

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6625252

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
XF, LLC (FORMERLY, "ROSENTHAL COLLINS GROUP, LLC")	03/23/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PRIME TRADING, LLC
<b>Street Address:</b>	111 WEST JACKSON BOULEVARD
<b>Internal Address:</b>	SUITE 1310
<b>City:</b>	CHICAGO
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60604
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	7734533
<b>Patent Number:</b>	7649000
<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>	3127865105
<b>Email:</b>	abby@genellylaw.com
<b>Correspondent Name:</b>	DAVID A. GENELLY
<b>Address Line 1:</b>	150 N MICHIGAN AVE STE 2800
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60601
<b>NAME OF SUBMITTER:</b>	ABIGAIL VANDERHART
<b>SIGNATURE:</b>	/Abigail VanderHart/
<b>DATE SIGNED:</b>	03/26/2021
<b>Total Attachments: 4</b>	
source=Assignment of Rights patent 7,734,533 (Fully Executed)#page1.tif	
source=Assignment of Rights patent 7,734,533 (Fully Executed)#page2.tif	
source=Assignment of Rights patent 7,649,000 (Fully Executed)#page1.tif	
source=Assignment of Rights patent 7,649,000 (Fully Executed)#page2.tif	

**ASSIGNMENT OF RIGHTS  
TO ISSUED PATENT NO. 7,734,533**

XF, LLC, formerly known as Rosenthal Collins Group, LLC ("RCG" or the "Assignor"), being the current assignee of U.S. Patent Number 7,734,533 issued December 7, 2010, entitled "Method and System for Electronic Trading Via a Yield Curve," Inventor Richard Mackey ("the Patent"), desires to assign all of its title, right, and interest in the Patent to Prime Trading, LLC ("Prime" or "Assignee"); Prime desires to acquire all such title, right and interest in the Patent.

Therefore, for valuable consideration, the receipt of which is acknowledged, Assignor assigns to Assignee all of Assignor's title and interest (100%) in the invention and Patent to Assignee for the entire term of the Patent and any reissues or extensions and for the entire terms of any patents, reissues or extensions that may issue from foreign applications, divisions, continuations in whole or part, or substitute applications filed claiming the benefit of the Patent. The right, title, and interest conveyed in this Assignment is to be held and enjoyed by Assignee and Assignee's successors to the same extent as it would have been held and enjoyed by Assignor had this assignment not been made.

Assignor further agrees, at Assignee's expense, to: (a) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer; and (b) perform such other acts as Assignee lawfully may reasonably request to obtain or maintain the Patent and any and all applications and registrations for the invention in any and all countries. Assignee agrees to defend and hold harmless Assignor from all claims of third parties with respect to use of the Patent following the date of this Assignment.

Date: March 23, 2021

**ASSIGNOR – XF, LLC, formerly known as  
ROSENTHAL COLLINS GROUP, LLC**

By: *Regina C. Rafferty*  
Its: *Manager*

**ASSIGNEE – Prime Trading, LLC**

By: *Kevin F. Hines*  
Its: *President*

On this 23<sup>rd</sup> day of March, before me, *Catherine L. Hawley*, the undersigned Notary Public, personally appeared *Regina C. Rafferty* on behalf of ASSIGNOR, XF, LLC, formerly known as ROSENTHAL COLLINS GROUP, LLC, personally known to me (or

provided to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he or she executed the same. WITNESS my hand and official seal in Chicago Illinois, County of DuPage on the date set forth in this certificate.

Catherine L. Handler

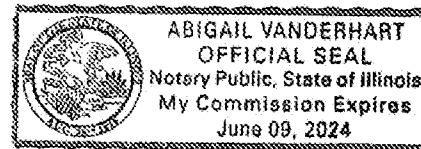
Notary Public



On this 22<sup>nd</sup> day of March, before me, Abigail VanderHart, the undersigned Notary Public, personally appeared Kenin Davis on behalf of ASSIGNEE Prime Trading, LLC, personally known to me (or provided to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he or she executed the same. WITNESS my hand and official seal in Chicago Illinois, County of Cook on the date set forth in this certificate.

Abigail VanderHart

Notary Public



**ASSIGNMENT OF RIGHTS  
TO ISSUED PATENT NO. 7,649,000**

XF, LLC, formerly known as Rosenthal Collins Group, LLC ("RCG" or the "Assignor"), being the current assignee of U.S. Patent Number 7,649,000, issued December 7, 2010, entitled "Method and System for Electronic Trading Via a Yield Curve," Inventor Richard Mackey ("the Patent"), desires to assign all of its title, right, and interest in the Patent to Prime Trading, LLC ("Prime" or "Assignee"); Prime desires to acquire all such title, right and interest in the Patent.

Therefore, for valuable consideration, the receipt of which is acknowledged, Assignor assigns to Assignee all of Assignor's title and interest (100%) in the invention and Patent to Assignee for the entire term of the Patent and any reissues or extensions and for the entire terms of any patents, reissues or extensions that may issue from foreign applications, divisions, continuations in whole or part, or substitute applications filed claiming the benefit of the Patent. The right, title, and interest conveyed in this Assignment is to be held and enjoyed by Assignee and Assignee's successors to the same extent as it would have been held and enjoyed by Assignor had this assignment not been made.

Assignor further agrees, at Assignee's expense, to: (a) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer; and (b) perform such other acts as Assignee lawfully may reasonably request to obtain or maintain the Patent and any and all applications and registrations for the invention in any and all countries. Assignee agrees to defend and hold harmless Assignor from all claims of third parties with respect to use of the Patent following the date of this Assignment.

Date: March 23, 2021

**ASSIGNOR – XF, LLC, formerly known as  
ROSENTHAL COLLINS GROUP, LLC**

By: Regina C. Rafferty

Its: Manager

**ASSIGNEE – Prime Trading, LLC**

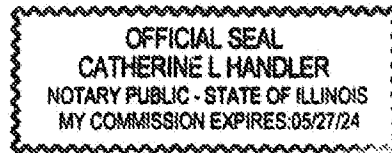
By: Kurt Reis

Its: President

On this 23<sup>rd</sup> day of March, before me, CATHERINE L. HANDLER, the undersigned Notary Public, personally appeared REGINA C. RAFFERTY on behalf of ASSIGNOR, XF, LLC, formerly known as ROSENTHAL COLLINS GROUP, LLC, personally known to me (or

provided to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he or she executed the same. WITNESS my hand and official seal in Chicago Illinois, County of DuPage on the date set forth in this certificate.

Catherine L. Handler  
Notary Public



On this 22<sup>nd</sup> day of March, before me, Abigail VanderHart, the undersigned Notary Public, personally appeared Kevin Davis on behalf of ASSIGNEE Prime Trading, LLC, personally known to me (or provided to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he or she executed the same. WITNESS my hand and official seal in Chicago Illinois, County of Cook on the date set forth in this certificate.

Abigail VanderHart  
Notary Public

