OP \$2065.00 7702108

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 ETAS ID: TM606262

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|------------------|----------------|
|------------------|----------------|

NATURE OF CONVEYANCE: Security Agreement

CONVEYING PARTY DATA

| Name | Formerly | Execution Date | Entity Type |
|---------------------|----------|----------------|-----------------------|
| TIBCO Software Inc. | | 10/30/2020 | Corporation: DELAWARE |

RECEIVING PARTY DATA

| Name: | JPMorgan Chase Bank, N.A., as Collateral Agent | |
|-------------------|--|--|
| Street Address: | 10 South Dearborn, Floor L2 | |
| Internal Address: | Mail Code IL1-0480 | |
| City: | Chicago | |
| State/Country: | ILLINOIS | |
| Postal Code: | 60603 | |
| Entity Type: | Bank: UNITED STATES | |

PROPERTY NUMBERS Total: 82

| Property Type | Number | Word Mark | |
|----------------|----------|--------------------------------|--|
| Serial Number: | 77021083 | ACTIVEMATRIX | |
| Serial Number: | 77978909 | ACTIVESPACES | |
| Serial Number: | 85681875 | API DISTRIBUTION NETWORK | |
| Serial Number: | 78810866 | AUTOMATOR | |
| Serial Number: | 77330598 | BI BRIDGE | |
| Serial Number: | 85674384 | BUSINESS OF APIS | |
| Serial Number: | 77873740 | BW MONITOR | |
| Serial Number: | 77845070 | COMMUNITY MANAGER | |
| Serial Number: | 85890177 | DATA HEALTH CHECK | |
| Serial Number: | 76394967 | DECISIONSITE | |
| Serial Number: | 76181019 | | |
| Serial Number: | 77646332 | | |
| Serial Number: | 86809268 | 0 | |
| Serial Number: | 87204285 | | |
| Serial Number: | 88320503 | EBX | |
| Serial Number: | 74094039 | EDISIM | |
| Serial Number: | 85610324 | ELECTRONIC STATISTICS TEXTBOOK | |
| Serial Number: | 86957372 | FLOGO | |

TRADEMARK REEL: 007093 FRAME: 0076

900577817

| Serial Number: 87940738 FLOGO Serial Number: 85195138 FORESIGHT Serial Number: 77869624 FORMVINE Serial Number: 76171668 GRAPHLET Serial Number: 78172038 GRIDSERVER Serial Number: 74704405 HAWK Serial Number: 77823592 HIPAA OHANGE INTERPRETATION GUIDE Serial Number: 76327221 HIPAA OHANGE INTERPRETATION GUIDE Serial Number: 76327221 HIPAA OHANGE INTERPRETATION GUIDE Serial Number: 85713272 I/O DOCS Serial Number: 76327221 I/O DOCS Serial Number: 7652789 INFORNATION BUS Serial Number: 76436559 INSTREAM Serial Number: 76436559 INSTREAM Serial Number: 78610333 JASPERREPORTS Serial Number: 78610333 JASPERREPORTS Serial Number: 8610315 JASPERSOFT Serial Number: 8617856 LOGLOGIC Serial Number: 8637859 LOYALTY LAB <th>Property Type</th> <th>Number</th> <th>Word Mark</th> | Property Type | Number | Word Mark |
|---|----------------|----------|-----------------------------------|
| Serial Number: 85976010 FORESIGHT Serial Number: 77869624 FORMVINE Serial Number: 76171668 GRAPHLET Serial Number: 78172038 GRIDSERVER Serial Number: 74704405 HAWK Serial Number: 77823592 HIPAA CHANGE INTERPRETATION GUIDE Serial Number: 76327221 HIPAA VALIDATOR Serial Number: 85713272 I/O DOCS Serial Number: 75172120 INCONCERT Serial Number: 76832769 INFORMATION BUS Serial Number: 76436559 INSTREAM Serial Number: 85189761 IPROCESS Serial Number: 78610333 JASPERREPORTS Serial Number: 78610315 JASPERSOFT Serial Number: 8610315 JASPERSOFT Serial Number: 85150002 LIVE SCORE Serial Number: 86137856 LOYALTY LAB Serial Number: 8637869 LOYALTY LAB Serial Number: 86065867 MASHERY Serial Number | Serial Number: | 87940738 | FLOGO |
| Serial Number: 77869624 FORMVINE Serial Number: 76171668 GRAPHLET Serial Number: 78172038 GRIDSERVER Serial Number: 74704405 HAWK Serial Number: 77823592 HIPAA CHANGE INTERPRETATION GUIDE Serial Number: 76327221 HIPAA VALIDATOR Serial Number: 85713272 I/O DOCS Serial Number: 76582769 INFORMATION BUS Serial Number: 76582769 INFORMATION BUS Serial Number: 76436559 INSTREAM Serial Number: 85189761 IPROCESS Serial Number: 78610333 JASPERSOFT Serial Number: 78610315 JASPERSOFT Serial Number: 7851266 LOGLOGIC Serial Number: 85150002 LIVE SCORE Serial Number: 86379859 LOYALTY LAB Serial Number: 86379859 LOYALTY LAB Serial Number: 86944411 MICROFLOW Serial Number: 86944411 MICROFLOW Serial Nu | Serial Number: | 85195138 | FORESIGHT |
| Serial Number: 76171668 GRAPHLET Serial Number: 78172038 GRIDSERVER Serial Number: 74704405 HAWK Serial Number: 77823592 HIPAA CHANGE INTERPRETATION GUIDE Serial Number: 76327221 HIPAA VALIDATOR Serial Number: 85713272 I/O DOCS Serial Number: 76582769 INFORMATION BUS Serial Number: 76582769 INFORMATION BUS Serial Number: 78610333 JASPERREPORTS Serial Number: 78610315 JASPERREPORTS Serial Number: 78610315 JASPERSOFT Serial Number: 76610315 JASPERSOFT Serial Number: 85375578 LASSO ENTERPRISE Serial Number: 85150002 LIVE SCORE Serial Number: 76611856 LOGLOGIC Serial Number: 86379859 LOYALTY LAB Serial Number: 86053667 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 76181018 OPENSPIRIT | Serial Number: | 85976010 | FORESIGHT |
| Serial Number: 78172038 GRIDSERVER Serial Number: 74704405 HAWK Serial Number: 77823592 HIPAA CHANGE INTERPRETATION GUIDE Serial Number: 76327221 HIPAA VALIDATOR Serial Number: 765172120 INCONCERT Serial Number: 76582769 INFORMATION BUS Serial Number: 76582769 INSTREAM Serial Number: 85189761 IPROCESS Serial Number: 78610333 JASPERREPORTS Serial Number: 78610315 JASPERSOFT Serial Number: 76012164 KABIRA Serial Number: 85375578 LASSO ENTERPRISE Serial Number: 85150002 LIVE SCORE Serial Number: 76611856 LOGLOGIC Serial Number: 86379659 LOYALTY LAB Serial Number: 86053667 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 76181018 OPENSPIRIT Serial Number: 76334151 PORTALBUILDER Se | Serial Number: | 77869624 | FORMVINE |
| Serial Number: 74704405 HAWK Serial Number: 77823592 HIPAA CHANGE INTERPRETATION GUIDE Serial Number: 76327221 HIPAA VALIDATOR Serial Number: 85713272 I/O DOCS Serial Number: 76582769 INCONCERT Serial Number: 76582769 INFORMATION BUS Serial Number: 76436559 INSTREAM Serial Number: 78610333 JASPERREPORTS Serial Number: 78610315 JASPERSOFT Serial Number: 76012164 KABIRA Serial Number: 85375578 LASSO ENTERPRISE Serial Number: 85150002 LIVE SCORE Serial Number: 76611856 LOGLOGIC Serial Number: 86379859 LOYALTY LAB Serial Number: 86065867 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 8634411 MICROFLOW Serial Number: 76334151 PORTALBUILDER Serial Number: 76334151 PORTALBUILDER Se | Serial Number: | 76171668 | GRAPHLET |
| Serial Number: 77823592 HIPAA CHANGE INTERPRETATION GUIDE Serial Number: 76327221 HIPAA VALIDATOR Serial Number: 85713272 I/O DOCS Serial Number: 75172120 INCONCERT Serial Number: 76582769 INFORMATION BUS Serial Number: 76436559 INSTREAM Serial Number: 85189761 IPROCESS Serial Number: 78610333 JASPERREPORTS Serial Number: 76610315 JASPERSOFT Serial Number: 76012164 KABIRA Serial Number: 853795578 LASSO ENTERPRISE Serial Number: 85150002 LIVE SCORE Serial Number: 86379859 LOYALTY LAB Serial Number: 86379859 LOYALTY LAB Serial Number: 86065867 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 8634411 MICROFLOW Serial Number: 76181018 OPENSPIRIT Serial Number: 86121626 PROCESS DATA EXPLORER | Serial Number: | 78172038 | GRIDSERVER |
| Serial Number: 76327221 HIPAA VALIDATOR Serial Number: 85713272 I/O DOCS Serial Number: 75172120 INCONCERT Serial Number: 76582769 INFORMATION BUS Serial Number: 76436559 INSTREAM Serial Number: 85189761 IPROCESS Serial Number: 78610333 JASPERREPORTS Serial Number: 78610315 JASPERSOFT Serial Number: 78610315 JASPERSOFT Serial Number: 76012164 KABIRA Serial Number: 85375578 LASSO ENTERPRISE Serial Number: 85150002 LIVE SCORE Serial Number: 76611856 LOGLOGIC Serial Number: 36379859 LOYALTY LAB Serial Number: 86065867 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 86944411 MICROFLOW Serial Number: 76181018 OPENSPIRIT Serial Number: 76334151 PORTALBUILDER Serial Number: | Serial Number: | 74704405 | HAWK |
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| Serial Number: 76582769 INFORMATION BUS Serial Number: 76436559 INSTREAM Serial Number: 85189761 IPROCESS Serial Number: 78610333 JASPERREPORTS Serial Number: 78610315 JASPERSOFT Serial Number: 76012164 KABIRA Serial Number: 85375578 LASSO ENTERPRISE Serial Number: 85150002 LIVE SCORE Serial Number: 76611856 LOGLOGIC Serial Number: 86379859 LOYALTY LAB Serial Number: 77646326 MASHERY Serial Number: 8605867 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 86944411 MICROFLOW Serial Number: 76181018 OPENSPIRIT Serial Number: 76334151 PORTALBUILDER Serial Number: 86121626 PROCESS DATA EXPLORER Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: | Serial Number: | 85713272 | I/O DOCS |
| Serial Number: 76436559 INSTREAM Serial Number: 85189761 IPROCESS Serial Number: 78610333 JASPERREPORTS Serial Number: 78610315 JASPERSOFT Serial Number: 85375578 LASSO ENTERPRISE Serial Number: 85150002 LIVE SCORE Serial Number: 76611856 LOGLOGIC Serial Number: 86379859 LOYALTY LAB Serial Number: 77646326 MASHERY Serial Number: 86965867 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 88554319 NIMBUS Serial Number: 8611018 OPENSPIRIT Serial Number: 76181018 OPENSPIRIT Serial Number: 86121626 PROCESS DATA EXPLORER Serial Number: 86121626 PROCESS TREE VIEWER Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: 76515955 RENDEZVOUS Serial Number: | Serial Number: | 75172120 | INCONCERT |
| Serial Number: 85189761 IPROCESS Serial Number: 78610333 JASPERREPORTS Serial Number: 78610315 JASPERSOFT Serial Number: 76012164 KABIRA Serial Number: 85375578 LASSO ENTERPRISE Serial Number: 85150002 LIVE SCORE Serial Number: 76611856 LOGLOGIC Serial Number: 86379859 LOYALTY LAB Serial Number: 77646326 MASHERY Serial Number: 86065867 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 88554319 NIMBUS Serial Number: 76181018 OPENSPIRIT Serial Number: 76334151 PORTALBUILDER Serial Number: 86121626 PROCESS DATA EXPLORER Serial Number: 86121655 PROCESS TREE VIEWER Serial Number: 85857956 PUSHBI Serial Number: 85857716 REPORT CATALOG Serial Number: 74634420 S+ Serial Number: | Serial Number: | 76582769 | INFORMATION BUS |
| Serial Number: 78610333 JASPERREPORTS Serial Number: 78610315 JASPERSOFT Serial Number: 76012164 KABIRA Serial Number: 85375578 LASSO ENTERPRISE Serial Number: 85150002 LIVE SCORE Serial Number: 76611856 LOGLOGIC Serial Number: 86379859 LOYALTY LAB Serial Number: 77646326 MASHERY Serial Number: 86065867 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 88554319 NIMBUS Serial Number: 76181018 OPENSPIRIT Serial Number: 76334151 PORTALBUILDER Serial Number: 86121626 PROCESS DATA EXPLORER Serial Number: 86121655 PROCESS TREE VIEWER Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: 7634420 S+ Serial Number: 78390284 S+ Serial Number: 7 | Serial Number: | 76436559 | INSTREAM |
| Serial Number: 78610315 JASPERSOFT Serial Number: 76012164 KABIRA Serial Number: 85375578 LASSO ENTERPRISE Serial Number: 85150002 LIVE SCORE Serial Number: 76611856 LOGLOGIC Serial Number: 86379859 LOYALTY LAB Serial Number: 77646326 MASHERY Serial Number: 86065867 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 88554319 NIMBUS Serial Number: 76181018 OPENSPIRIT Serial Number: 76334151 PORTALBUILDER Serial Number: 86121626 PROCESS DATA EXPLORER Serial Number: 86121655 PROCESS TREE VIEWER Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: 85857716 REPORT CATALOG Serial Number: 74634420 S+ Serial Number: 78390284 S+ Serial Number: <td< th=""><th>Serial Number:</th><th>85189761</th><th>IPROCESS</th></td<> | Serial Number: | 85189761 | IPROCESS |
| Serial Number: 76012164 KABIRA Serial Number: 85375578 LASSO ENTERPRISE Serial Number: 85150002 LIVE SCORE Serial Number: 76611856 LOGLOGIC Serial Number: 86379859 LOYALTY LAB Serial Number: 77646326 MASHERY Serial Number: 86065867 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 88554319 NIMBUS Serial Number: 76181018 OPENSPIRIT Serial Number: 76334151 PORTALBUILDER Serial Number: 86121626 PROCESS DATA EXPLORER Serial Number: 86121655 PROCESS TREE VIEWER Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: 85857716 REPORT CATALOG Serial Number: 78390284 S+ Serial Number: 78550448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: | Serial Number: | 78610333 | JASPERREPORTS |
| Serial Number: 85375578 LASSO ENTERPRISE Serial Number: 85150002 LIVE SCORE Serial Number: 76611856 LOGLOGIC Serial Number: 86379859 LOYALTY LAB Serial Number: 77646326 MASHERY Serial Number: 86065867 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 88554319 NIMBUS Serial Number: 76181018 OPENSPIRIT Serial Number: 76334151 PORTALBUILDER Serial Number: 86121626 PROCESS DATA EXPLORER Serial Number: 86121655 PROCESS TREE VIEWER Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: 85857716 REPORT CATALOG Serial Number: 74634420 S+ Serial Number: 78590284 S+ Serial Number: 78550448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: | Serial Number: | 78610315 | JASPERSOFT |
| Serial Number: 85150002 LIVE SCORE Serial Number: 76611856 LOGLOGIC Serial Number: 86379859 LOYALTY LAB Serial Number: 77646326 MASHERY Serial Number: 86065867 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 88554319 NIMBUS Serial Number: 76181018 OPENSPIRIT Serial Number: 76334151 PORTALBUILDER Serial Number: 86121626 PROCESS DATA EXPLORER Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: 85857716 REPORT CATALOG Serial Number: 74634420 S+ Serial Number: 78590448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | Serial Number: | 76012164 | KABIRA |
| Serial Number: 76611856 LOGLOGIC Serial Number: 86379859 LOYALTY LAB Serial Number: 77646326 MASHERY Serial Number: 86065867 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 88554319 NIMBUS Serial Number: 76181018 OPENSPIRIT Serial Number: 76334151 PORTALBUILDER Serial Number: 86121626 PROCESS DATA EXPLORER Serial Number: 86121655 PROCESS TREE VIEWER Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: 85857716 REPORT CATALOG Serial Number: 74634420 S+ Serial Number: 78550448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | Serial Number: | 85375578 | LASSO ENTERPRISE |
| Serial Number: 86379859 LOYALTY LAB Serial Number: 77646326 MASHERY Serial Number: 86065867 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 88554319 NIMBUS Serial Number: 76181018 OPENSPIRIT Serial Number: 76334151 PORTALBUILDER Serial Number: 86121626 PROCESS DATA EXPLORER Serial Number: 86121655 PROCESS TREE VIEWER Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: 74634420 S+ Serial Number: 78390284 S+ Serial Number: 78550448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | Serial Number: | 85150002 | LIVE SCORE |
| Serial Number: 77646326 MASHERY Serial Number: 86065867 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 88554319 NIMBUS Serial Number: 76181018 OPENSPIRIT Serial Number: 76334151 PORTALBUILDER Serial Number: 86121626 PROCESS DATA EXPLORER Serial Number: 86121655 PROCESS TREE VIEWER Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: 85857716 REPORT CATALOG Serial Number: 74634420 S+ Serial Number: 78390284 S+ Serial Number: 78550448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | Serial Number: | 76611856 | LOGLOGIC |
| Serial Number: 86065867 MASHERY Serial Number: 86944411 MICROFLOW Serial Number: 88554319 NIMBUS Serial Number: 76181018 OPENSPIRIT Serial Number: 76334151 PORTALBUILDER Serial Number: 86121626 PROCESS DATA EXPLORER Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: 85857716 REPORT CATALOG Serial Number: 74634420 S+ Serial Number: 78590448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | Serial Number: | 86379859 | LOYALTY LAB |
| Serial Number: 86944411 MICROFLOW Serial Number: 88554319 NIMBUS Serial Number: 76181018 OPENSPIRIT Serial Number: 76334151 PORTALBUILDER Serial Number: 86121626 PROCESS DATA EXPLORER Serial Number: 86121655 PROCESS TREE VIEWER Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: 85857716 REPORT CATALOG Serial Number: 74634420 S+ Serial Number: 78390284 S+ Serial Number: 78550448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | Serial Number: | 77646326 | MASHERY |
| Serial Number: 88554319 NIMBUS Serial Number: 76181018 OPENSPIRIT Serial Number: 76334151 PORTALBUILDER Serial Number: 86121626 PROCESS DATA EXPLORER Serial Number: 86121655 PROCESS TREE VIEWER Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: 85857716 REPORT CATALOG Serial Number: 74634420 S+ Serial Number: 78390284 S+ Serial Number: 78550448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | Serial Number: | 86065867 | MASHERY |
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| Serial Number: 76334151 PORTALBUILDER Serial Number: 86121626 PROCESS DATA EXPLORER Serial Number: 86121655 PROCESS TREE VIEWER Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: 85857716 REPORT CATALOG Serial Number: 74634420 S+ Serial Number: 78390284 S+ Serial Number: 78550448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | Serial Number: | 88554319 | NIMBUS |
| Serial Number: 86121626 PROCESS DATA EXPLORER Serial Number: 86121655 PROCESS TREE VIEWER Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: 85857716 REPORT CATALOG Serial Number: 74634420 S+ Serial Number: 78390284 S+ Serial Number: 78550448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | Serial Number: | 76181018 | OPENSPIRIT |
| Serial Number: 86121655 PROCESS TREE VIEWER Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: 85857716 REPORT CATALOG Serial Number: 74634420 S+ Serial Number: 78390284 S+ Serial Number: 78550448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | | 76334151 | PORTALBUILDER |
| Serial Number: 85857956 PUSHBI Serial Number: 76515955 RENDEZVOUS Serial Number: 85857716 REPORT CATALOG Serial Number: 74634420 S+ Serial Number: 78390284 S+ Serial Number: 78550448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | Serial Number: | 86121626 | |
| Serial Number: 76515955 RENDEZVOUS Serial Number: 85857716 REPORT CATALOG Serial Number: 74634420 S+ Serial Number: 78390284 S+ Serial Number: 78550448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | Serial Number: | 86121655 | PROCESS TREE VIEWER |
| Serial Number: 85857716 REPORT CATALOG Serial Number: 74634420 S+ Serial Number: 78390284 S+ Serial Number: 78550448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | Serial Number: | 85857956 | PUSHBI |
| Serial Number: 74634420 S+ Serial Number: 78390284 S+ Serial Number: 78550448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | Serial Number: | 76515955 | RENDEZVOUS |
| Serial Number: 78390284 S+ Serial Number: 78550448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | Serial Number: | 85857716 | |
| Serial Number: 78550448 S+FINMETRICS Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | | | |
| Serial Number: 77934643 SBX Serial Number: 87181239 SCRIBE | | | |
| Serial Number: 87181239 SCRIBE | | | |
| | | | |
| Serial Number: 86204747 SIMPLR | | | |
| | Serial Number: | 86204747 | SIMPLR |

| Property Type | Number | Word Mark |
|----------------|----------|-----------------------------|
| Serial Number: | 76144723 | SMARTSOCKETS |
| Serial Number: | 77293985 | SPEEDLINK |
| Serial Number: | 73679061 | S-PLUS |
| Serial Number: | 75483344 | SPOTFIRE |
| Serial Number: | 86143572 | SPOTFIRE |
| Serial Number: | 88014379 | STATISTICA |
| Serial Number: | 78362582 | STREAMBASE |
| Serial Number: | 78731054 | STUDIO |
| Serial Number: | 76324558 | THE POWER OF NOW |
| Serial Number: | 74089504 | TIB |
| Serial Number: | 77750461 | TIBBR |
| Serial Number: | 76303227 | TIBCO |
| Serial Number: | 86102247 | TIBCO |
| Serial Number: | 76324928 | TIBCO |
| Serial Number: | 86102253 | TIBCO |
| Serial Number: | 86107773 | TIBCO |
| Serial Number: | 77869550 | TIBCO BUSINESSEVENTS |
| Serial Number: | 85030600 | TIBCO FTL |
| Serial Number: | 86267397 | TIBCO NOW |
| Serial Number: | 75404906 | TRADESITE |
| Serial Number: | 76561550 | TRANSACTION INSIGHT |
| Serial Number: | 85845332 | TURNING CUSTOMERS INTO FANS |
| Serial Number: | 85131074 | TWO-SECOND ADVANTAGE |
| Serial Number: | 85977097 | TWO-SECOND ADVANTAGE |
| Serial Number: | 88977024 | DOVETAIL |
| Serial Number: | 88977330 | BLOCKLAYER |

CORRESPONDENCE DATA

Fax Number: 8009144240

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: 800-713-0755

Email: Michael.Violet@wolterskluwer.com

Correspondent Name: CT Corporation

Address Line 1: 4400 Easton Commons Way

Address Line 2: Suite 125

Address Line 4: Columbus, OHIO 43219

| NAME OF SUBMITTER: | Doris Ka |
|--------------------|------------|
| SIGNATURE: | /Doris Ka/ |

| DATE SIGNED: | 11/02/2020 |
|-------------------------------------|-----------------------------------|
| Total Attachments: 10 | |
| source=05. TIBCO - Term Loan Tradem | nark Security Agreement#page1.tif |
| source=05. TIBCO - Term Loan Tradem | ark Security Agreement#page2.tif |
| source=05. TIBCO - Term Loan Tradem | ark Security Agreement#page3.tif |
| source=05. TIBCO - Term Loan Tradem | ark Security Agreement#page4.tif |
| source=05. TIBCO - Term Loan Tradem | ark Security Agreement#page5.tif |
| source=05. TIBCO - Term Loan Tradem | ark Security Agreement#page6.tif |
| source=05. TIBCO - Term Loan Tradem | ark Security Agreement#page7.tif |
| source=05. TIBCO - Term Loan Tradem | ark Security Agreement#page8.tif |
| source=05. TIBCO - Term Loan Tradem | ark Security Agreement#page9.tif |
| source=05. TIBCO - Term Loan Tradem | ark Security Agreement#page10.tif |

TRADEMARK SECURITY AGREEMENT

This Trademark Security Agreement dated as of October 30, 2020 (this "<u>Trademark Security Agreement</u>"), 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 "<u>Collateral Agent</u>") pursuant to that certain Term Loan Credit Agreement, dated as of October 30, 2020 (as amended, amended and restated, supplemented, waived, renewed, replaced or otherwise modified from time to time, the "<u>Credit Agreement</u>"), by and among TIBCO Software Inc., a Delaware corporation (the "<u>Borrower</u>"), Balboa Intermediate Holdings, LLC, a Delaware limited liability company ("<u>Holdings</u>"), certain other 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 Term Loan 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 Trademark 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. <u>Defined Terms</u>. 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. <u>Grant of Security Interest in Trademark Collateral</u>. 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 "Trademark Collateral"):

- (a) all Trademarks of such Pledgor, including, without limitation, the United States registered Trademarks and applications for Trademark registration, listed on <u>Schedule 1</u> attached hereto;
 - (b) all Goodwill associated with such Trademarks; and
 - (c) all Proceeds of any and all of the foregoing.

SECTION 3. Security Agreement. The security interest granted pursuant to this Trademark 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 Trademark 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 Trademark Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control.

SECTION 4. <u>Termination</u>. Upon the termination of the Commitments and full payment and performance of the Obligations (other than contingent indemnification obligations and unasserted expense reimbursement obligations), 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 Trademarks under this Trademark Security Agreement. Any portion of the Trademark Collateral shall be released automatically as set forth in the Pari Passu Intercreditor Agreement.

SECTION 5. <u>Recordation</u>. Each Pledgor authorizes and requests that the Commissioner for Trademarks and any other applicable government officer record this Trademark Security Agreement.

SECTION 6. <u>Counterparts</u>. This Trademark 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 Trademark Security Agreement by signing and delivering one or more counterparts. Delivery of an executed counterpart of this Trademark Security Agreement by facsimile or other electronic means shall be effective as delivery of a manually executed counterpart of this Trademark Security Agreement.

SECTION 7. Governing Law. This Trademark Security Agreement and the transactions contemplated hereby, and all disputes between the parties under or relating to this Trademark 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.

SECTION 8. Pari Passu Intercreditor Agreement Governs. Notwithstanding anything herein to the contrary, the lien and security interest granted to the Collateral Agent, pursuant to this Trademark Security Agreement and the exercise of any right or remedy by the Collateral Agent hereunder will be subject to the limitations and provisions of the Pari Passu Intercreditor Agreement, upon and during the effectiveness thereof. In the event of any conflict between the terms of the Pari Passu Intercreditor Agreement, upon and during the effectiveness thereof, and this Trademark Security Agreement, the terms of the Pari Passu Intercreditor Agreement shall govern and control.

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

PLEDGOR(S):

TIBCO SOFTWARE INC.,

a Delaware corporation

By:

Name: Thomas Berquist

Title: Chief Financial Officer

[TIBCO - Signature Page to Trademark Security Agreement (1L)]

PLEDGOR(S) (continued):

TIBCO KABIRA LLC,

a Delaware limited liability company

By: TIBCO Software Inc. Its: Managing Member

By: _____

Name: Thomas Berquist
Title: Chief Financial Officer

[TIBCO - Signature Page to Trademark Security Agreement (1L)]

Accepted and Agreed:

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

By:

Name: Matthew Cheung

Title: Vice President

REEL: 007093 FRAME: 0084

$\frac{\text{SCHEDULE 1}}{\underline{\text{to}}}$ $\frac{\text{TRADEMARK SECURITY AGREEMENT}}{}$

UNITED STATES TRADEMARK REGISTRATIONS AND APPLICATIONS

United States Trademark Registrations and Applications:

| | Owner | Trademark | Serial No. | Filing Date | Reg. No. | Reg. Date |
|-----|---------------------|-----------------------------|------------|-------------|----------|------------|
| 1. | TIBCO Software Inc. | ACTIVEMATRIX | 77021083 | 10/13/2006 | 3454367 | 06/24/2008 |
| 2. | TIBCO Software Inc. | ACTIVESPACES | 77978909 | 10/29/2007 | 3773514 | 04/06/2010 |
| 3. | TIBCO Software Inc. | API DISTRIBUTION NETWORK | 85681875 | 0719/2012 | 4467986 | 01/14/2014 |
| 4. | TIBCO Software Inc. | Automator | 78810866 | 02/09/2006 | 3253254 | 06/19/2007 |
| 5. | TIBCO Software Inc. | BI Bridge | 77330598 | 11/15/2007 | 3673759 | 08/25/2009 |
| 6. | TIBCO Software Inc. | BUSINESS OF APIS | 85674384 | 07/11/2012 | 4382511 | 08/13/2013 |
| 7. | TIBCO Software Inc. | BW Monitor | 77873740 | 11/16/2009 | 3806953 | 06/22/2010 |
| 8. | TIBCO Software Inc. | Community Manager | 77845070 | 10/09/2009 | 3778087 | 04/20/2010 |
| 9. | TIBCO Software Inc. | Data Health Check | 85890177 | 03/29/2013 | 4439369 | 11/26/2013 |
| 10. | TIBCO Software Inc. | DECISIONSITE | 76394967 | 04/12/2002 | 2842234 | 05/18/2004 |
| 11. | TIBCO Software Inc. | Design | 76181019 | 12/14/2000 | 2836826 | 04/27/2004 |
| 12. | TIBCO Software Inc. | Design | 77646332 | 01/09/2009 | 3657444 | 07/21/2009 |
| 13. | TIBCO Software Inc. | Design | 86809268 | 11/04/2015 | 5973411 | 01/28/2020 |

| Owner | Trademark | Serial No. | Filing Date | Reg. No. | Reg. Date |
|-------------------------|--------------------------------------|----------------------------|-------------------------------------|--|--|
| CO Software Inc. Design | | 87204285 | 10/14/2016 | 5530922 | 07/31/2018 |
| CO Software Inc. | EBX | 88320503 | 02/28/2019 | 5994136 | 02/25/2020 |
| CO Software Inc. | EDISIM | 74094039 | 09/04/1990 | 1655409 | 09/03/1991 |
| CO Software Inc. | Electronic Statistics Textbook | 85610324 | 04/27/2012 | 4271257 | 01/08/2013 |
| CO Software Inc. | FLOGO | 86957372 | 03/30/2016 | 5192685 | 04/25/2017 |
| CO Software Inc. | FLOGO | 87940738 | 05/30/2018 | 5648830 | 01/08/2019 |
| CO Software Inc. | FORESIGHT | 85195138 | 12/10/2010 | 4508778 | 04/08/2014 |
| CO Software Inc. | FORESIGHT | 85976010 | 12/10/2010 | 4132081 | 04/24/2012 |
| CO Software Inc. | FORMVINE | 77869624 | 11/10/2009 | 3951799 | 04/26/2011 |
| CO Software Inc. | GRAPHLET | 76171668 | 11/28/2000 | 2709858 | 04/22/2003 |
| CO Software Inc. | GRIDSERVER | 78172038 | 10/08/2002 | 2867862 | 07/27/2004 |
| CO Software Inc. | HAWK | 74704405 | 07/24/1995 | 2547471 | 03/12/2002 |
| CO Software Inc. | HIPAA Change Interpretation Guide | 77823592 | 09/10/2009 | 3808729 | 06/22/2010 |
| CO Software Inc. | HIPAA VALIDATOR | 76327221 | 10/19/2001 | 2727978 | 06/17/2003 |
| CO Software Inc. | I/O DOCS | 85713272 | 08/27/2012 | 4373865 | 07/23/2013 |
| CO Software Inc. | INCONCERT | 75172120 | 09/25/1996 | 2105208 | 10/14/1997 |
| CO Software Inc. | INFORMATION BUS | 76582769 | 07/15/2004 | 3003002 | 09/27/2005 |
| CO Software Inc. | INSTREAM | 76436559 | 07/31/2002 | 2889767 | 09/28/2004 |
| CO Software Inc. | IPROCESS | 85189761 | 12/02/2010 | 3993411 | 07/12/2011 |
| CO Software Inc. | JasperReports | 78610333 | 04/15/2005 | 3472235 | 07/22/2008 |
| CO Software Inc. | JASPERSOFT | 78610315 | 04/15/2005 | 3313641 | 10/16/2007 |
| CO Software Inc. | KABIRA | 76012164 | 03/28/2000 | 2742704 | 07/29/2003 |
| CO Software Inc. | LASSO ENTERPRISE | 85375578 | 07/19/2011 | 4118168 | 03/27/2012 |
| O Softv | vare Inc. | ware Inc. LASSO ENTERPRISE | ware Inc. LASSO ENTERPRISE 85375578 | ware Inc. LASSO ENTERPRISE 85375578 07/19/2011 | ware Inc. LASSO ENTERPRISE 85375578 07/19/2011 4118168 |

| | Owner | Trademark | Serial No. | Filing Date | Reg. No. | Reg. Date |
|-----|---------------------|-----------------------|------------|-------------|----------|------------|
| 37. | TIBCO Software Inc. | live score | 85150002 | 10/11/2010 | 4005255 | 08/02/2011 |
| 38. | TIBCO Software Inc. | LOGLOGIC | 76611856 | 09/17/2004 | 3078192 | 04/11/2006 |
| 39. | TIBCO Software Inc. | LOYALTY LAB | 86379859 | 08/28/2014 | 4798246 | 08/25/2015 |
| 40. | TIBCO Software Inc. | MASHERY | 77646326 | 01/09/2009 | 3657443 | 07/21/2009 |
| 41. | TIBCO Software Inc. | MASHERY | 86065867 | 09/16/2013 | 4969135 | 05/31/2016 |
| 42. | TIBCO Software Inc. | MICROFLOW | 86944411 | 03/17/2016 | 5111318 | 12/27/2016 |
| 43. | TIBCO Software Inc. | NIMBUS | 88554319 | 07/31/2019 | 6167023 | 10/06/2020 |
| 44. | TIBCO Software Inc. | OPENSPIRIT | 76181018 | 12/14/2000 | 2884603 | 09/14/2004 |
| 45. | TIBCO Software Inc. | PORTALBUILDER | 76334151 | 11/05/2001 | 2690245 | 02/25/2003 |
| 46. | TIBCO Software Inc. | Process Data Explorer | 86121626 | 11/18/2013 | 4567439 | 07/15/2014 |
| 47. | TIBCO Software Inc. | Process Tree Viewer | 86121655 | 11/18/2013 | 4561641 | 07/01/2014 |
| 48. | TIBCO Software Inc. | PUSHBI | 85857956 | 02/22/2013 | 4420115 | 10/15/2013 |
| 49. | TIBCO Software Inc. | RENDEZVOUS | 76515955 | 05/21/2003 | 3018993 | 11/29/2005 |
| 50. | TIBCO Software Inc. | Report Catalog | 85857716 | 02/22/2013 | 4430241 | 11/05/2013 |
| 51. | TIBCO Software Inc. | S+ | 74634420 | 02/07/1995 | 2118217 | 12/02/1997 |
| 52. | TIBCO Software Inc. | S+ | 78390284 | 03/24/2004 | 3015058 | 11/15/2005 |
| 53. | TIBCO Software Inc. | S+FINMETRICS | 78550448 | 01/19/2005 | 3050420 | 01/24/2006 |
| 54. | TIBCO Software Inc. | SBX | 77934643 | 02/12/2010 | 4049945 | 11/01/2011 |
| 55. | TIBCO Software Inc. | SCRIBE | 87181239 | 09/23/2016 | 5212734 | 05/30/2017 |
| 56. | TIBCO Software Inc. | SIMPLR | 86204747 | 02/26/2014 | 5059901 | 10/11/2016 |
| 57. | TIBCO Software Inc. | SMARTSOCKETS | 76144723 | 10/10/2000 | 2546613 | 03/12/2002 |
| 58. | TIBCO Software Inc. | SPEEDLINK | 77293985 | 10/02/2007 | 3709284 | 11/10/2009 |
| 59. | TIBCO Software Inc. | S-PLUS | 73679061 | 08/17/1987 | 1486001 | 04/26/1988 |
| 60. | TIBCO Software Inc. | SPOTFIRE | 75483344 | 05/11/1998 | 2257101 | 06/29/1999 |
| 61. | TIBCO Software Inc. | SPOTFIRE | 86143572 | 12/13/2013 | 4537840 | 05/27/2014 |
| 62. | TIBCO Software Inc. | STATISTICA | 88014379 | 06/25/2018 | 5649275 | 01/08/2019 |
| 63. | TIBCO Software Inc. | STREAMBASE | 78362582 | 02/04/2004 | 3096450 | 05/23/2006 |
| 64. | TIBCO Software Inc. | Studio | 78731054 | 10/11/2005 | 3148425 | 09/26/2006 |

| | Owner | Trademark | Serial No. | Filing Date | Reg. No. | Reg. Date |
|-----|---------------------|--------------------------------|------------|-------------|----------|------------|
| 65. | TIBCO Software Inc. | THE POWER OF NOW | 76324558 | 10/15/2001 | 2703915 | 04/08/2003 |
| 66. | TIBCO Software Inc. | TIB | 74089504 | 08/20/1990 | 1659536 | 10/08/1991 |
| 67. | TIBCO Software Inc. | TIBBR | 77750461 | 06/02/2009 | 3871200 | 11/02/2010 |
| 68. | TIBCO Software Inc. | TIBCO | 76303227 | 08/20/2001 | 2770781 | 10/07/2003 |
| 69. | TIBCO Software Inc. | TIBCO | 86102247 | 10/25/2013 | 4537771 | 05/27/2014 |
| 70. | TIBCO Software Inc. | TIBCO & Design | 76324928 | 10/15/2001 | 2770804 | 10/07/2003 |
| | | M TIBCO | | | | |
| 71. | TIBCO Software Inc. | TIBCO & Design | 86102253 | 10/25/2013 | 4537772 | 05/27/2014 |
| | | NTIDCO | | | | |
| | | ■ TIBCO | | | | |
| 72. | TIBCO Software Inc. | TIBCO & Design | 86107773 | 11/01/2013 | 4650314 | 12/02/2014 |
| | | TIBC2 | | | | |
| 73. | TIBCO Software Inc. | TIBCO BUSINESSEVENTS | 77869550 | 11/10/2009 | 3810617 | 06/29/2010 |
| 74. | TIBCO Software Inc. | TIBCO FTL | 85030600 | 05/05/2010 | 3932797 | 03/15/2011 |
| 75. | TIBCO Software Inc. | TIBCO NOW | 86267397 | 04/30/2014 | 4778503 | 07/21/2015 |
| 76. | TIBCO Software Inc. | TradeSite | 75404906 | 12/15/1997 | 2356513 | 06/13/2000 |
| 77. | TIBCO Software Inc. | Transaction Insight | 76561550 | 11/20/2003 | 2942797 | 04/19/2005 |
| 78. | TIBCO Software Inc. | TURNING CUSTOMERS INTO FANS | 85845332 | 02/08/2013 | 5078195 | 11/08/2016 |
| 79. | TIBCO Software Inc. | TWO-SECOND ADVANTAGE | 85131074 | 09/16/2010 | 4455332 | 12/24/2013 |
| 80. | TIBCO Software Inc. | TWO-SECOND ADVANTAGE | 85977097 | 09/16/2010 | 4188186 | 08/07/2012 |
| 81. | TIBCO Software Inc. | DOVETAIL | 88977024 | 06/28/2018 | 6060587 | 05/19/2020 |
| 82. | TIBCO Software Inc. | BLOCKLAYER | 88977330 | 06/28/2018 | 6082063 | 06/16/2020 |

RECORDED: 11/02/2020