504713854 01/04/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4760576

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID ALAN LARIVIERE	01/01/2018
BERNARD PIETER HOSMAN	12/24/2017
PEARCE IAN PECK-WALDEN	12/22/2017
ARI L. STUDNITZER	12/25/2017
ZACHARY BONIG	12/22/2017
MANMATHASIVARAM NAGARAJAN	01/01/2018

RECEIVING PARTY DATA

Name:	CHICAGO MERCANTILE EXCHANGE INC.
Street Address:	20 SOUTH WACKER DRIVE
City:	CHICAGO
State/Country:	ILLINOIS
Postal Code:	60606

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15851067

CORRESPONDENCE DATA

Fax Number: (312)291-0864

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.

Phone: 3122910860

Email: docket-us@lsk-iplaw.com, michelle.marsh@cmegroup.com

LEMPIA SUMMERFIELD KATZ LLC **Correspondent Name:**

20 SOUTH CLARK STREET Address Line 1:

Address Line 2: SUITE 600

Address Line 4: CHICAGO, ILLINOIS 60603

ATTORNEY DOCKET NUMBER:	4672-16011BUS
NAME OF SUBMITTER:	JAMES L. KATZ
SIGNATURE:	/James L. Katz/
DATE SIGNED:	01/04/2018

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Case No. 4672-16011BUS

ASSIGNMENT

WHEREAS, David Alan Lariviere, Bernard Pieter Hosman, Pearce Ian Peck-Walden, Ari L. Studnitzer, Zachary Bonig, and Manmathasivaram Nagarajan, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled MESSAGE PROCESSING PROTOCOL WHICH MITIGATES OPTIMISTIC MESSAGING BEHAVIOR, executed by Assignors on the same date as, or on a date prior to, this Assignment, and subsequently accorded a filing date of December 21, 2017 [mm /12/22/17] and an application Serial No. of 15/851,067 [mm /12/22/17] by the U.S. Patent and Trademark Office;

WHEREAS, CHICAGO MERCANTILE EXCHANGE INC., a corporation organized and existing under the laws of the State of Illinois, having a place of business at 20 South Wacker Drive, Chicago, IL 60606, 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 Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, 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 issuing therefrom 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; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; 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 Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors 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 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.

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IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED:	1/1/2018	Devid Language
		27 Lawid Alan Lariviere
DATED:		
		Bernard Pieter Hosman
DATED:		
		Pearce Ian Peck-Walden
DATED:		
		Ari L. Studnitzer
DATED:		
		Zachary Bonig
DATED:		
		Manmathasivaram Nagarajan

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DATED:		
		David Alan Lariviere
DATED:	12/24/2017	Bernard Hosman
		— Bernard-Bieter Hosman
DATED:		
		Pearce Ian Peck-Walden
DATED:		
		Ari L. Studnitzer
r>		
DATED:		Zachary Bonig
DATED:		
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		DocuSigned by:
DATED:	12/22/2017	Pearce Peck-Walden
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DATED:		
		Ari L. Studnitzer
DATED:		
		Zachary Bonig
DATED:		
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DATED:		Doorso Ion Dook Woldon
		Pearce Ian Peck-Walden
E		DocuSigned by:
DATED:	12/25/2017	— Asiabao Studnitzer

DATED:		
DATED.		Zachary Bonig
		.
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RECORDED: 01/04/2018

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