| | 01A 05-12 | -2004 W/\$ | |
|-----------------------|---|---|--|
| | TO THE 1027 | PATENTS ONL' 4672/36 43113 ENTS | |
| 1. | Name arty(ies) conveying an interest: | ginal document or copy thereof. 2. Name and Address of Party(ies) receiving an interest: | |
| Add | Liquidity Direct Technology, LLC ditional name(s) of conveying party(ies) attached? ☐ Yes ☑ No | Name: Chicago Mercantile Exchange, Inc. Internal Address: Street Address: 20 South Wacker Drive City: Chicago State/Zip: Illinois/60606-7499 | |
| 3. | Description of the interest conveyed: ☐ Assignment ☐ Change of Name | Other: | |
| | ☐ Security Agreement ☐ Merger | | |
| 4. | Execution Date: April 30, 2004 4. Application number(s) or patent number(s). Additional sheet attached? Yes No If this document is being filed together with a new application, the execution date of the application is: | | |
| A. 10/ | | B. Patent No.(s) | |
| | Additional numbers at | tached? ☐ Yes ⊠ No | |
| 5. | Name and address of party to whom correspondence concerning document should be mailed: BRINKS HOFER GILSON & LIONE P.O. BOX 10395 CHICAGO, IL 60610 (312)321-4200 | Number of applications and patents involved: 1 Total fee (37 CFR 3.41) \$ 40.00 Enclosed Authorized to be charged to Deposit Account No. 23-1925 Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925. | |
| DO NOT USE THIS SPACE | | | |
| 9. | Statement and signature. To the best of my knowledge and belief, the foregoing info copy of the original document. | rmation is true and correct and any attached copy is a true | |

Name of Person Signing

James L. Katz

Total number obpages including cover sheet, attachments, and document: 3

Signature

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PATENT REEL: 015305 FRAME: 0745

ASSIGNMENT

DATE: January 7, 2004

PARTIES:

- (1) LIQUIDITY DIRECT TECHNOLOGY, a limited liability company established under the laws of the State of Delaware, whose principal place of business is at 141 W. Jackson Blvd., Suite 1771, Chicago, Illinois 60604. United States of America, (the "Assignor"); and
- (2) LIQUIDITY DIRECT TECHNOLOGY, LLC, a limited liability company established under the laws of the State of Delaware, whose principal place of business is at 141 W. Jackson Blvd., Suite 1771, Chicago, Illinois 60604, United States of America, (the "Assignee").

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the Assignor hereby assign to the Assignee, its successors and assigns, the entire right, title and interest in the inventions of the undersigned disclosed in the following applications:

- US Provisional Application filed on October 30, 2000, Serial No. 60/244.311, entitled Network and Method for Trading Derivatives; and
- 2. US National Utility Application filed on October 30, 2001, Serial No. 10/001,237, entitled Network and Method for Trading Derivatives;

and in said applications and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said inventions, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue any said Letters Patent to said assignee.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

-1-

ASSIGNOR:

duly authorized for and on behalf of LIQUIDITY DIRECT TECHNOLOGY

By: Name: Neal B. Brady

Title: President and Chief Executive Officer

State of Illinois

County of COOK

The foregoing instrument was acknowledged before me this 8th day of

January , 2004 by

NOTARY PUBLIC

"OFFICIAL SEAL"
Elba I. Lopez
Notary Public, State of Illinois
My Commission Exp. 11/14/2006

NUNC PRO TUNC ASSIGNMENT

WHEREAS, <u>Liquidity Direct Technology</u>, <u>LLC</u>, a corporation organized and existing under the laws of the State of <u>Delaware</u>, hereinafter called the "Assignor", is owner of the entire right, title and interest in and to the invention described in the United States patent application entitled <u>NETWORK AND METHOD FOR TRADING DERIVATIVES</u>, for a full description of which reference is here made to an application for Letters Patent of the United States filed on October 30, 2001, and assigned Application Serial No. 10/001,237;

WHEREAS, Chicago Mercantile Exchange, Inc., a corporation organized and existing under the laws of the State of Delaware, having a place of business at 30 South Wacker Drive, Chicago, Illinois, 60606-7499, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer to the Assignee Nunc Pro Tunc, effective January 9, 2004, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignor hereby covenants and agrees, for both the Assignor and the Assignor's legal representatives, that the Assignor will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in

PATENT REEL: 015305 FRAME: 0748 vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignor will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignor has executed this agreement.

DATED:

4/30/04

Neal B. Brady

President and Chief Executive Officer Liquidity Direct Technology, LLC

STATE OF Illinous)
COUNTY OF low) ss.

I, <u>Stidget A. Stemon</u>, a Notary Public in and for the County and State aforesaid, do hereby certify that <u>Neal Snody</u>, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this day of April, 2004.

Notary Public

My Commission Expires: 11/22/07

OFFICIAL SEAL
BRIDGET A BRENNAN
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES: 11/22/07

NUNC PRO TUNC ASSIGNMENT

WHEREAS, <u>Liquidity Direct Technology</u>, <u>LLC</u>, a corporation organized and existing under the laws of the State of <u>Delaware</u>, hereinafter called the "Assignor", is owner of the entire right, title and interest in and to the invention described in the United States patent application entitled <u>NETWORK AND METHOD FOR TRADING DERIVATIVES</u>, for a full description of which reference is here made to an application for Letters Patent of the United States filed on October 30, 2001, and assigned Application Serial No. 10/001,237;

WHEREAS, <u>Chicago Mercantile Exchange</u>, <u>Inc.</u>, a corporation organized and existing under the laws of the State of <u>Delaware</u>, having a place of business at <u>30 South Wacker Drive</u>, <u>Chicago</u>, <u>Illinois</u>, <u>60606-7499</u>, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer to the Assignee Nunc Pro Tunc, effective January 9, 2004, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignor hereby covenants and agrees, for both the Assignor and the Assignor's legal representatives, that the Assignor will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in

PATENT REEL: 015305 FRAME: 0750 vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignor will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignor has executed this agreement.

DATED:

4/30/04

Neal B. Brady

President and Chief Executive Officer Liquidity Direct Technology, LLC

STATE OF Illinous COUNTY OF look

I, Didget N. Siemon, a Notary Public in and for the County and State aforesaid, do hereby certify that Neal Sneedy , personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this

30 day of \$\frac{\mathreal}{2004}\$.

Notary Public

My Commission Expires: 11/22/07

RECORDED: 05/07/2004

- 2 -