

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4287994

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT
CONVEYING PARTY DATA	
Name	Execution Date
TIBCO SOFTWARE, INC., AS GRANTOR	02/23/2017
RECEIVING PARTY DATA	
Name:	JPMORGAN CHASE BANK, N.A., AS COLLATERAL AGENT
Street Address:	IL1-1145/54/63
Internal Address:	P.O. BOX 6026
City:	CHICAGO
State/Country:	ILLINOIS
Postal Code:	60680-6026
PROPERTY NUMBERS Total: 4	
Property Type	Number
Application Number:	15274120
Application Number:	15344138
Application Number:	62424331
Application Number:	15357924
CORRESPONDENCE DATA	
Fax Number:	(800)914-4240
<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>	
Phone:	800-713-0755
Email:	Michael.Violet@wolterskluwer.com
Correspondent Name:	MICHAEL VIOLET
Address Line 1:	4400 EASTON COMMONS WAY
Address Line 2:	SUITE 125
Address Line 4:	COLUMBUS, OHIO 43219
NAME OF SUBMITTER:	KEN TAN
SIGNATURE:	/Ken Tan/
DATE SIGNED:	02/23/2017
Total Attachments: 6	
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RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

TIBCO Software, Inc., as Grantor

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) February 23, 2017

- Assignment
- Merger
- Security Agreement
- Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

2. Name and address of receiving party(ies)

Name: JPMorgan Chase Bank, N.A., as Collateral Agent

Internal Address: _____

Street Address: IL1-1145/54/63

P.O. Box 6026

City: Chicago

State: Illinois

Country: USA Zip: 60680-6026

Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)
See Schedule I

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Ken Tan, Legal Assistant

Internal Address: c/o Cahill Gordon & Reindel LLP

Street Address: 80 Pine Street

City: New York

State: New York Zip: 10005

Phone Number: (212) 701-3804

Docket Number: 41260.0152

Email Address: KTan@cahill.com

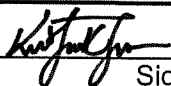
6. Total number of applications and patents involved: 4**7. Total fee (37 CFR 1.21(h) & 3.41) \$** _____

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

Deposit Account Number _____

Authorized User Name _____

9. Signature:

Signature

February 23, 2017

Date

Ken Tan

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

6

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT SECURITY AGREEMENT

This Patent Security Agreement, dated as of February 23, 2017 (this "Patent Security Agreement"), is made by each Pledgor that is a signatory hereto, in favor of JPMorgan Chase Bank, N.A., in its capacity as collateral agent for the secured parties (in such capacity, the "Collateral Agent") pursuant to that certain Credit Agreement, dated as of December 5, 2014 (as amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement"), by and among TIBCO Software Inc., a Delaware corporation (the "Borrower"), Balboa Intermediate Holdings, LLC, a Delaware limited liability company ("Holdings"), certain subsidiaries of Holdings from time to time party thereto, the lenders from time to time party thereto and the several agents party thereto, including the Collateral Agent.

WITNESSETH:

WHEREAS, the Pledgors are party to a Security Agreement of even date with the Credit Agreement (as amended, amended and restated, supplemented, waived or otherwise modified from time to time, the "Security Agreement") in favor of the Collateral Agent pursuant to which the Pledgors are required to execute and deliver this Patent Security Agreement.

NOW, THEREFORE, in consideration of the premises and to induce the Collateral Agent, for the benefit of the Secured Parties, to enter into the Credit Agreement, the Pledgors hereby agree with the Collateral Agent as follows:

SECTION 1. Defined Terms. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement, or if not defined therein, in the Credit Agreement.

SECTION 2. Grant of Security Interest in Patent Collateral. Each Pledgor hereby pledges and grants to the Collateral Agent for the benefit of the Secured Parties a Lien on and security interest in and to all of its right, title and interest in, to and under all the following Pledged Collateral of such Pledgor, in each case excluding Excluded Property (collectively, the "Patent Collateral"):

- (a) all Patents of such Pledgor, including, without limitation, the United States patents and patent applications listed on Schedule 1 attached hereto; and
- (b) all Proceeds of any and all of the foregoing.

SECTION 3. Security Agreement. The security interest granted pursuant to this Patent Security Agreement is granted in conjunction with the security interest granted to the Collateral Agent pursuant to the Security Agreement, and the Pledgors hereby acknowledge and affirm that the rights and remedies of the Collateral Agent with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the Security Agreement, the

terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event that any provision of this Patent Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control.

SECTION 4. Termination. Upon the termination of the Aggregate Commitments and full payment and performance of the Secured Obligations (other than (i) contingent indemnification obligations and unasserted expense reimbursement obligations and (ii) obligations and liabilities under the Secured Hedging Agreements and Secured Cash Management Agreements as to which arrangements to the applicable Cash Management Bank or Hedge Bank shall have been made, survive the termination thereof, and any outstanding Letters of Credit that are cash collateralized in accordance with the Credit Agreement or are back-stopped), the security interest granted therein and the security interest granted herein shall automatically and immediately terminate and be deemed automatically and immediately released, and the Collateral Agent shall on the date thereof and, upon any request by any Pledgor, promptly execute, acknowledge, and deliver to the Pledgors an instrument in writing in recordable form releasing the collateral pledge, grant, assignment, lien and security interest in the Patents under this Patent Security Agreement.

SECTION 5. Recordation. Each Pledgor authorizes and requests that the Commissioner for Patents and any other applicable government officer record this Patent Security Agreement.

SECTION 6. Counterparts. This Patent Security Agreement may be executed in any number of counterparts, all of which shall constitute one and the same instrument, and any party hereto may execute this Patent Security Agreement by signing and delivering one or more counterparts. Delivery of an executed counterpart of this Patent Security Agreement by facsimile or other electronic means shall be effective as delivery of a manually executed counterpart of this Patent Security Agreement.

SECTION 7. Governing Law. This Patent Security Agreement and the transactions contemplated hereby, and all disputes between the parties under or relating to this Patent Security Agreement or the facts or circumstances leading to its execution, whether in contract, tort or otherwise, shall be construed in accordance with and governed by the laws (including statutes of limitation) of the State of New York, without regard to conflicts of law principles that would require the application of the laws of another jurisdiction.

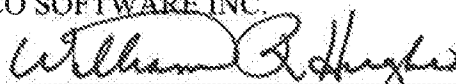
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IN WITNESS WHEREOF, each Pledgor has caused this Patent Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

PLEDGORS

TIBCO SOFTWARE INC.

By:



Name: *William R. Hughes*

Title: *VP, CAO & GC*

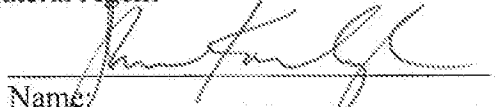


[SIGNATURE PAGE TO PATENT SECURITY AGREEMENT]

Accepted and Agreed:

JPMORGAN CHASE BANK, N.A.,
as Collateral Agent

By:


Name: _____
Title: **John G. Kowalczyk**
Executive Director

[SIGNATURE PAGE TO PATENT SECURITY AGREEMENT]

SCHEDULE 1
to
PATENT SECURITY AGREEMENT

UNITED STATES PATENTS AND PATENT APPLICATIONS

United States Patents:

	Assignee	Patent Title	Serial No.	Filing Date	Patent No.	Issue Date
1.	TIBCO Software Inc.	CUSTOM-BUILT PROCESS ENGINE WITH MINIMAL MEMORY AND DISK RESOURCE CONSUMPTION	15274120	09/23/2016		
2.	TIBCO Software Inc.	JUST IN TIME COMPIlation (JIT) FOR BUSINESS PROCESS EXECUTION	15344138	11/04/2016		
3.	TIBCO Software Inc.	ADAPTIVE PAGE REPLACEMENT	62424331	11/18/2016		
4.	TIBCO Software Inc.	USING A B-TREE TO STORE GRAPH INFORMATION IN A DATABASE	15357924	11/21/2016		