

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Paul D. Filipski</td><td>10/04/2011</td></tr><tr><td>Christian A. Dubois</td><td>10/04/2011</td></tr><tr><td>John Mark Enriquez</td><td>10/04/2011</td></tr></tbody></table>		Name	Execution Date	Paul D. Filipski	10/04/2011	Christian A. Dubois	10/04/2011	John Mark Enriquez	10/04/2011				
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Christian A. Dubois	10/04/2011												
John Mark Enriquez	10/04/2011												
RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Pulse Trading, Inc.</td></tr><tr><td>Street Address:</td><td>2 Liberty Square</td></tr><tr><td>Internal Address:</td><td>2nd Floor</td></tr><tr><td>City:</td><td>Boston</td></tr><tr><td>State/Country:</td><td>MASSACHUSETTS</td></tr><tr><td>Postal Code:</td><td>02109</td></tr></table>		Name:	Pulse Trading, Inc.	Street Address:	2 Liberty Square	Internal Address:	2nd Floor	City:	Boston	State/Country:	MASSACHUSETTS	Postal Code:	02109
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PROPERTY NUMBERS Total: 1													
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Application Number:	12050863												
CORRESPONDENCE DATA													
Fax Number: (617)342-4001													
Phone: 6173424000													
Email: PtoMailBoston@foley.com, jlynch@foley.com													
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name: John D. Lanza													
Address Line 1: 111 Huntington Avenue													
Address Line 2: Foley & Lardner LLP													
Address Line 4: Boston, MASSACHUSETTS 02199													
ATTORNEY DOCKET NUMBER:	099157-0003												
NAME OF SUBMITTER:	Jennifer Lynch for John D. Lanza												
Total Attachments: 3 source=BLCR002ExecutedAssignmentPulse#page1.tif source=BLCR002ExecutedAssignmentPulse#page2.tif source=BLCR002ExecutedAssignmentPulse#page3.tif													

OP \$40.00 12050863

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PATENT
REEL: 027013 FRAME: 0878

ASSIGNMENT BY INVENTOR

Whereas, we, Paul D. Filipski, a citizen of the United States, having a mailing address at 7 Grace Circle, Natick, MA; Christian A. Dubois, a citizen of the United States, having a mailing address at 4 Emerald Circle, Hingham, MA; and John Mark Enriquez, a citizen of the United States, having a mailing address at 50 Old Littleton Road, Harvard, MA; (hereinafter referred to as "Assignors"); are inventors of certain new and useful inventions and discoveries, for which an application for Letters Patent entitled "SYSTEMS AND METHODS FOR FACILITATING ELECTRONIC SECURITIES TRANSACTIONS" has been filed in the United States Patent and Trademark Office on March 18, 2008 and assigned Serial No. 12/050863; and

WHEREAS, Pulse Trading, Inc., having its principal place of business at 2 Liberty Square, 2nd Floor Boston, MA 02109 (hereinafter referred to as "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect counterparts, predecessors, divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and any other current or future patents or patent applications claiming a priority date arising from any of the foregoing in any jurisdiction and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers

and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of their successors, legal representatives and assigns, shall advise.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

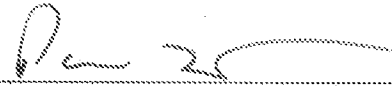
WILMER CUTLER PICKERING HALE AND DORR LLP

FOLEY & LARDNER LLP

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

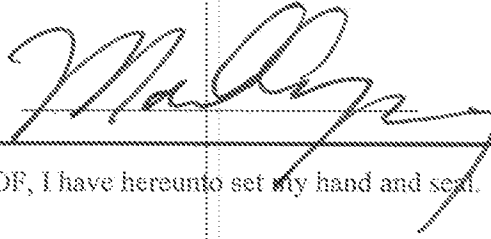
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal.

Date: 10/4/11


Paul D. FILIPSKI

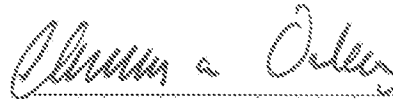
On this 4 day of Oct 2011 (Month/Year), Paul D. FILIPSKI, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS:



IN TESTIMONY WHEREOF, I have hereunto set my hand and seal.

Date: 10/3/11


Christian A. DUBOIS

On this 4th day of October 2011 (Month/Year), Christian A. DUBOIS, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS:



IN TESTIMONY WHEREOF, I have hereunto set my hand and seal.

Date: 10/4/11


John Mark ENRIQUEZ

On this 4th day of October 2011 (Month/Year), John Mark ENRIQUEZ, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS:

