

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3008754

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
NYFIX, INC.		05/30/2014
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	NYSE GROUP, INC.	
<b>Street Address:</b>	11 WALL STREET	
<b>City:</b>	NEW YORK	
<b>State/Country:</b>	NEW YORK	
<b>Postal Code:</b>	10005	
<b>PROPERTY NUMBERS Total: 12</b>		
<b>Property Type</b>	<b>Number</b>	
Patent Number:	8140423	
Patent Number:	8290855	
Patent Number:	8392319	
Patent Number:	5633660	
Application Number:	60281686	
Application Number:	10116525	
Application Number:	08017019	
Application Number:	10825726	
Patent Number:	7818236	
Patent Number:	D348661	
PCT Number:	US2005042735	
PCT Number:	US2005012987	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(215)656-2498	
<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>	215-656-3385	
<b>Email:</b>	pto.phil@dlapiper.com	
<b>Correspondent Name:</b>	PAUL A. TAUFER, DLA PIPER LLP (US)	
<b>Address Line 1:</b>	1650 MARKET STREET, SUITE 4900	
<b>Address Line 4:</b>	PHILADELPHIA, PENNSYLVANIA 19103	

PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	NYF-1-A
<b>NAME OF SUBMITTER:</b>	NANCY NUNEZ
<b>SIGNATURE:</b>	/NN/
<b>DATE SIGNED:</b>	09/04/2014
<b>Total Attachments: 6</b> source=AssignmenttoNGI#page1.tif source=AssignmenttoNGI#page2.tif source=AssignmenttoNGI#page3.tif source=AssignmenttoNGI#page4.tif source=AssignmenttoNGI#page5.tif source=AssignmenttoNGI#page6.tif	

**ASSIGNMENT OF PATENTS**

This ASSIGNMENT OF PATENTS (this "Assignment"), dated as of May 30, 2014, is made by and between NYFIX, Inc., a Delaware corporation ("Assignor"), and NYSE Group, Inc., a Delaware corporation ("Assignee") (each a "party," and collectively, the "parties").

WHEREAS, Assignor is the owner of each of the patents and patent applications set forth on Schedule A hereto, and any and all other patents and patent applications that are at any time linked to the foregoing through one or more claims of priority pursuant to 35 U.S.C. §§ 120 or 119(e) (or the equivalent laws or regulation of any other patent authority) or by a terminal disclaimer including under 35 U.S.C. § 253 or 37 CFR 1.321 (or the equivalent laws or regulation of any other patent authority), as well as all utility models, continuations, continuations-in-part, divisions and foreign counterparts of any of the foregoing, including all reissues, renewals, revisions, revivals, reexaminations and extensions related to any of the foregoing (collectively, the "Patents"); and

WHEREAS, Assignee wishes to acquire the Patents from Assignor, and Assignor wishes to assign the Patents to Assignee.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree as follows:

1. Assignment. Effective as of the date hereof, Assignor does hereby assign and transfer to Assignee, and Assignee does hereby acquire and accept from Assignor, all of Assignor's right, title and interest in, to and under the Patents, including all rights therein provided by international conventions and treaties, all rights of priority and all rights to sue and recover damages for past, present and future infringement or other violation thereof or conflict therewith.

2. Further Assurances. (a) Assignor shall (i) execute and deliver at the request of Assignee, all papers, instruments and assignments, and perform any other reasonable acts Assignee may require in order to (A) update the public records with the correct registered owner's name of any of the Patents and/or (B) vest all Assignor's rights, title, and interest in and to the Patents in Assignee and (ii) provide reasonable evidence as necessary to document any of the foregoing.

(b) If Assignee is unable for any reason to secure Assignor's signature to any document Assignee is entitled to under this Section 2, Assignor hereby irrevocably designates and appoints Assignee, and Assignee's duly authorized officers, agents and representatives, as its agents and attorneys-in-fact with full power of substitution to act for and on the behalf and instead of Assignor, to execute and file any such document or documents and to do all other lawfully permitted acts to further the purposes of this Assignment with the same legal force and effect as if executed by Assignor. Assignor shall not enter into any agreement in conflict with this Assignment.

3. Due Authorization. Assignor hereby authorizes and requests the Commissioner of Patents of the United States and any other official of any applicable governmental authority to record this Assignment and issue any and all patents from any and all patent applications included in the Patents to and in the name of Assignee.

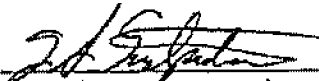
4. Governing Law. This Assignment shall be governed by, and construed in accordance with, the laws of the State of New York applicable to contracts executed in and to be performed in that State, without regard to the conflicts of law principles of such State.

5. Counterparts. This Assignment may be executed and delivered (including by facsimile transmission or pdf. copy) in one or more counterparts, and by the different parties hereto in separate counterparts, each of which when executed shall be deemed to be an original, but all of which taken together shall constitute one and the same agreement.

[Remainder of page intentionally left blank]

IN WITNESS WHEREOF, each party has caused this Assignment to be executed  
by its duly authorized representative.

NYFIX, INC.

By:   
Name: T. Scott Fitzgerald  
Title: COO

NYSE GROUP, INC.

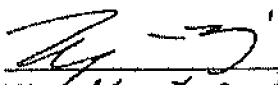
By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

IN WITNESS WHEREOF, each party has caused this Assignment to be executed by its duly authorized representative.

NYFIX, INC.

By: \_\_\_\_\_  
Name:  
Title:

NYSE GROUP, INC.

By:   
Name: *Martha Redelt*  
Title: *Assistant Secretary*

**SCHEDULE A****PATENTS**

<b>Title</b>	<b>Country</b>	<b>Patent No. / Date</b>	<b>App. No. / Filed</b>	<b>Owner</b>	<b>Status</b>
CONTROLLING AN ORDER SLICER FOR TRADING A FINANCIAL INSTRUMENT	AU	316891 10/27/2011	316891 11/23/2005	NYFIX, Inc.	Granted
CONTROLLING AN ORDER SLICER FOR TRADING A FINANCIAL INSTRUMENT	AU	N/A	200423 01/25/2012	NYFIX, Inc.	Pending
CONTROLLING AN ORDER SLICER FOR TRADING A FINANCIAL INSTRUMENT	CA	N/A	2590069 6/22/2006	NYFIX, Inc.	Pending
CONTROLLING AN ORDER SLICER FOR TRADING A FINANCIAL INSTRUMENT	CN	N/A	101120371 2/6/2008	NYFIX, Inc.	Pending
CONTROLLING AN ORDER SLICER FOR TRADING A FINANCIAL INSTRUMENT	EP	N/A	825500 11/23/2005	NYFIX, Inc.	Pending
CONTROLLING AN ORDER SLICER FOR TRADING A FINANCIAL INSTRUMENT	JP	N/A	545508 11/23/2005	NYFIX, Inc.	Pending
CONTROLLING AN ORDER SLICER FOR TRADING A FINANCIAL INSTRUMENT	US	8140423 03/20/2012	11009194 12/10/2004	NYFIX, Inc.	Granted
CONTROLLING AN ORDER SLICER FOR TRADING A FINANCIAL INSTRUMENT	US	8290855 10/16/2012	13369025 2/8/2012	NYFIX, Inc.	Granted
CONTROLLING AN ORDER SLICER FOR TRADING A FINANCIAL INSTRUMENT	US	8392319 3/5/2013	13424118 3/19/2012	NYFIX, Inc.	Granted
INTEGRATED TOUCH SCREEN INPUT DEVICE	US	5633660 5/27/1997	08430887 4/28/1995	NYFIX, Inc.	Granted
PROCESS FOR PROVIDING TIMELY QUALITY INDICATION OF MARKET TRADES	BR	N/A	509937 04/15/2005	NYFIX, Inc.	Pending
PROCESS FOR PROVIDING TIMELY QUALITY INDICATION OF MARKET TRADES	CA	N/A	2578655 04/15/2005	NYFIX, Inc.	Pending
PROCESS FOR PROVIDING TIMELY QUALITY INDICATION OF MARKET TRADES	CN	N/A	80015581 04/15/2005	NYFIX, Inc.	Pending
PROCESS FOR PROVIDING TIMELY QUALITY INDICATION OF MARKET TRADES	CN	N/A	10295859 04/15/2005	NYFIX, Inc.	Pending
PROCESS FOR PROVIDING TIMELY QUALITY INDICATION OF MARKET TRADES	EP	N/A	734156 04/15/2005	NYFIX, Inc.	Pending
PROCESS FOR PROVIDING TIMELY QUALITY INDICATION OF MARKET TRADES	HK	N/A	13111101 04/15/2005	NYFIX, Inc.	Pending

Schedule A to Assignment of Patents

Title	Country	Patent No. / Date	App. No. / Filed	Owner	Status
PROCESS FOR PROVIDING TIMELY QUALITY INDICATION OF MARKET TRADES	HK	N/A	8103568 04/15/2005	NYFIX, Inc.	Pending
PROCESS FOR PROVIDING TIMELY QUALITY INDICATION OF MARKET TRADES	US	N/A	10825726 4/15/2004	NYFIX, Inc.	Pending
SYSTEM FOR AGGREGATING EXECUTIONS IN A COMMUNICATION NETWORK FOR SECURITIES TRANSACTIONS AND THE LIKE	US	7818236 10/19/2010	10939217 9/13/2004	NYFIX, Inc.	Granted
INTEGRATED TOUCH SCREEN INPUT DEVICE	US	N/A	08/017019 2/12/1993	NYFIX, Inc.	Abandoned
FINANCIAL LANGUAGE INTERNET REAL-TIME TRADING	US	N/A	10/116525 4/4/2002	NYFIX USA, LLC	Abandoned
CONTROLLING AN ORDER SLICER FOR TRADING A FINANCIAL INSTRUMENT	CN	N/A	200580046533.2 11/23/2005	NYFIX, Inc.	Abandoned
PROCESS FOR PROVIDING TIMELY QUALITY INDICATION OF MARKET TRADES	JP	N/A	508600 4/15/2005	NYFIX, Inc.	Abandoned
CONTROLLING AN ORDER SLICER FOR TRADING A FINANCIAL INSTRUMENT	EP	N/A	2011192663 11/23/2005	NYFIX, Inc.	Abandoned
TOUCH PANEL KEYBOARD	US	D348661	29/004854 2/12/1993	NYFIX, Inc.	Expired
CONTROLLING AN ORDER SLICER FOR TRADING A FINANCIAL INSTRUMENT	HK	N/A	8108057 7/22/2008	NYFIX, Inc.	Abandoned
SYSTEM FOR PROVIDING STEP OUT COMMISSIONS AND COMPENSATION FOR RESEARCH BROKERS	WO	N/A	PCT/US2005/004234 2/11/2005	NYFIX, Inc.	Expired
PROCESS FOR PROVIDING TIMELY QUALITY INDICATION OF MARKET TRADES	WO	N/A	PCT/US2005/012987 4/15/2005	NYFIX, Inc.	Expired
CONTROLLING AN ORDER SLICER FOR TRADING A FINANCIAL INSTRUMENT	WO	N/A	PCT/US2005/042735 11/23/2005	NYFIX, Inc.	Expired
AGED TRANSACTIONS IN A TRADING SYSTEM	WO	N/A	PCT/US2008/064299 5/21/2008	NYFIX, Inc.	Expired

Schedule A to Assignment of Patents