506114175 06/18/2020

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	06/12/2009
BHARAT MITTAL	06/12/2009

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

Property Type	Number
Application Number:	16905413

CORRESPONDENCE DATA

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TRADING TECHNOLOGIES INTERNATIONAL, INC. **Correspondent Name:**

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ATTORNEY DOCKET NUMBER:	090682US03
NAME OF SUBMITTER:	ADAM J. FAIER
SIGNATURE:	/Adam J. Faier/
DATE SIGNED:	06/18/2020

Total Attachments: 2

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> **PATENT** REEL: 052980 FRAME: 0522

506114175

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

I hereby declare t	that I am the sole inventor (if only one inve	entor is named below) or an original, first, and joint		
inventor (if plural inventor	rs are named below) of the invention relati	ng to "PRIORITIZATION OF TRADE ORDER		
PROCESSING IN ELECTRONIC TRADING" described in an application for Letters Patent of the United States of				
America filed on	, Serial No	, or, if not identified here by filing date		
and serial number, executed by me on even date with my execution of this Assignment.				

For valuable consideration received, I hereby sell, assign, and transfer to Trading Technologies International, Inc., a corporation of the State of Delaware, headquartered at 222 South Riverside Plaza, Suite 1100, Chicago, Illinois 60606 (hereinafter "TT"), as well as its successors and assigns, my entire right, title, and interest, for all countries in and to said inventions and all the rights and privileges under any and all Letters Patent that may be granted therefore, and any divisions, continuations, reissues, and extensions thereof.

I agree that, when requested, I will, without charge to TT but at its expense, sign all papers, take all rightful oaths, make all rightful declarations, and do all acts which may be necessary, desirable, or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in TT, its successors, assigns or nominees.

I agree that I will communicate to TT or its representatives any facts known to me respecting said inventions and when requested by TT and at its expense will testify in any legal proceedings, and generally do everything possible to aid TT, its successors, assigns, and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower TT, its successors, assigns, or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my/our name, in any and all countries, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of TT or its successors, assigns, or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with TT, its successors, assigns, legal representatives, and nominees, that, to the best of my knowledge, the right, title, and interest herein conveyed by me are free and clear of any encumbrance, and that I have the full right to convey the same as herein expressed.

This Agreement and Assignment supersedes all other assignments, agreements, and addendums related to the above-identified application.

The undersigned hereby authorizes and requests 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.

PATENT REEL: 052980 FRAME: 0523

Alexander V. Foygel Joint Inventor: 1109 Kent Avenue, Highland Park, IL 60035 Residence: Post Office Address: 1109 Kent Avenue, Highland Park, IL 60035 Citizenship: United States of America day of June, 2009. WITNESS my hand and seal this State of Illinois County of Cook The foregoing instrument was acknowledged before me this __/o2_ day of June, 2009 by Alexander V. Foygel. "OFFICIAL SEAL" JILL P. FITZPATRICK NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES 12/9/2012

Joint Inventor: Bharat Mittal

Residence: 704 Teal Court, Schaumburg, IL 60193

Post Office Address: 704 Teal Court, Schaumburg, IL 60193

WITNESS my hand and seal this 2 day of June, 2009.

India

tally of valid, boos.

State of Illinois

County of Cash

Citizenship:

The foregoing instrument was acknowledged before me this __/

by Bharat Mittal.

OFFICIAL SEAL"

JILL P. FITZPATRICK

NOTARY PUBLIC, STATE OF ILLINOIS NY COMMISSION EXPIRES 12/9/2012 NOTARY PUBLICATION

PATENT REEL: 052980 FRAME: 0524

RECORDED: 06/18/2020