

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ryan N. Andrews</td> <td>01/20/2003</td> </tr> <tr> <td>Robert A. West</td> <td>01/20/2003</td> </tr> <tr> <td>Jens-Uwe Schluetter</td> <td>01/21/2003</td> </tr> <tr> <td>David W. Garrison</td> <td>01/20/2003</td> </tr> <tr> <td>Michael J. Burns</td> <td>01/21/2003</td> </tr> </tbody> </table>		Name	Execution Date	Ryan N. Andrews	01/20/2003	Robert A. West	01/20/2003	Jens-Uwe Schluetter	01/21/2003	David W. Garrison	01/20/2003	Michael J. Burns	01/21/2003
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Michael J. Burns	01/21/2003												
RECEIVING PARTY DATA													
Name:	Trading Technologies International, Inc.												
Street Address:	222 S. Riverside Plaza												
Internal Address:	Suite 1100												
City:	Chicago												
State/Country:	ILLINOIS												
Postal Code:	60606												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12707318</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12707318								
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Application Number:	12707318												
CORRESPONDENCE DATA													
Fax Number:	(312)913-0002												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	312-913-0001												
Email:	docketing@mbhb.com												
Correspondent Name:	MBHB/TRADING TECHNOLOGIES												
Address Line 1:	300 SOUTH WACKER DRIVE												
Address Line 2:	SUITE 3200												
Address Line 4:	CHICAGO, ILLINOIS 60606												
ATTORNEY DOCKET NUMBER:	02-781-Z-CON												

CH \$40.00 12707318

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**PATENT
 REEL: 023949 FRAME: 0055**

NAME OF SUBMITTER:

Thomas J. Loos

Total Attachments: 3

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ASSIGNMENT

Case No.: 02-781
Inventors: Ryan N. Andrews, Robert A. West, Jens-Uwe Schluetter;
David W. Garrison, Michael J. Burns

Serial No.:

Date of Execution
of Application:

Filing Date:

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 undersigned hereby assign to:

TRADING TECHNOLOGIES INTERNATIONAL, INC.

its successors and assigns, the entire right, title and interest in the invention of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

**METHOD AND APPARATUS FOR
PROVIDING ORDER QUEUE INFORMATION**

and identified as:

Case No. 02-781

in the offices of MCDONNELL BOEHNEN HULBERT & BERGHOFF and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, 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 said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

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, whereby said Letters Patent will be held and enjoyed by the said 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.

WITNESS my hand and seal this 20th day of JAN, 2003.

Ryan N. Andrews
Ryan N. Andrews

State of Illinois

County of COOK

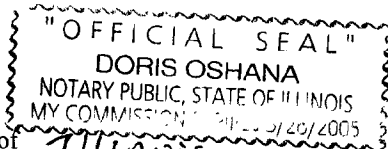
The foregoing instrument was acknowledged before me this 20th day of

January, 2003 by Ryan Andrews



Doris Oshana
NOTARY PUBLIC

WITNESS my hand and seal this 20 day of Jan, 2003.



Robert A. West
Robert A. West

State of Illinois

County of COOK

The foregoing instrument was acknowledged before me this 20th day of

January, 2003 by ROB West

Doris Oshana
NOTARY PUBLIC

WITNESS my hand and seal this 21 day of Jan, 2003.

Jens-Uwe Schluetter
Jens-Uwe Schluetter

State of Illinois

County of Cook

The foregoing instrument was acknowledged before me this 21st day of

January, 2003 by Jens-Uwe Schluetter

Doris Oshana
NOTARY PUBLIC



WITNESS my hand and seal this 21 day of Jan, 2003.

David W. Garrison
David W. Garrison

State of Illinois

County of Cook

The foregoing instrument was acknowledged before me this 20th day of

January 2003 by David Garrison

Doris Oshana
NOTARY PUBLIC



WITNESS my hand and seal this 21 day of Jan, 2003.

Michael J. Burns
Michael J. Burns

State of

County of

The foregoing instrument was acknowledged before me this 21st day of

January, 2003 by Mike Burns

Doris Oshana
NOTARY PUBLIC

