09-18-2002 U.S. DEPARTMENT OF COMMERCE FORM PTO-1595 REC⁽ Patent and Trademark Office 102224957 To The Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Name and address of receiving party(ies) Name of conveying party(ies): Trading Technologies, Inc. Gary Allan Kemp II 9.16102 Jens-Uwe Schluetter David W. Garrison 222 S. Riverside Plaza, Suite 1100 Address: Sagy Pundak Mintz Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No Nature of conveyance: City: Chicago State: Illinois ■ Assignment ☐ Merger Country: U.S.A. Zip: 60606 ☐ Change of Name ☐ Security Agreement □ Other Execution Date: 7/7/2002 and 7/15/2002 Additional name(s) & address(es) attached? ☐ Yes ☒ No 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: Filing Date B. Patent No.(s) Patent Application No (s) July 15, 2002 10/196,056 Additional numbers attached? ☐ Yes ☒ No Name and address of party to whom correspondence concerning Total number of applications and patents involved: 1 document should be mailed: Name: Robert J. Irvine Total Fee (37 CFR 3.41)\$40.00 Registration No.: 41,865 Company Name: McDonnell, Boehnen, Hulbert & Berghoff ☐ Authorized to be charged to deposit account Street Address: 300 South Wacker Drive – 32nd Floor Deposit account number: City: Chicago State Illinois 13-2490 ZIP: 60606 Country: U.S.A. DO NOT USE THIS SPACE 00000007 10196056 09/18/2002 TDIAZ1 40.00 DP 01 FC:581 Statement and signature. To the best of my knowledge and belief, the foregoi $m{h}$ g information is true and correct and any attached copy is a true copy of the original document. Date: September 09, 2002 Robert J. Irvine Printed Name of Person Signing Total number of pages including cover sheet, attachments, and document: 8

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks Box Assignments

Washington, D.C. 20231

ASSIGNMENT

Case No.: 02-436 Serial No.:

Inventors: Gary Allan Kemp II, Jens-Uwe Schluetter, David W. Garrison, Sagy Pundak Mintz

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., a corporation of the State of Delaware

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

METHOD AND APPARATUS FOR MESSAGE FLOW AND TRANSACTION QUEUE MANAGEMENT

and identified as:

Case No. 02-436

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, 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.

PATENT REEL: 013285 FRAME: 0531 WITNESS my hand and seal this 15 day of July, 2001. Gary Allan Kemp II State of County of The foregoing instrument was acknowledged before me this <u>15</u> day of "OFFICIAL SEAL"

DORIS OSHANA

NOTARY PUBLIC. STATE OF ILLINOIS
MY COMMISSION EXPIRES 3/26/2005 NOTARY PUBLIC WITNESS my hand and seal this /5 day of July, 2002. State of County of The foregoing instrument was acknowledged before me this $\angle \underline{\mathsf{S}}$ day of _, <u>2002</u> by

NOTARY PUBLIC

OFFICIAL SEAL" DORIS OSHANA NOTARY PUBLIC, STATE OF ILLINOIS

David W. Garrison

State of

County of

The foregoing instrument was acknowledged before me this <a> day of

July, 2002 by

"OFFICIAL SEAL"

DORIS OSHANA

NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 3/26/2005

Don Oshare
NOTARY PUBLIC

WITNESS my hand and seal this / S day of July , 2002.

-002

Sagy Pundak Mintz

State of

County of

The foregoing instrument was acknowledged before me this <u>15</u> day of

July, 2002 by

NOTARY PUBLIC

"OFFICIAL SEAL" DORIS OSHANA

NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES 3/26/2005

RECORDED: 09/16/2002