Signature. Signature	November 4, 2015 Date
	Total number of pages including cover
Name of Person Signing	sheet, attachments, and documents:
Documents to be recorded (including cover she	et) should be faxed to (571) 273-0140, or mailed to: of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

# SCHEDULE A to PATENT RECORDATION FORM

# PATENT REGISTRATIONS

Grantor	Patent Name	Patent Number	Issue Date
MarketAxess Holdings Inc.	Claims focus on tie-breaking function when receiving multiple bids that are tied for best.	8,527,396	Issued Sep. 3, 2013
MarketAxess Holdings Inc.	Claims emphasize live display of submitted orders on a screen for purposes of matching and executing orders	8,682,777	Issued March 25, 2014
MarketAxess Holdings Inc.	Claims involve bond instrument trading where a 'workup' period is initiated between traders to facilitate the trade	8,392,314	Issued March 5, 2013

### PATENT SECURITY AGREEMENT

This PATENT SECURITY AGREEMENT (this "Agreement"), dated as of October 30, 2015, is made by MarketAxess Holdings Inc. (the "Grantor"), in favor of JPMorgan Chase Bank, N.A., as administrative agent for the Secured Parties defined in the Credit Agreement referred to below (in such capacity, the "Administrative Agent").

# WITNESSETH:

WHEREAS, pursuant to that certain Amended and Restated Credit Agreement dated as of October 30, 2015 (as amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement") by and among the Grantor, as Borrower, the lenders from time to time party thereto (the "Lenders") and the Administrative Agent, the Lenders have agreed to extend credit and make certain financial accommodations to the Grantor;

WHEREAS, the Lenders are willing to extend credit and make such financial accommodations under the Credit Agreement, but only upon the condition, among others, that the Grantor shall have executed and delivered to the Administrative Agent, for the benefit of the Secured Parties, that certain Amended and Restated Pledge and Security Agreement dated as of October 30, 2015 (as amended, restated, supplemented or otherwise modified from time to time, the "Security Agreement"); and

WHEREAS, pursuant to the Credit Agreement and the Security Agreement, the Grantor is required to execute and deliver to the Administrative Agent this Agreement;

NOW, THEREFORE, in consideration of the premises and mutual covenants herein contained and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor hereby agrees as follows:

- <u>DEFINED TERMS</u>. All capitalized terms used but not otherwise defined herein have the meanings given to them in the Security Agreement.
- **GRANT OF SECURITY INTEREST IN PATENT COLLATERAL**. The Grantor hereby grants to the Administrative Agent, on behalf of and for the benefit of the Secured Parties, a continuing first priority security interest in all of the Grantor's right, title and interest in, to and under the following, whether presently existing or hereafter created or acquired (collectively, the "Patent Collateral"):
  - 2.1. all of its Patents, including those referred to on Schedule I hereto;
- all reissues, divisions, continuations, renewals, extensions and continuations-inpart of the foregoing;
- all income, royalties, damages, claims, and payments now or hereafter due or 2.3. payable under and with respect thereto, including, without limitation, damages and payments for past and future infringements of the foregoing;
  - 2.4. all rights to sue for past, present, and future infringements of the foregoing; and
- all proceeds of the foregoing, including, without limitation, any claim by the Grantor against third parties for past, present or future infringement or dilution of any Patent.
- Notwithstanding anything to the contrary contained in this Section 2, the security interest created by this Agreement shall not extend to any Excluded Property.

- 3. <u>SECURITY AGREEMENT</u>. The security interests granted pursuant to this Agreement are granted in conjunction with the security interests granted to the Administrative Agent pursuant to the Security Agreement. The Grantor hereby acknowledges and affirms that the rights and remedies of the Administrative Agent with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event of a conflict between the provisions of this Agreement and the Security Agreement, the Security Agreement shall control.
- 4. <u>AMENDMENTS IN WRITING</u>. None of the terms or provisions of this Agreement may be waived, amended, supplemented or otherwise modified except by an instrument in writing signed by the Administrative Agent and the Grantor.
- 5. <u>TERMINATION</u>. This Agreement shall continue in effect (notwithstanding the fact that from time to time there may be no Secured Obligations outstanding) until all of the Secured Obligations have been Paid in Full (or with respect to any outstanding Letters of Credit, (a) a deposit of cash or Cash Equivalent Investments, (b) cash collateralization in a manner consistent with Section 2.05(j) of the Credit Agreement, or (c) at the reasonable discretion of the Administrative Agent, a back up standby Letter of Credit satisfactory to the Administrative Agent has been delivered to the Administrative Agent) and the Commitments are terminated.
- 6. <u>GOVERNING LAW</u>. This Agreement and the rights and obligations of the parties hereto shall be governed by, and construed in accordance with, the laws of the State of New York.
- 7. <u>COUNTERPARTS</u>. This Agreement may be executed in any number of counterparts and by the different parties hereto on separate counterparts and each such counterpart shall be deemed to be an original, but all such counterparts shall together constitute but one and the same Agreement. Receipt by telecopy or other electronic transmission (including "PDF") of any executed signature page to this Agreement shall constitute effective delivery of such signature page.

[Remainder of this page intentionally left blank]

IN WITNESS WHEREOF, the Grantor has caused this Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

GRANTOR:

MARKETAXESS HOLDINGS INC.

By:

Name: Antonio L. DeLise

Title: Chief Financial Officer

# JPMORGAN CHASE BANK, N.A.,

as Administrative Agent

By: Name: Jennifer M. Dunneback

Title:

Vice President

# SCHEDULE I to PATENT SECURITY AGREEMENT

# PATENT REGISTRATIONS

Grantor	Patent Name	Patent Number	Issue Date
MarketAxess Holdings Inc.	Claims focus on tie-breaking function when receiving multiple bids that are tied for best.	8,527,396	Issued Sep. 3, 2013
MarketAxess Holdings Inc.	Claims emphasize live display of submitted orders on a screen for purposes of matching and executing orders	8,682,777	Issued March 25, 2014
MarketAxess Holdings Inc.	Claims involve bond instrument trading where a 'workup' period is initiated between traders to facilitate the trade	8,392,314	Issued March 5, 2013

**PATENT APPLICATIONS** 

NONE

Schedule 1

**RECORDED: 11/04/2015**