PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALEXANDER V. FOYGEL	07/23/2008
BHARAT MITTAL	07/23/2008
DOUGLAS R. DUQUETTE	07/23/2008

RECEIVING PARTY DATA

Name:	TRADING TECHNOLOGIES INTERNATIONAL, INC.
Street Address:	222 SOUTH RIVERSIDE PLAZA
Internal Address:	SUITE 1100
City:	CHICAGO
State/Country:	ILLINOIS
Postal Code:	60606

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14488974

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

using a lax number, if provided, if that is unsuccessful, it will be sent via 05

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Correspondent Name: MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP

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ATTORNEY DOCKET NUMBER:	080823US04	
NAME OF SUBMITTER:	NICOLE E. REIFMAN	
SIGNATURE:	/Nicole E. Reifman/	
DATE SIGNED:	09/17/2014	

Total Attachments: 3

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PATENT REEL: 033762 FRAME: 0596

ASSIGNMENT

Case No .:

Serial No.: 12/180,942

Inventors: Alexander V. Foygel, Bharat Mittal, Douglas R. Duquette

Filing Date: July 23, 2008

Date of Execution of Application:

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:

SYSTEM AND METHOD FOR DYNAMICALLY MANAGING MESSAGE FLOW

and identified as:

Case No. 08-823

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.

PATENT REEL: 033762 FRAME: 0597

WITNESS my hand and seal this 23 day of 50 , 2008
Alexander V. Foygel
State of Illinoia
County of Cook
The foregoing instrument was acknowledged before me this 23rd day of Guly, 2008 by allhouder V. Faygel
"OFFICIAL SEAL" JILL P. FITZPATRICK NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES 12/9/2008
WITNESS my hand and seal this 23 day of July , 200 8
Bharat Mittal (1840)
State of Illindia
County of Coal
The foregoing instrument was acknowledged before me this Blacak Mittal
"OFFICIAL SEAL" JILL P. FITZPATRICK NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES 12/9/2008

PATENT REEL: 033762 FRAME: 0598

WITNESS my hand and seal this d3rd day of Taly, 2008	
Douglas R. Duquette	
State of Illineis	
County of Ceak	
The foregoing instrument was acknowledged before me this 2311 day of July	<i>2008</i> by
The foregoing instrument was acknowledged before me this 2311 day of July Douglas R. Duguette	
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**OFFICIAL SEAL"?	
MY COMMISSION EXPLANATION AND LINOIS	

PATENT REEL: 033762 FRAME: 0599

RECORDED: 09/17/2014