

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM493463

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
VIRTUAL INSTRUMENTS WORLDWIDE, INC.	FORMERLY LOAD DYNAMIX, INC.	10/10/2018	Corporation: CALIFORNIA
RECEIVING PARTY DATA			
Name:	WESTERN ALLIANCE BANK		
Street Address:	55 ALMADEN BOULEVARD, SUITE 100		
Internal Address:	ATTN: NOTE DEPARTMENT		
City:	SAN JOSE		
State/Country:	CALIFORNIA		
Postal Code:	95113		
Entity Type:	Corporation: ARIZONA		
PROPERTY NUMBERS Total: 10			
Property Type	Number	Word Mark	
Serial Number:	87415302	WORKLOADWISDOM	
Serial Number:	86703107	CLOUDWISDOM	
Serial Number:	86703071	APPWISDOM	
Registration Number:	4657508	LOAD DYNAMIX	
Registration Number:	4585640		
Registration Number:	4466529	PERFORMANCE. AVAILABILITY. GUARANTEED.	
Registration Number:	4168201	VIRTUAL INSTRUMENTS	
Registration Number:	3885358	X	
Registration Number:	3876204	XANGATI	
Registration Number:	3756036	VIRTUALWISDOM	
CORRESPONDENCE DATA			
Fax Number:	8585506420		
<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:	858-550-6433		
Email:	jmfitzpatrick@cooley.com		
Correspondent Name:	JENNIFER FITZPATRICK		
Address Line 1:	C/O COOLEY LLP		

CH \$265.00 87415302

Address Line 2: 4401 EASTGATE MALL
Address Line 4: SAN DIEGO, CALIFORNIA 92121

ATTORNEY DOCKET NUMBER: 305983-1040

NAME OF SUBMITTER: JENNIFER FITZPATRICK

SIGNATURE: /JENNIFER FITZPATRICK/

DATE SIGNED: 10/10/2018

Total Attachments: 4

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**FIRST AMENDMENT
TO
INTELLECTUAL PROPERTY SECURITY AGREEMENT**

This First Amendment to Intellectual Property Security Agreement is entered into as of October 10, 2018 (the “**Amendment**”) by and between **WESTERN ALLIANCE BANK**, an Arizona corporation (“**Bank**” or “**Lender**”) and **VIRTUAL INSTRUMENTS WORLDWIDE, INC.**, a California corporation (f/k/a Load Dynamix, Inc.) (“**Grantor**”).

RECITALS

Grantor and Lender are parties to that certain Intellectual Property Security Agreement dated as of April 4, 2016, as amended from time to time (the “IPSA”). The parties desire to amend the IPSA in accordance with the terms of this Amendment.

NOW, THEREFORE, the parties agree as follows:

1. Exhibit B (Trademarks) to the IPSA is hereby amended and restated in its entirety with Exhibit B attached hereto.

2. Exhibit C (Patents) to the IPSA is hereby amended and restated in its entirety with Exhibit C attached hereto.

3. Unless otherwise defined, all initially capitalized terms in this Amendment shall be as defined in the IPSA. The IPSA, as amended hereby, shall be and remain in full force and effect in accordance with its respective terms and hereby is ratified and confirmed in all respects. Except as expressly set forth herein, the execution, delivery, and performance of this Amendment shall not operate as a waiver of, or as an amendment of, any right, power, or remedy of Lender under the IPSA, as in effect prior to the date hereof. Grantor ratifies and reaffirms the continuing effectiveness of all agreements entered into in connection with the IPSA.

4. This Amendment may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one instrument.

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IN WITNESS WHEREOF, the undersigned have executed this Amendment as of the first date above written.

GRANTOR:

Address of Grantor:

VIRTUAL INSTRUMENTS WORLDWIDE, INC.

2331 Zanker Road
San Jose, CA 95110

By: *Peter A Dayton*
Name: Peter Dayton
Title: Chief Financial Officer

BANK:

Address of Bank:

WESTERN ALLIANCE BANK

55 Almaden Boulevard, Suite 100
San Jose, CA 95113
Attn: Note Department

By: *[Signature]*
Name: *Jeff Brown*
Title: *VP*

**EXHIBIT B
Trademarks**


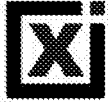
Description	Registration/ Serial Number	Registration/ Application Date
WORKLOADWISDOM	87/415,302	04/18/17
CLOUDWISDOM	86/703,107	07/23/15
APPWISDOM	86/703/071	07/23/15
Load Dynamix logo	4,657,508	12/16/14
	4,585,640	08/12/14
PERFORMANCE, AVAILABILITY, GUARANTEED.	4,466,529	01/14/14
VIRTUAL INSTRUMENTS	4,168,201	07/03/12
	3,885,358	12/07/10
XANGATI	3,876,204	11/16/10
VIRTUALWISDOM	3,756,036	03/02/10

EXHIBIT C

Patents

Description	Patent / Application Number	Issue / Application Date
Automatically Determining Locations of Network Monitors in a Communication	10,020,994	07/10/18
Symptom detection using behavior probability density, network monitoring of multiple observation value types, and network monitoring using orthogonal profiling dimensions	9,961,094	05/01/18
Enhanced Flow Processing	9,935,858	04/03/18
Validating workload distribution in a storage area network	9,882,841	01/30/18
Push pull data collection	9,716,638	07/25/17
Storage area network queue depth profiler	9,699,032	07/04/17
Network monitoring using virtual packets	9,397,880	07/19/16
Network monitoring using thin film splitters and avalanche photodiode detectors in multimode application	9,294,194	03/22/16
Data Verification	9,256,503	02/09/16
Reversible fan module for electronic circuit assemblies	9,055,693	06/09/15
Network monitoring using bounded memory data structures	8,645,527	02/04/14
Network monitoring of behavior probability density	8,639,797	01/28/14
Network monitoring using virtual packets	8,451,731	05/28/13
Parallel distributed network monitoring	8,199,641	06/12/12
Defenses against software attacks in distributed computing environments	7,620,986	11/17/09
Dynamic DoS flooding protection	7,331,060	02/12/08
Method of maintaining lists of network characteristics	6,973,040	12/06/05
Method and apparatus for limiting network connection resources	6,816,910	11/09/04
Symptom detection using behavior probability density, network monitoring of multiple observation value types, and network monitoring using orthogonal profiling dimensions	15/946,092	4/5/2018
Enhanced flow processing	15/867,685	1/10/2018
Push pull data collection	15/619,425	6/9/2017
Virtual Machine Processor & Memory Resource Coordinator	14/501,820	09/30/14
Performance Analysis of a Time-Varying Network	14/284,753	05/22/14
Identifying Problems In A Storage Area Network	14/284,254	05/21/14