

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| | |
|---|--|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | Assignment of Undivided Joint Ownership |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Pulse Trading, Inc. | 11/03/2011 |
| RECEIVING PARTY DATA | |
| Name: | BlockCross Holdings, LLC |
| Street Address: | c/o Preston Ford |
| Internal Address: | 63 Longview Drive |
| City: | Marblehead |
| State/Country: | MASSACHUSETTS |
| Postal Code: | 01945 |
| PROPERTY NUMBERS Total: 2 | |
| Property Type | Number |
| Application Number: | 11736962 |
| Application Number: | 12050863 |
| CORRESPONDENCE DATA | |
| Fax Number: | (617)526-5000 |
| Phone: | 617-526-6448 |
| Email: | janey.davidson@wilmerhale.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: | Michael J. Bevilacqua, Esquire |
| Address Line 1: | Wilmer Cutler Pickering Hale and DorrLLP |
| Address Line 2: | 60 State Street |
| Address Line 4: | Boston, MASSACHUSETTS 02109 |
| ATTORNEY DOCKET NUMBER: | 859.20.255 |
| NAME OF SUBMITTER: | Michael J. Bevilacqua |
| Total Attachments: 2 source=PTI BCH patent assignment#page1.tif source=PTI BCH patent assignment#page2.tif | |

OP \$80.00 11736962

501728767

PATENT
REEL: 027251 FRAME: 0135

ASSIGNMENT OF PATENTS

This assignment agreement is dated as of November 3, 2011, is by and between BlockCross Holdings, LLC, a Delaware limited liability company having a place of business at c/o Preston Ford, 63 Longview Drive, Marblehead, MA 01945 (together with its successors and assigns, "BCH"), and Pulse Trading, Inc., a Massachusetts corporation having a place of business at 4 Liberty Square, Boston, MA. 02109 (together with its successors and assigns, "Pulse"), each a "Party" and collectively the "Parties."

WHEREAS, pursuant to the Second Restated and Revised Source Code License Agreement, executed on even date herewith BCH and Pulse agreed that they shall jointly own certain patent applications and resulting patents.

NOW, THEREFORE, in consideration of the terms, conditions, and covenants set forth herein and in order to effectuate such joint ownership, the Parties agree as follows:

Pulse hereby assigns to BCH, an undivided joint ownership interest in the rights, title and interest owned by Pulse in the patent applications in the United States of America and its territorial possessions, and all foreign countries including all rights of priority, in inventions disclosed in the patent applications identified on Schedule A, and in and to all Letters Patents of the United States and all foreign countries which may or shall be granted on said inventions, or any parts thereof, or any divisional, continuing, reissue or other applications based in whole or in part thereon.

Pulse agrees to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to effectuate the assignment .

Witness my hand and seal this 3rd day of November, 2011.

PULSE TRADING, INC.



Christian A. DuBois

Title: Chief Executive Officer

**Schedule A
Assignment of Patent**

| <u>Title</u> | <u>Application Serial No.</u> | <u>Issue Date</u> |
|--|--|--------------------------|
| Systems And Methods For Facilitating Electronic Securities Transactions | 11/736962 | April 18, 2007 |
| Systems And Methods For Facilitating Electronic Securities Transactions | 12/050863 | March 18, 2008 |