

10/30/03

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Form PTO-1595
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OMB No. 0651-0027 (exp. 6/30/2005)

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17302 U.S. PTO
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Thomas Peterffy
Ken Leibler
Luc BertrandAdditional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

2. Name and address of receiving party(ies)

Name: Boston Options Exchange Group, LLC

Internal Address: _____

Street Address: 100 Franklin StreetCity: Boston State: MA Zip: 02108Additional name(s) & address(es) attached? ☐ Yes ☐ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____

Execution Date: _____

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) _____

10/697851

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Stephen Y. Chow

Internal Address: _____

Perkins, Smith & Cohen, LLPStreet Address: One Beacon StreetCity: Boston State: MA Zip: 021086. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number: _____

DO NOT USE THIS SPACE

9. Signature.

Stephen Y. Chow

Name of Person Signing

Signature

Signature

October 30, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 5Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

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PATENT
REEL: 014663 FRAME: 0984

ASSIGNMENT

WHEREAS, We, Thomas Peterffy, residing at 4 Sound Shore Drive #2, Greenwich, CT 06830, Ken Leibler, residing at 386 Commonwealth Avenue, Chestnut Hill, MA 02467, and Luc Bertrand, residing at 201 Victoria Street, Baie d'Urfe, Province of Quebec, Canada H9X2H7; (hereinafter referred to as "Assignors") have jointly made an invention entitled PRICE IMPROVEMENT PROCESSOR FOR ELECTRONIC TRADING OF FINANCIAL INSTRUMENTS, for which an application for a United States Patent is filed herewith and which claims priority of provisional application entitled THE BOX MARKET MODEL filed on October 30, 2002 and accorded Serial Number 60/422,408.

WHEREAS, Boston Options Exchange Group, LLC, a corporation organized and existing under the laws of the State of Delaware, having its principal place of business at 100 Franklin Street, Boston, MA 02110 (hereinafter referred to as "Assignee"), is desirous of acquiring right, title and interest in said invention.

NOW, THEREFORE, in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignors by these presents, do sell, assign and transfer to Assignee, Assignors entire right, title and interest, for the United States of America and its possessions and territories and for all foreign countries, in and to said invention, including all rights of priority created and conferred by any treaty or international convention which is available in connection with said invention, including the right to apply for patent rights, U.S. or foreign, and in any continuations, divisions, substitutes, renewals, reissues or other applications filed in the U.S. or abroad (including multinational filing arrangements of all kinds), and in any U.S. or foreign patents issued on any such applications and reissues, extensions and renewals thereof, to be held and enjoyed by Assignee, for its own use and behalf and for its successors and assigns, to the full ends of the terms or extended terms for which any Letters Patents or the like may be granted, as fully and entirely as the same would have been held by Assignors had this sale, assignment and transfer not been made.

Assignors hereby authorize and request the Commissioner of Patents of the United States, and any official of any country or countries (including multinational filing arrangements of all kinds), whose duty it is to receive and/or examine applications for patents or similar industrial property, issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to Assignee, its successors and assigns, in accordance with the terms of this instrument.

aforesaid, to issue the same to Assignee, its successors and assigns, in accordance with the terms of this instrument.

Assignors covenant with Assignee, its successors, assigns, and legal representatives that Assignors have full right to convey their entire interest herein assigned, and that Assignors have not executed any agreement in conflict herewith and will not execute any agreement or conveyance in conflict herewith.

Assignors further covenant and agree to communicate to Assignee, its successors, legal representatives and assigns, any facts known to Assignors respecting said invention, and testify in any legal proceeding, sign all lawful papers, including, without limitation, application papers, assignments, powers of attorney, declarations, and other instruments, execute all divisional, continuing, substitute, reissue, renewal and foreign applications, make all truthful oaths, declarations and statements, and generally do everything reasonably requested of Assignors by Assignee, or its successors or assigns to aid Assignee, its successors or assigns, to obtain, enforce and/or exploit said invention.

Executed this 29th day of October, 2003.

Thomas Peterffy

State of Connecticut)
)
) ss.
County of Fairfield)

Before me appeared Thomas Peterffy on this 21st day of October, 2003, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.

Notary Public
My commission expires

Pamela A. Berry
Notary Public
My Commission Expires April 30, 2007

Docket No.

Executed this 30th day of October, 2003.

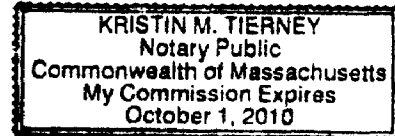
Ken Leibler
Ken Leibler

Commonwealth of Massachusetts)
County of Suffolk) ss.

Before me appeared Ken Leibler on this 30th day of October, 2003, who signed this Assignment document, and who acknowledges that he signed it as a free act on his behalf.

Kristin M. Tierney

Notary Public
My commission expires _____

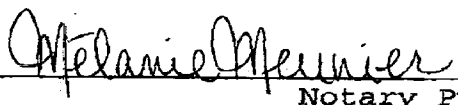


SEAL

Docket No.

Executed this 30th day of OCTOBER, 2003.
Luc BertrandProvince
State of Quebec)County of CANADA) SS.

Before me appeared Luc Bertrand on this 30th day of
October, 2003, who signed this Assignment document,
and who acknowledges that he signed it as a free act on his
behalf.

 , attorney at law. Bar # 202441-1
Notary Public
My commission expires _____

SEAL