

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5235589

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT
EFFECTIVE DATE:	10/01/2018
CONVEYING PARTY DATA	
Name	Execution Date
TIBCO KABIRA LLC	11/12/2018
RECEIVING PARTY DATA	
Name:	TIBCO SOFTWARE INC.
Street Address:	3303 HILLVIEW AVENUE
City:	PALO ALTO
State/Country:	CALIFORNIA
Postal Code:	94304
PROPERTY NUMBERS Total: 7	
Property Type	Number
Patent Number:	6023580
Application Number:	61101967
Patent Number:	8438421
Patent Number:	8606877
Application Number:	61049630
Patent Number:	8219852
Patent Number:	8407723
CORRESPONDENCE DATA	
Fax Number:	(703)712-5050
<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:	7037125000
Email:	rdbaker@mcguirewoods.com
Correspondent Name:	ROBERT HILTON
Address Line 1:	1750 TYSONS BOULEVARD, SUITE 1800
Address Line 4:	TYSONS, VIRGINIA 22102
NAME OF SUBMITTER:	REGINA BAKER
SIGNATURE:	/REGINA BAKER/
DATE SIGNED:	11/13/2018

Total Attachments: 5

source=Assignment#page1.tif

source=Assignment#page2.tif

source=Assignment#page3.tif

source=Assignment#page4.tif

source=Assignment#page5.tif

CONFIRMATORY PATENT ASSIGNMENT

THIS CONFIRMATORY ASSIGNMENT is made effective, *nunc pro tunc*, as of October 1, 2018 which is the Effective Date of the Assignment and Assumption Agreement between TIBCO Software Inc., a Delaware corporation ("TIBCO") and TIBCO Kabira LLC (f/k/a/ TIBCO Kabira Inc. and f/k/a/ Kabira Technologies, Inc.), a Delaware limited liability company and a wholly-owned subsidiary of TIBCO ("Kabira").

WHEREAS, Kabira, a Delaware limited liability company organized and existing under the laws of the state of Delaware, having a place of business at 3303 Hillview Avenue, Palo Alto, California, 94304 ("Assignor"), is the owner of all rights, title and interest in and to the patent applications and registered patents listed on the attached Exhibit A (the "Patents").

WHEREAS, TIBCO Software Inc., a corporation organized and existing under the laws of the state of Delaware, having a place of business at 3303 Hillview Avenue, Palo Alto, California, 94304, ("Assignee") is desirous of acquiring the Patents, and related inventions thereof.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor confirms that it has sold, assigned and transferred, and does hereby sell, assign, and transfer, *nunc pro tunc*, as of October 1, 2018, unto Assignee, its successors and assigns all right, title and interest for the United States and all other countries, in and to the Patents, and all inventions disclosed or claimed therein, and any Letters Patent or Patent or applications therefore which may hereafter be filed or granted on the same in the United States and all countries throughout the world including any reissues, divisions, renewals, continuations in whole or in part, substitutions, conversions, reexaminations, prolongations, provisionals or extensions thereof, as well as rights to any and all existing causes of action and the right to past damages associated therewith, and all rights under the Paris Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the

term or terms for which Patents may be granted as fully and entirely as the same would have been held and enjoyed by Assignor had this sale, assignment, and transfer not been made.

Assignor further agrees that assignor will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Patents and Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Patents and Letters Patent for said inventions and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

This assignment shall be binding upon the successors and assigns of Assignor and shall inure to the benefit of the successors and assigns of Assignee.

IN WITNESS WHEREOF, said Assignor, has executed and delivered this instrument as of the Effective Date.

TIBCO KABIRA LLC

By: TIBCO Software Inc., its Managing
Member

By: William B. Hughes
Name: William Hughes
Title: EVP, Chief Administrative Officer & General Counsel
Date: Nov 12, 2018

TIBCO SOFTWARE INC.

By: William B. Hughes
Name: William Hughes
Title: EVP, Chief Administrative Officer & General Counsel
Date: Nov 12, 2018

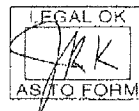


Exhibit A

Patent Applications and Registrations:

Country	Application No.	Filing Date	Title of Invention	Registration Date	Registration No.
USA	08/887,958	7/3/1997	APPARATUS AND METHOD FOR TESTING COMPUTER SYSTEMS	2/8/2000	6,023,580
USA	11/959,345	12/18/2007	LIBRARY OF SERVICES TO GUARANTEE TRANSACTION PROCESSING APPLICATION IS FULLY TRANSACTIONAL	N/A	N/A
USA	11/959,333	12/18/2007	METHOD AND SYSTEM FOR BUILDING TRANSACTIONAL APPLICATIONS USING AN INTEGRATED DEVELOPMENT ENVIRONMENT	N/A	N/A
PCT	PCT/US2008/085874	12/8/2008	METHOD AND SYSTEM FOR BUILDING TRANSACTIONAL APPLICATIONS USING AN INTEGRATED DEVELOPMENT ENVIRONMENT, INCLUDING A LIBRARY OF SERVICES TO GUARANTEE TRANSACTION PROCESSING APPLICATION IS FULLY TRANSACTIONAL	N/A	N/A
USA	61/101,967	10/1/2008	KTVM ARCHITECTURE	N/A	N/A
USA	13/464,814	5/4/2012	JAVA VIRTUAL MACHINE HAVING INTEGRATED TRANSACTION MANAGEMENT SYSTEM	5/7/2013	8,438,421
USA	12/433,087	4/30/2009	JAVA VIRTUAL MACHINE HAVING INTEGRATED TRANSACTION MANAGEMENT SYSTEM	N/A	N/A
USA	12/433,617	4/30/2009	JAVA VIRTUAL MACHINE HAVING INTEGRATED TRANSACTION MANAGEMENT SYSTEM	N/A	N/A
USA	12/433,742	4/30/2009	JAVA VIRTUAL MACHINE HAVING INTEGRATED TRANSACTION MANAGEMENT SYSTEM	12/10/2013	8,606,877
USA	61/049,630	5/1/2008	KTVM ARCHITECTURE	N/A	N/A

USA	12/433,094	4/30/2009	JAVA VIRTUAL MACHINE HAVING INTEGRATED TRANSACTION MANAGEMENT SYSTEM	7/10/2012	8,219,852
PCT	PCT/US2009/042389	4/30/2009	JAVA VIRTUAL MACHINE HAVING INTEGRATED TRANSACTION MANAGEMENT SYSTEM	N/A	N/A
USA	12/576,186	10/8/2009	JAVA VIRTUAL MACHINE HAVING INTEGRATED TRANSACTION MANAGEMENT SYSTEM AND FACILITY TO QUERY MANAGED OBJECTS	3/26/2013	8,407,723