

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5709431

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
VIRTUAL INSTRUMENTS WORLDWIDE, INC.	08/06/2019
RECEIVING PARTY DATA	
Name:	WESTERN ALLIANCE BANK
Street Address:	55 ALMADEN BOULEVARD, SUITE 100
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95113
PROPERTY NUMBERS Total: 4	
Property Type	Number
Patent Number:	6876988
Patent Number:	7280988
Patent Number:	7127439
Patent Number:	7099799
CORRESPONDENCE DATA	
Fax Number:	(858)550-6420
<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
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:	09/10/2019
Total Attachments: 5	
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PATENT

REEL: 050320 FRAME: 0312

**SECOND AMENDMENT
TO
INTELLECTUAL PROPERTY SECURITY AGREEMENT**

This Second Amendment to Intellectual Property Security Agreement is entered into as of August 6, 2019 (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 replaced in its entirety with that attached hereto as Exhibit B.
2. Exhibit C (Patents) to the IPSA is hereby replaced in its entirety with that attached hereto as Exhibit C.
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.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

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 95131

By: Peter A. Dayton
Name: Peter A. 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: _____
Name: _____
Title: _____

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 95131

By: _____
Name: _____
Title: _____

BANK:

Address of Bank:

WESTERN ALLIANCE BANK

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


By:  _____
Name: Jeff Brown
Title: VP

EXHIBIT B
Trademarks

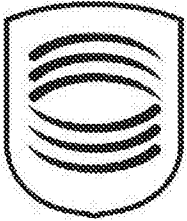
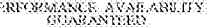
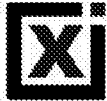




Description	Registration/ Serial Number	Registration/ Application Date
WORKLOADWISDOM	87/415,302	04/18/17
CLOUDWISDOM	86/703,107	07/23/15
APPWISDOM	86/703/071	07/23/15
Load Dynamix logo	4,657,508	12/16/14
	4,585,640	08/12/14
	4,466,529	01/14/14
VIRTUAL INSTRUMENTS	4,168,201	07/03/12
	3,885,358	12/07/10
XANGATI	3,876,204	11/16/10
VIRTUALWISDOM	3,756,036	03/02/10
NETUITIVE	2,553,373	03/26/02
NETUITIVE	2,556,751	04/02/02
 NETUITIVE	3,000,435	09/27/05
	3,052,522	01/31/06
 NETUITIVE	4,870,399	12/15/15
METRICLY	5,382,588	01/16/18
 METRICLY	5,382,589	01/16/18

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
Enhanced Computer Performance Forecasting System	6,876,988	03/16/01
Method And System For Analyzing And Predicting The Performance Of Computer Network Using Time Series Measurements	7,280,988	12/19/02
Automated Analyzers For Estimation Systems	7,127,439	06/07/02
Computer Performance Estimation System Configured To Take Expected Events Into Consideration	7,099,799	10/27/04