

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6242849

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TRAVIS YOUNG	09/06/2018
DANIEL HAKIM	09/06/2018
DANIEL FRANCHY	09/06/2018
JARED NAPORA	09/06/2018
JOHN KARVOUNIS	09/11/2018
JONATHAN FETTER DEGGES	09/07/2018
TIM WANG	09/10/2018
BENJAMIN FUNK	09/06/2018
CAROLE TEOLIS	09/06/2018
CAROL POLITI	09/11/2018
STUART WOODBURY	09/06/2018
RECEIVING PARTY DATA	
Name:	TRX Systems, Inc.
Street Address:	6411 Ivy Lane
Internal Address:	Suite 510
City:	Greenbelt
State/Country:	MARYLAND
Postal Code:	20770
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	16989287
Application Number:	16989212
CORRESPONDENCE DATA	
Fax Number:	(215)568-3439
<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:	2155683100
Email:	patents@bakerlaw.com
Correspondent Name:	BAKERHOSTETLER
Address Line 1:	2929 ARCH STREET

PATENT

Address Line 2: CIRA CENTRE, 12TH FLOOR
Address Line 4: PHILADELPHIA, PENNSYLVANIA 19104

ATTORNEY DOCKET NUMBER: 101590.000123 & 000125

NAME OF SUBMITTER: HEATHER LUNCEFORD

SIGNATURE: /HEATHER LUNCEFORD/

DATE SIGNED: 08/10/2020

Total Attachments: 22

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ASSIGNMENT

WHEREAS, I, **Jon Fetter Degges**, residing at **Washington, D.C.**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **101590.000109** ("the invention"), application number **62/679,718**, filed **June 1, 2018**, which is entitled **MAPPING COMPLEX BUILDING MODELS** ("the subject application").

AND WHEREAS, **TRX SYSTEMS, INC.**, ASSIGNEE, having a place of business at **7500 GREENWAY CENTER DRIVE, SUITE 420, GREENBELT, MARYLAND 20770**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 7th day of September, year of 2018.

[Signature]
Signature - Jon Fetter Degges

STATEMENT OF WITNESS

SIGNED at Creechbelt, MD USA
(City) (Country)

This 7th day of September, 2018.

I, Carole Teal whose full
residence address is 8101 Hollygate Dr
Germ Dale, MD 20769

was personally present and did see Jon Fetter Degges execute the above assignment on the
7th day of September, 2018, and such assignor is personally known to me to be the
person described in such document.

[Signature]
Signature of Witness

ASSIGNMENT

WHEREAS, I, Daniel Franchy, residing at Catonsville, Maryland, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number 101590.000109 ("the invention"), application number 62/679,718, filed June 1, 2018, which is entitled **MAPPING COMPLEX BUILDING MODELS** ("the subject application").

AND WHEREAS, TRX SYSTEMS, INC., ASSIGNEE, having a place of business at 7500 GREENWAY CENTER DRIVE, SUITE 420, GREENBELT, MARYLAND 20770, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

DOCKET NO.: 101590.000109

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 6th day of September, year of 2018.


Signature - Daniel Franchy

STATEMENT OF WITNESS

SIGNED at Greenbelt, MD USA

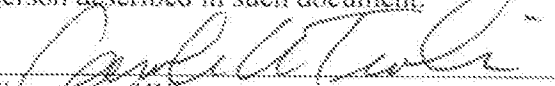
(City) (Country)

This 6th day of September, 2018.

I, Carole Teolis whose full

residence address is 8101 Hollygate Dr.
Green Dale, MD 20769

was personally present and did see Daniel Franchy execute the above assignment on the 6th day of September, 2018, and such assignor is personally known to me to be the person described in such document.


Signature of Witness

ASSIGNMENT

WHEREAS, I, **Benjamin Funk**, residing at **Hanover, Maryland**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **101590.000109** ("the invention"), application number **62/679,718**, filed **June 1, 2018**, which is entitled **MAPPING COMPLEX BUILDING MODELS** ("the subject application").

AND WHEREAS, **TRX SYSTEMS, INC.**, ASSIGNEE, having a place of business at **7500 GREENWAY CENTER DRIVE, SUITE 420, GREENBELT, MARYLAND 20770**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

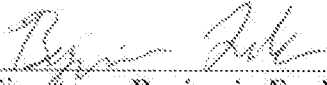
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 6 day of September, year of 2018.


Signature - Benjamin Funk

STATEMENT OF WITNESS

SIGNED at Greenbelt, MD USA

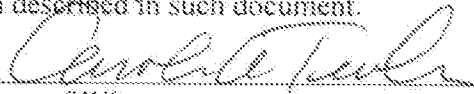
(City) (Country)

This 6th day of September, 2018.

I, Carole Teolis whose full

residence address is 8101 Hollygate Rd
Glenn Dale, MD 20765

was personally present and did see Benjamin Funk execute the above assignment on the 6th day of September, 2018, and such assignor is personally known to me to be the person described in such document.


Signature of Witness

ASSIGNMENT

WHEREAS, I, **Daniel Hakim**, residing at **Silver Spring, Maryland**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **101590.000109** (“the invention”), application number **62/679,718**, filed **June 1, 2018**, which is entitled **MAPPING COMPLEX BUILDING MODELS** (“the subject application”).

AND WHEREAS, **TRX SYSTEMS, INC.**, ASSIGNEE, having a place of business at **7500 GREENWAY CENTER DRIVE, SUITE 420, GREENBELT, MARYLAND 20770**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 6 day of September, year of 2018.

Daniel Hakim
Signature - Daniel Hakim

STATEMENT OF WITNESS

SIGNED at Silver Spring MD, USA
(City) (Country)

This 6th day of September, 2018.

I, Frances T. Hakim whose full

residence address is 12602 Taylor Ct.
Silver Spring MD 20904

was personally present and did see Daniel Hakim execute the above assignment on the 6th day of September, 2018, and such assignor is personally known to me to be the person described in such document.

Frances T. Hakim
Signature of Witness

ASSIGNMENT

WHEREAS, I, **John Karvounis**, residing at **Bowie, Maryland**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **101590.000109** ("the invention"), application number **62/679,718**, filed **June 1, 2018**, which is entitled **MAPPING COMPLEX BUILDING MODELS** ("the subject application").

AND WHEREAS, **TRX SYSTEMS, INC.**, ASSIGNEE, having a place of business at **7500 GREENWAY CENTER DRIVE, SUITE 420, GREENBELT, MARYLAND 20770**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

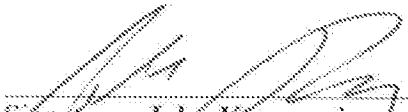
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 11th day of Sept, year of 2018.


Signature - John Karvounis

STATEMENT OF WITNESS

SIGNED at Greenbelt, MD USA

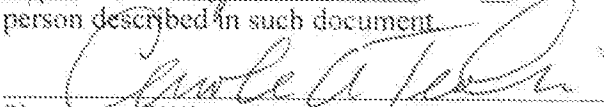
(City) (Country)

This 11th day of September, 2018.

I, Carol Teolis whose full

residence address is 8101 Hollygate Dr
Glenn Dale, MD 20764

was personally present and did see John Karvounis execute the above assignment on the 11th day of September, 2018, and such assignor is personally known to me to be the person described in such document.


Signature of Witness

ASSIGNMENT

WHEREAS, I, **Jared Napora**, residing at **Severn, Maryland**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **101590.000109** ("the invention"), application number **662/679,718**, filed **June 1, 2018**, which is entitled **MAPPING COMPLEX BUILDING MODELS** ("the subject application").

AND WHEREAS, **TRX SYSTEMS, INC.**, ASSIGNEE, having a place of business at **7500 GREENWAY CENTER DRIVE, SUITE 420, GREENBELT, MARYLAND 20770**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

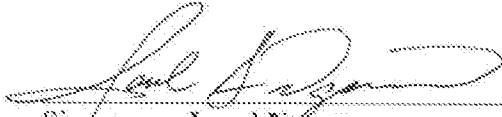
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 6th day of September, year of 2018.


Signature - Jared Napora

STATEMENT OF WITNESS

SIGNED at Greenbelt, MD USA

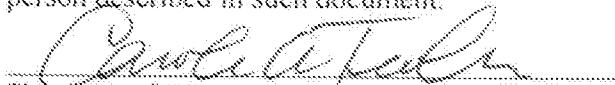
(City) (Country)

This 6th day of September, 2018.

I, Carole Teolin whose full

residence address is 8101 Holygate Dr.
Glenn Dale, MD 20761

was personally present and did see Jared Napora execute the above assignment on the 6th day of September, 2018, and such assignor is personally known to me to be the person described in such document.


Signature of Witness

ASSIGNMENT

WHEREAS, I, Carol Politi, residing at Bethesda, Maryland, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number 101590.000109 ("the invention"), application number 62/679,718, filed June 1, 2018, which is entitled **MAPPING COMPLEX BUILDING MODELS** ("the subject application").

AND WHEREAS, **TRX SYSTEMS, INC.**, ASSIGNEE, having a place of business at **7500 GREENWAY CENTER DRIVE, SUITE 420, GREENBELT, MARYLAND 20770**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

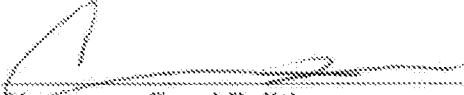
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 11 day of September year of 2018


Signature - Carol Politi

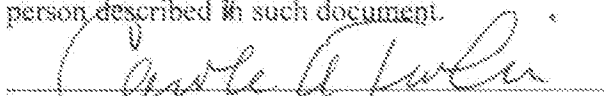
STATEMENT OF WITNESS

SIGNED at Greenbelt, MD USA
(City) (Country)

This 11 day of September, 2018.

I, Carole Traler whose full
residence address is 8101 Hollygate Dr
Glenn Dale, MD 20769

was personally present and did see Carol Politi execute the above assignment on the
11th day of September, 2018, and such assignor is personally known to me to be the
person described in such document.


Signature of Witness

ASSIGNMENT

WHEREAS, I, **Carole Teolis**, residing at **Glendale, Maryland**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **101590.000109** ("the invention"), application number **62/679,718**, filed **June 1, 2018**, which is entitled **MAPPING COMPLEX BUILDING MODELS** ("the subject application").

AND WHEREAS, **TRX SYSTEMS, INC.**, ASSIGNEE, having a place of business at **7500 GREENWAY CENTER DRIVE, SUITE 420, GREENBELT, MARYLAND 20770**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 6TH day of September, year of 2018.

Carole Teolis
Signature - Carole Teolis

STATEMENT OF WITNESS

SIGNED at Greenbelt MD USA

(City) (Country)

This 6 day of September, 2018.

I, Benjamin Funk whose full residence address is 6778 Hanover Rd Hanover MD 21076

was personally present and did see Carole Teolis execute the above assignment on the 6 day of September, 2018, and such assignor is personally known to me to be the person described in such document.

Benjamin Funk
Signature of Witness

ASSIGNMENT

WHEREAS, I, **Tim Wang**, residing at **Germantown, Maryland**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **101590.000109** ("the invention"), application number **62/679,718**, filed **June 1, 2018**, which is entitled **MAPPING COMPLEX BUILDING MODELS** ("the subject application").

AND WHEREAS, **TRX SYSTEMS, INC.**, ASSIGNEE, having a place of business at **7500 GREENWAY CENTER DRIVE, SUITE 420, GREENBELT, MARYLAND 20770**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 10th day of September, year of 2018.


Signature - Tim Wang

STATEMENT OF WITNESS

SIGNED at Greenbelt, MD USA

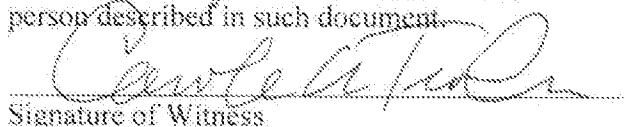
(City) (Country)

This 10th day of September, 2018.

I, Carole Teolis whose full

residence address is 101 Hollygate Dr
Glenn Dale, MD 20769

was personally present and did see Tim Wang execute the above assignment on the 10th day of September, 2018, and such assignor is personally known to me to be the person described in such document.


Signature of Witness

ASSIGNMENT

WHEREAS, I, **Stuart Woodbury**, residing at **Ellicott City, Maryland**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **101590.000109** ("the invention"), application number **62/679,718**, filed **June 1, 2018**, which is entitled **MAPPING COMPLEX BUILDING MODELS** ("the subject application").

AND WHEREAS, **TRX SYSTEMS, INC.**, ASSIGNEE, having a place of business at **7500 GREENWAY CENTER DRIVE, SUITE 420, GREENBELT, MARYLAND 20770**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 6th day of September, year of 2018.

Stuart Woodbury
Signature - Stuart Woodbury

STATEMENT OF WITNESS

SIGNED at Greenbelt, MD USA

(City) (Country)

This 6th day of September, 2018.

I, Carole Teolis whose full

residence address is 8101 Hollygate Drive

Greenbelt, MD 20769

was personally present and did see Stuart Woodbury execute the above assignment on the 6th day of September, 2018, and such assignor is personally known to me to be the person described in such document.

Carole Teolis

Signature of Witness

ASSIGNMENT

WHEREAS, I, Travis Young, residing at Rockville, Maryland, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number 101590.000109 ("the invention"), application number 62/679,718, filed June 1, 2018, which is entitled **MAPPING COMPLEX BUILDING MODELS** ("the subject application").

AND WHEREAS, TRX SYSTEMS, INC., ASSIGNEE, having a place of business at 7500 GREENWAY CENTER DRIVE, SUITE 420, GREENBELT, MARYLAND 20770, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

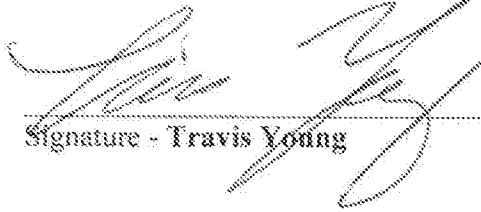
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 6th day of September, year of 2018.


Signature - Travis Young

STATEMENT OF WITNESS

SIGNED at Greenbelt, MD USA

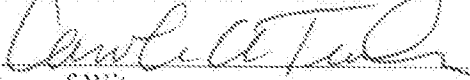
(City) (Country)

This 6th day of September, 2018.

I, Carole Teolis whose full

residence address is 8101 Hollygate Dr
Greenbelt, MD 20769

was personally present and did see Travis Young execute the above assignment on the 6th day of September, 2018, and such assignor is personally known to me to be the person described in such document.


Signature of Witness
