

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ashutosh Goyal</td> <td>09/17/2008</td> </tr> <tr> <td>Amit Manwani</td> <td>09/18/2008</td> </tr> <tr> <td>Dragan Dacic</td> <td>09/16/2008</td> </tr> </tbody> </table>		Name	Execution Date	Ashutosh Goyal	09/17/2008	Amit Manwani	09/18/2008	Dragan Dacic	09/16/2008
Name	Execution Date								
Ashutosh Goyal	09/17/2008								
Amit Manwani	09/18/2008								
Dragan Dacic	09/16/2008								
RECEIVING PARTY DATA									
Name:	Lehman Brothers Inc.								
Street Address:	745 Seventh Avenue								
City:	New York								
State/Country:	NEW YORK								
Postal Code:	10019								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12182900</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12182900				
Property Type	Number								
Application Number:	12182900								
CORRESPONDENCE DATA									
Fax Number:	(212)309-6001								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Email:	david.lee@morganlewis.com								
Correspondent Name:	David C. Lee								
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ATTORNEY DOCKET NUMBER:	018638-04-5140 US								
NAME OF SUBMITTER:	David C. Lee								

CH \$40.00 12182900

Total Attachments: 4
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**PATENT
 REEL: 021552 FRAME: 0653**

ASSIGNMENT

WHEREAS WE, the below named inventors, Vladimir Morozov, Ashutosh Goyal, Guaravdeep S. Sagar, Amit Manwani, Sami Haj Slimane, and Dragan Dacic [hereinafter referred to as Assignors], have made an invention entitled: METHODS, COMPUTER SYSTEMS, AND SOFTWARE FOR ESTIMATING TRADING VOLUME for which WE are the listed inventors for the application for United States Letters Patent identified below:

WHICH is identified by Morgan, Lewis & Bockius LLP Docket No. 018638-04-5140 US;

WHICH claims priority to U.S. Provisional Application No. 60/952,708 filed July 30, 2007;

WHICH has been designated U.S. Patent Application No. 12/182,900, filed July 30, 2008;

WHEREAS LEHMAN BROTHERS INC., whose mailing address is 745 Seventh Avenue, New York, NY 10019, (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 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, 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, the above-identified provisional and non-provisional applications, 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 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, 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, continuing, 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;

AND, WE HEREBY further covenant and agree that WE will assign, and hereby do assign, to Assignee, its lawful successors and assigns, OUR entire right, title, and interest in and to any and all patent applications, both United States and foreign, and all Letters Patent that may be granted thereon, that claim priority to this invention or to the above-identified provisional or non-provisional applications in any manner, such applications specifically including, but not limited to, divisionals, continuations, continuations-in-part, and all other provisional and non-provisional applications.

IN TESTIMONY WHEREOF, WE have hereunto set our hands.

County of: _____ SS	First Assignor: Vladimir Morozov
State of: _____	Address of First Assignor: 23 Nolan Circle, Manchester, CT 06042
Subscribed and sworn to before me this _____ day of _____, 2008.	_____ First Assignor's Signature
Notary Public	Date: _____
Names of additional inventors/assignors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Second Assignor: Ashutosh Goyal	<u>Ashutosh</u> Signature of Second Assignor	Date: <u>17 Sep 2008</u>
<u>NIKHIL MITTAL</u> Printed Name of First Witness	<u>Nikhil</u> Signature of First Witness	Date: <u>17 Sep 2008</u>
<u>ASHISH GUPTA</u> Printed Name of Second Witness	<u>Ashish</u> Signature of Second Witness	Date: <u>17 Sep 2008</u>

Third Assignor: Gauravdeep S. Sagar	Signature of Third Assignor	Date: _____
Printed Name of First Witness	Signature of First Witness	Date: _____
Printed Name of Second Witness	Signature of Second Witness	Date: _____

County of: _____ State of: _____
 Subscribed and sworn to before me this _____ day of _____, 2008.
 Notary Public

Fourth Assignor: Amit Manwani
 Address of Fourth Assignor: 1 River Place, #2316, New York, NY 10036

 Fourth Assignor's Signature
 Date: _____

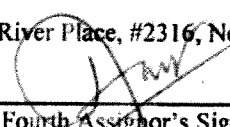

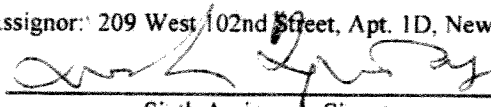
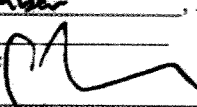
Fifth Assignor: Sami Haj Slimane	Signature of Fifth Assignor	Date: _____
Printed Name of First Witness	Signature of First Witness	Date: _____
Printed Name of Second Witness	Signature of Second Witness	Date: _____

County of: _____ State of: _____
 Subscribed and sworn to before me this _____ day of _____, 2008.
 Notary Public

Sixth Assignor: Dragan Dacic
 Address of Sixth Assignor: 209 West 102nd Street, Apt. 1D, New York, NY 10025

 Sixth Assignor's Signature
 Date: _____

Names of additional inventors/assignors attached Yes No

Second Assignor: Ashutosh Goyal	Signature of Second Assignor _____	Date: _____
Printed Name of First Witness _____	Signature of First Witness _____	Date: _____
Printed Name of Second Witness _____	Signature of Second Witness _____	Date: _____
Third Assignor: Gauravdeep S. Sagar	Signature of Third Assignor _____	Date: _____
Printed Name of First Witness _____	Signature of First Witness _____	Date: _____
Printed Name of Second Witness _____	Signature of Second Witness _____	Date: _____
County of: <u>Queens</u>	Fourth Assignor: Amit Manwani	CHARLES STUART KWALWASSER NOTARY PUBLIC, STATE OF NEW YORK No. 02KW6138715 QUALIFIED IN QUEENS COUNTY MY COMMISSION EXPIRES DEC. 27, 2009
State of: <u>New York</u> SS	Address of Fourth Assignor: 1 River Place, #2316, New York, NY 10036	
Subscribed and sworn to before me this <u>16</u> day of <u>September</u> , 2008.	 _____ Fourth Assignor's Signature	Date: <u>09/18/2008</u>
Notary Public 		
Fifth Assignor: Sami Haj Slimane	Signature of Fifth Assignor _____	Date: _____
Printed Name of First Witness _____	Signature of First Witness _____	Date: _____
Printed Name of Second Witness _____	Signature of Second Witness _____	Date: _____
County of: <u>Queens</u>	Sixth Assignor: Dragan Dacic	CHARLES STUART KWALWASSER NOTARY PUBLIC, STATE OF NEW YORK No. 02KW6138715 QUALIFIED IN QUEENS COUNTY MY COMMISSION EXPIRES DEC. 27, 2009
State of: <u>New York</u> SS	Address of Sixth Assignor: 209 West 102nd Street, Apt. 1D, New York, NY 10025	
Subscribed and sworn to before me this <u>16</u> day of <u>September</u> , 2008.	 _____ Sixth Assignor's Signature	Date: <u>09/16/08</u>
Notary Public 		
Names of additional inventors/assignors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		