507029200 12/15/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7076036

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CARL ERIK THORNBERG	02/27/2020

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:	17550974

CORRESPONDENCE DATA

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Address Line 1: 20 SOUTH CLARK STREET

Address Line 2: SUITE 600

Address Line 4: CHICAGO, ILLINOIS 60603

ATTORNEY DOCKET NUMBER:	004672-19035B-US	
NAME OF SUBMITTER:	G. CHRISTOPHER BRAIDWOOD	
SIGNATURE:	/G. Christopher Braidwood/	
DATE SIGNED:	12/15/2021	

Total Attachments: 2

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PATENT 507029200 REEL: 058400 FRAME: 0618

Case No. 004672-19035A-US

<u>ASSIGNMENT</u>

WHEREAS, Carl Erik Thornberg, hereinafter called the "Assignor", has made the invention described in the United States patent application entitled POST-COMPRESSION RESIDUAL DATA OBJECT PROCESSING, executed by Assignor on the same date as, or on a date prior to, this Assignment, and subsequently accorded a filing date of February 27, 2020 [GCB / 2-27-20] and an application Serial No. of 16/803,179 [GCB / 2-27-20] 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 Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does 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.

PATENT
REEL: 058400 FRAME: 0619

RECORDED: 12/15/2021

The Assignor hereby covenants and agrees, for both the Assignor and the Assignor's legal representatives, that the Assignor 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.

Assignor hereby agrees that, subsequent to the execution of this agreement, Assignee and/or Assignee's legal representatives may insert the filing date and application serial number accorded to the United States patent application listed above by the U.S. Patent and Trademark Office into this document to sufficiently identify the patent application to which this Assignment pertains.

IN TESTIMONY WHEREOF, the Assignor has executed this agreement.

		DocuSigned by:
DATED:	2/27/2020	Lard the arm be va
	***************************************	- Carlz Erika∓homberg
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PATENT REEL: 058400 FRAME: 0620