

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6011303

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	THOMAS HILL	03/11/2020
	MICHAEL O'CONNELL	03/11/2020
	DANIEL ROPE	03/11/2020
RECEIVING PARTY DATA		
Name:	TIBCO SOFTWARE INC.	
Street Address:	3303 HILLVIEW AVENUE	
City:	PALO ALTO	
State/Country:	CALIFORNIA	
Postal Code:	94304	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	16751051	
CORRESPONDENCE DATA		
Fax Number:		
<i>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.</i>		
Email:	lvincent@mcguirewoods.com	
Correspondent Name:	LIAM VINCENT	
Address Line 1:	1750 TYSONS BLVD	
Address Line 2:	#1800	
Address Line 4:	TYSONS, VIRGINIA 22102	
ATTORNEY DOCKET NUMBER:	2073257-0237C1US	
NAME OF SUBMITTER:	LIAM VINCENT	
SIGNATURE:	/Liam Vincent/	
DATE SIGNED:	03/12/2020	
Total Attachments: 2		
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ASSIGNMENT OF PATENT APPLICATION

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

ADAPTIVE FILTERING AND MODELING VIA ADAPTIVE EXPERIMENTAL DESIGNS TO IDENTIFY EMERGING DATA PATTERNS FROM LARGE VOLUME, HIGH DIMENSIONAL, HIGH VELOCITY STREAMING DATA

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on January 23, 2020, and which bears the Application No. 16/751,051 (the "APPLICATION");

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we the undersigned inventor(s) hereby:

1) Sell, assign, and transfer to TIBCO Software Inc., a Delaware corporation having a place of business at 3303 Hillview Avenue, Palo Alto, CA 94304, United States of America, (hereinafter referred to as "ASSIGNEE"), the entire worldwide right, title and interest in and to: (a) the APPLICATION; (b) any application to which the APPLICATION claims priority and any application at least in part based upon the APPLICATION; (c) all provisional, utility, divisional, continuation, continuation-in-part, substitute, renewal, reissue, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), and (c) above; (e) any and all improvements and inventions disclosed in (a), (b), (c), and (d) above; (f) all rights of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of any provisional rights; and (g) all claims for past, present and future infringement of any patent in (d) above, including all rights to sue for and to receive and recover for the ASSIGNEE's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of any patent in (d) above.

2) Authorize and request the issuance of any and all patent(s) resulting from said application or any division(s), continuation(s), continuation-in-part(s), substitutes(s), reissue(s), or other application(s) related thereof, which have been or may be filed in the United States or elsewhere in the world, to the ASSIGNEE.

3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said APPLICATION, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications. Such acts shall include (a) executing all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to the ASSIGNEE the rights, titles and interests herein conveyed; (b) communicating to the ASSIGNEE all known facts relating to any subject matter disclosed in the APPLICATION or any application or patent related to the APPLICATION; and (c) generally doing all lawful acts that the ASSIGNEE shall consider desirable for securing, maintaining, and

enforcing worldwide patent protection and for vesting in the ASSIGNEE the rights, titles, and interests herein conveyed.

4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.

5) Warrant and represent that I/we have the rights, titles, and interests to convey as set forth herein, and have not entered, and will not enter into any assignment, grant, mortgage, license, contract, agreement, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

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|----|------------------------------------|---------------------------|
| 1) | Signature: <u>Thomas Hill</u> | Date: <u>Mar 11, 2020</u> |
| | Typed Name: Thomas Hill | |
| 2) | Signature: <u>Michael OConnell</u> | Date: <u>Mar 11, 2020</u> |
| | Typed Name: Michael OConnell | |
| 3) | Signature: <u>Daniel Rope</u> | Date: <u>Mar 11, 2020</u> |
| | Typed Name: Daniel Rope | |