PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| John M. Marynowski | 06/12/2000 |
| Catalin D. Voinescu | 07/12/2000 |
| Stefan Puscasu | 07/07/2000 |
| Thomas M. O'Donnell | 06/23/2006 |

RECEIVING PARTY DATA

| Name: | Edge Capture, LLC | |
|-----------------|-----------------------------|--|
| Street Address: | 1201 South Valley Hill Road | |
| City: | Woodstock | |
| State/Country: | ILLINOIS | |
| Postal Code: | 60098 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13096182 |

CORRESPONDENCE DATA

Fax Number: (301)762-4056 **Phone**: 3014243640

Email: epatent@usiplaw.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Edell Shapiro & Finnan LLC

Address Line 1: 1901 Research Blvd

Address Line 2: Suite 400

Address Line 4: Rockville, MARYLAND 20850

ATTORNEY DOCKET NUMBER: 0541.0003DV1

NAME OF SUBMITTER: Howard R. Richman

PATENT

REEL: 027078 FRAME: 0393

OP \$40.00 13096182

Total Attachments: 5 source=ExecutedAssign#page1.tif source=ExecutedAssign#page2.tif source=ExecutedAssign#page3.tif source=ExecutedAssign#page4.tif source=ExecutedAssign#page5.tif

ATTORNEY DOCKET NO.: 048289-5003 SOLE/JOINT INVENTION (Worldwide Rights)

ASSIGNMENT

WHEREAS WE, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

AN AUTOMATED TRADING SYSTEM IN AN ELECTRONIC TRADING EXCHANGE

for which we executed an application for United States Letters Patent concurrently herewith; and

WHEREAS, Edge Capture LLC.., a corporation of <u>Illinois</u>, <u>United States of America</u>, whose post office address is <u>1201 South Valley Hill Road</u>, <u>Woodstock</u>, <u>IL 60098</u> (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, we as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

1-WA/1439515.1

Morgan, Lewis & Bockius LLP

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ATTORNEY DOCKET NO.: 048289-3003 SOLE/JOINT INVENTION (Worldwide Rights)

Subscribed and sworn to before me thistith day of HILLY, 2000

ROMULO A. GALLEGOS

VICE-CONSUL

Signature House of America

Signature Address

VICE-CONSUL

On TESTIMONY WHEREOF, WE have hereunto set our hands

John M. MARYNOWSKI
Full Name of Sole or First Assignor

3 Bayley Street, Flat 4 wcl.
London, UNITED KINGDOM

First Assignor's Signature

12 — Jun — ©

Date

UNITED STATES OF AMERICA
Names of additional inventors attached IN Yes | No

COMMISSION INDEFINITE

1-WA/1439515.1

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ATTORNEY DOCKET NO.: 048289-5003

SOLE/JOINT INVENTION

(Worldwide Rights)

IN TESTIMONY WHEREOF, WE have hereunto set our hands.

Sreat Britain and Northern Ireland ondon, England Catalin D. VOINESCU 55 Full Name of Sole or First Assignor imbassy of the United States of America Calea Bucuresti 91, bl. 206, sc. D, ap. 43 Brasov, ROMANIA Address Subscribed and sworn to before me First Assignor's Signature 12 Jul 2000 otary Public Date mes of additional inventors attached [X] Yes []No

LONDON, ENGLAND

COMMISSION INDEFINITE

1-WA/1439515.1

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ATTORNEY DOCKET NO.: 048289-5003 SOLE/JOINT INVENTION (Worldwide Rights)

IN TESTIMONY WHEREOF, WE have hereunto set our hands.

| County of | Stefan PUSCASU |
|--|---|
| State of AMERICAN EMBASSY BUCHAREST, ROMANIA | Full Name of Sole or First Assignor Bd. Victoriei nr. 13, bl. 34 sc. C ap. 29 Brasov 2200 BV ROMANIA |
| Subscribed and sworn to before me this Hiday of July, 200. | First Assignor's Signature |
| Consul General of the | 7/7/0 O Date |
| Names of additional inventors attached [] Yes | [X] No |

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ATTORNEY DOCKET NO.: 048289-5003 SOLE/JOINT INVENTION (Worldwide Rights) Page 1 of 1

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

AN AUTOMATED TRADING SYSTEM IN AN ELECTRONIC TRADING EXCHANGE

for which I/WE executed an application for United States Letters Patent concurrently herewith; or on_____; or filed an application of United States Letters Patent on July 18, 2000, (Application No. 09/618,222); and

WHEREAS Edge Capture, LLC, a corporation of Illinois (hereinafter referred to as Assignce), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application of United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent of this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment:

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s).

| Thomas M. O'Donnell Full Name of Assignor |
|---|
| 1201 South Valley Hill Road, Woodstock, IL 60098 Address Thoma M. O'Consell Assignor's Signature |
| |
| 6/23/06 |
| Date |
| Names of additional inventors attached ☐ Yes ☐ No |

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I-WA/2588082.1

RECORDED: 10/18/2011

COMMISSION EGRES 01/26/10

REEL: 027078 FRAME: 0399