

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4150136

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BABAK TEHRANCHI	11/18/2016
RADE PETROVIC	09/28/2016
JOSEPH M. WINOGRAD	11/02/2016
DEAN ANTHONY ANGELICO	09/28/2016
RECEIVING PARTY DATA	
Name:	VERANCE CORPORATION
Street Address:	10089 WILLOW CREEK RD.
Internal Address:	SUITE 200
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92131
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15012675
CORRESPONDENCE DATA	
Fax Number:	(858)720-5824
<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:	858-720-5700
Email:	patentprocurement@perkinscoie.com
Correspondent Name:	BABAK TEHRANCHI
Address Line 1:	P. O. BOX 1247
Address Line 4:	SEATTLE, WASHINGTON 98111-1247
ATTORNEY DOCKET NUMBER:	077058-8029.US08
NAME OF SUBMITTER:	JULIE WILLIE
SIGNATURE:	/Julie Willie/
DATE SIGNED:	11/18/2016
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 16	

source=USSN15012675_CombinedAssignDec#page1.tif
source=USSN15012675_CombinedAssignDec#page2.tif
source=USSN15012675_CombinedAssignDec#page3.tif
source=USSN15012675_CombinedAssignDec#page4.tif
source=USSN15012675_CombinedAssignDec#page5.tif
source=USSN15012675_CombinedAssignDec#page6.tif
source=USSN15012675_CombinedAssignDec#page7.tif
source=USSN15012675_CombinedAssignDec#page8.tif
source=USSN15012675_CombinedAssignDec#page9.tif
source=USSN15012675_CombinedAssignDec#page10.tif
source=USSN15012675_CombinedAssignDec#page11.tif
source=USSN15012675_CombinedAssignDec#page12.tif
source=USSN15012675_CombinedAssignDec#page13.tif
source=USSN15012675_CombinedAssignDec#page14.tif
source=USSN15012675_CombinedAssignDec#page15.tif
source=USSN15012675_CombinedAssignDec#page16.tif

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Babak Tehranchi et al.

Application No.: 15/012,675

Confirmation No.: 1034

Filed: February 1, 2016

For: SIGNAL CONTINUITY ASSESSMENT USING
EMBEDDED WATERMARKS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**DECLARATION AND ASSIGNMENT BY THE INVENTOR
UNDER RULE 37 C.F.R. § 1.63 EFFECTIVE ON SEPTEMBER 16, 2012**

I, Babak Tehranchi of San Diego, California, hereby declare that:

I believe I am an original joint inventor of a claimed invention in a patent application entitled:

SIGNAL CONTINUITY ASSESSMENT USING EMBEDDED WATERMARKS

the specification of which was filed on February 1, 2016, as Application No. 15/012,675.

I believe the following persons are additional original joint inventors of the above-identified patent application:

Rade Petrovic of San Diego, California; and
Joseph M. Winograd of San Diego, California; and
Dean Anthony Angelico of San Diego, California.

The above-identified application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified patent application including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in the above declaration is punishable under 18 USC §1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

I hereby assign to VERANCE CORPORATION, a corporation of Delaware, having a place of business at 10089 Willow Creek Road, Suite 200, San Diego, California 92131, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in any and all inventions and improvements which are described in an application for United States Patent filed by me, entitled *SIGNAL CONTINUITY ASSESSMENT USING EMBEDDED WATERMARKS*, filed on February 1, 2016, and assigned U.S. Application Number 15/012,675.

This assignment includes the entire right, title and interest in said application, all legal equivalents thereof in any country, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions and improvements, including, but not limited to, all divisions, continuations, reissues, reexamination certificates, any and all certificates issued in any post-grant proceeding, and extensions of said applications and patents of the United States, foreign patents, utility models, and design registrations, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and the right to seek relief and recover all damages, including, but not limited to, a reasonable royalty, by reason of infringement or any other violation of patent or patent application rights. I authorize the Assignee to apply in all countries in my name or in the name of the Assignee for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

In addition, I hereby confirm the sale, assignment, and transfer to the Assignee of the entire right, title and interest throughout the world in said inventions and improvements that occurred by operation of an employment agreement between me and the Assignee existing at the time said inventions and improvements were made. Should I have any remaining interest, I

hereby sell, assign, and transfer any right, title and interest I may have in said inventions and improvements anywhere in the world to the Assignee.

The foregoing assignments, sale and transfer have been made for good and valuable consideration in accordance with the aforementioned employment agreement.

I hereby represent and covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with the assignment of said inventions and improvements to the Assignee.

I further covenant for myself and my respective heirs, legal representatives and assigns, to assist the Assignee in handling various procedures, tasks and documentation in connection with this assignment, including, but not limited to, providing to the Assignee promptly upon the request of the Assignee all pertinent facts and documents relating to said invention and improvements, and said patents, said legal equivalents or other legal instrument as may be known and accessible to me and testifying as to the same in any interference, litigation, or proceeding relating thereto, and promptly executing and delivering to the Assignee or its legal representative any and all papers, documents, instruments or affidavits in connection with obtaining, maintaining, issuing or enforcing said application, said inventions and improvements, and said patents, said equivalents and other legal instrument which may be necessary or desirable to carry out the purposes thereof.

I hereby authorize and request the Commissioner of Patents and Trademarks to issue one or more patents in the United States for said inventions and improvements to Verance Corporation as assignee of the entire interest, for the sole use and benefit of Assignee, its successors and assigns.

Inventors : Babak Tehrani et al.
Appl. No. : 15/012,675
Filed : February 1, 2016
Page : 4 of 4

Docket No. 077058-8029.US08

I am competent to execute the above declaration and assignment. I hereby have duly executed the declaration and assignment below with my name.

Executed this 18th day of November, 2016.



BABAK TEHRANCI

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

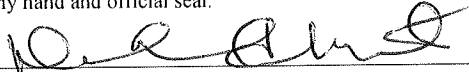
County of San Diego)

On this 18th day of November, 2016, before me, Deborah K. Mart (a notary public in and for said county), personally appeared Babak Tehrani, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

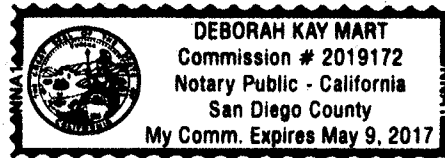
WITNESS my hand and official seal.

Signature



My Commission Expires:

5/9/2017



(Seal)

Perkins Coie LLP
P.O. Box 1247
Seattle, Washington 98111-1247
Telephone: (858) 720-5700
Facsimile: (206) 359-7198

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Babak Tehranchi et al.

Application No.: 15/012,675

Confirmation No.: 1034

Filed: February 1, 2016

For: SIGNAL CONTINUITY ASSESSMENT USING
EMBEDDED WATERMARKS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION AND ASSIGNMENT BY THE INVENTOR
UNDER RULE 37 C.F.R. § 1.63 EFFECTIVE ON SEPTEMBER 16, 2012

I, Rade Petrovic of San Diego, California, hereby declare that:

I believe I am an original joint inventor of a claimed invention in a patent application
entitled:

SIGNAL CONTINUITY ASSESSMENT USING EMBEDDED WATERMARKS

the specification of which was filed on February 1, 2016, as Application No. 15/012,675.

I believe the following persons are additional original joint inventors of the above-
identified patent application:

Babak Tehranchi of San Diego, California; and
Joseph M. Winograd of San Diego, California; and
Dean Anthony Angelico of San Diego, California

The above-identified application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified patent application
including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all
information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in the above declaration is punishable under 18 USC §1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

I hereby assign to VERANCE CORPORATION, a corporation of Delaware, having a place of business at 10089 Willow Creek Road, Suite 200, San Diego, California 92131, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in any and all inventions and improvements which are described in an application for United States Patent filed by me, entitled *SIGNAL CONTINUITY ASSESSMENT USING EMBEDDED WATERMARKS*, filed on February 1, 2016, and assigned U.S. Application Number 15/012,675.

This assignment includes the entire right, title and interest in said application, all legal equivalents thereof in any country, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions and improvements, including, but not limited to, all divisions, continuations, reissues, reexamination certificates, any and all certificates issued in any post-grant proceeding, and extensions of said applications and patents of the United States, foreign patents, utility models, and design registrations, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and the right to seek relief and recover all damages, including, but not limited to, a reasonable royalty, by reason of infringement or any other violation of patent or patent application rights. I authorize the Assignee to apply in all countries in my name or in the name of the Assignee for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

In addition, I hereby confirm the sale, assignment, and transfer to the Assignee of the entire right, title and interest throughout the world in said inventions and improvements that occurred by operation of an employment agreement between me and the Assignee existing at the time said inventions and improvements were made. Should I have any remaining interest, I

hereby sell, assign, and transfer any right, title and interest I may have in said inventions and improvements anywhere in the world to the Assignee.

The foregoing assignments, sale and transfer have been made for good and valuable consideration in accordance with the aforementioned employment agreement.

I hereby represent and covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with the assignment of said inventions and improvements to the Assignee.

I further covenant for myself and my respective heirs, legal representatives and assigns, to assist the Assignee in handling various procedures, tasks and documentation in connection with this assignment, including, but not limited to, providing to the Assignee promptly upon the request of the Assignee all pertinent facts and documents relating to said invention and improvements, and said patents, said legal equivalents or other legal instrument as may be known and accessible to me and testifying as to the same in any interference, litigation, or proceeding relating thereto, and promptly executing and delivering to the Assignee or its legal representative any and all papers, documents, instruments or affidavits in connection with obtaining, maintaining, issuing or enforcing said application, said inventions and improvements, and said patents, said equivalents and other legal instrument which may be necessary or desirable to carry out the purposes thereof.

I hereby authorize and request the Commissioner of Patents and Trademarks to issue one or more patents in the United States for said inventions and improvements to Verance Corporation as assignee of the entire interest, for the sole use and benefit of Assignee, its successors and assigns.

Inventors : Babak Tehrani et al.
Appl. No. : 15/012,675
Filed : February 1, 2016
Page : 4 of 4

Docket No. 077058-8029.US08

I am competent to execute the above declaration and assignment. I hereby have duly executed the declaration and assignment below with my name.

Executed this 28 day of Sept., 2016.

Rade Petrovic
RADE PETROVIC

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of San Diego)

On this 28th day of September, 2016, before me, Kimberly H. Bruce (a notary public in and for said county), personally appeared Rade Petrovic, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

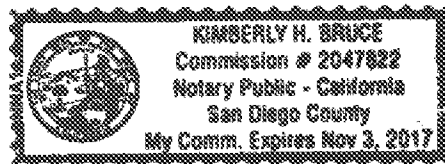
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Kimberly Bruce

My Commission Expires: 11-3-17

(Seal)



Perkins Coie LLP
P.O. Box 1247
Seattle, Washington 98111-1247
Telephone: (858) 720-5700
Facsimile: (206) 359-7198

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Babak Tehrani et al.

Application No.: 15/012,675

Confirmation No.: 1034

Filed: February 1, 2016

For: SIGNAL CONTINUITY ASSESSMENT USING
EMBEDDED WATERMARKS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION AND ASSIGNMENT BY THE INVENTOR
UNDER RULE 37 C.F.R. § 1.63 EFFECTIVE ON SEPTEMBER 16, 2012

I, Joseph M. Winograd of San Diego, California, hereby declare that:

I believe I am an original joint inventor of a claimed invention in a patent application
entitled:

SIGNAL CONTINUITY ASSESSMENT USING EMBEDDED WATERMARKS

the specification of which was filed on February 1, 2016, as Application No. 15/012,675.

I believe the following persons are additional original joint inventors of the above-
identified patent application:

Babak Tehrani of San Diego, California; and
Rade Petrovic of San Diego, California; and
Dean Anthony Angelico of San Diego, California.

The above-identified application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified patent application
including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all
information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in the above declaration is punishable under 18 USC §1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

I hereby assign to VERANCE CORPORATION, a corporation of Delaware, having a place of business at 10089 Willow Creek Road, Suite 200, San Diego, California 92131, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in any and all inventions and improvements which are described in an application for United States Patent filed by me, entitled *SIGNAL CONTINUITY ASSESSMENT USING EMBEDDED WATERMARKS*, filed on February 1, 2016, and assigned U.S. Application Number 15/012,675.

This assignment includes the entire right, title and interest in said application, all legal equivalents thereof in any country, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions and improvements, including, but not limited to, all divisions, continuations, reissues, reexamination certificates, any and all certificates issued in any post-grant proceeding, and extensions of said applications and patents of the United States, foreign patents, utility models, and design registrations, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and the right to seek relief and recover all damages, including, but not limited to, a reasonable royalty, by reason of infringement or any other violation of patent or patent application rights. I authorize the Assignee to apply in all countries in my name or in the name of the Assignee for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

In addition, I hereby confirm the sale, assignment, and transfer to the Assignee of the entire right, title and interest throughout the world in said inventions and improvements that occurred by operation of an employment agreement between me and the Assignee existing at the time said inventions and improvements were made. Should I have any remaining interest, I

hereby sell, assign, and transfer any right, title and interest I may have in said inventions and improvements anywhere in the world to the Assignee.

The foregoing assignments, sale and transfer have been made for good and valuable consideration in accordance with the aforementioned employment agreement.

I hereby represent and covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with the assignment of said inventions and improvements to the Assignee.

I further covenant for myself and my respective heirs, legal representatives and assigns, to assist the Assignee in handling various procedures, tasks and documentation in connection with this assignment, including, but not limited to, providing to the Assignee promptly upon the request of the Assignee all pertinent facts and documents relating to said invention and improvements, and said patents, said legal equivalents or other legal instrument as may be known and accessible to me and testifying as to the same in any interference, litigation, or proceeding relating thereto, and promptly executing and delivering to the Assignee or its legal representative any and all papers, documents, instruments or affidavits in connection with obtaining, maintaining, issuing or enforcing said application, said inventions and improvements, and said patents, said equivalents and other legal instrument which may be necessary or desirable to carry out the purposes thereof.

I hereby authorize and request the Commissioner of Patents and Trademarks to issue one or more patents in the United States for said inventions and improvements to Verance Corporation as assignee of the entire interest, for the sole use and benefit of Assignee, its successors and assigns.

Inventors : Babak Tehrani et al.
Appl. No. : 15/012,675
Filed : February 1, 2016
Page : 4 of 4

Docket No. 077058-8029.US08

I am competent to execute the above declaration and assignment. I hereby have duly executed the declaration and assignment below with my name.

Executed this 2nd day of November, 2016.



JOSEPH M. WINOGRAD

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of San Diego)

On this 2nd day of November, 2016 before me, Kimberly H. Bruce (a notary public in and for said county), personally appeared Joseph M. Winograd, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

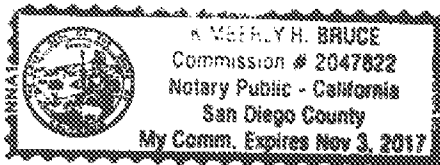
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Kimberly Bruce

My Commission Expires: 11-3-17

(Seal)



Perkins Coie LLP
P.O. Box 1247
Seattle, Washington 98111-1247
Telephone: (858) 720-5700
Facsimile: (206) 359-7198

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Babak Tehranchi et al.

Application No.: 15/012,675

Confirmation No.: 1034

Filed: February 1, 2016

For: SIGNAL CONTINUITY ASSESSMENT USING
EMBEDDED WATERMARKS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION AND ASSIGNMENT BY THE INVENTOR
UNDER RULE 37 C.F.R. § 1.63 EFFECTIVE ON SEPTEMBER 16, 2012

I, Dean Anthony Angelico of San Diego, California, hereby declare that:

I believe I am an original joint inventor of a claimed invention in a patent application entitled:

SIGNAL CONTINUITY ASSESSMENT USING EMBEDDED WATERMARKS

the specification of which was filed on February 1, 2016, as Application No. 15/012,675.

I believe the following persons are additional original joint inventors of the above-identified patent application:

Babak Tehranchi of San Diego, California; and
Rade Petrovic of San Diego, California; and
Joseph M. Winograd of San Diego, California.

The above-identified application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified patent application including the claims.

I am aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in the above declaration is punishable under 18 USC §1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

I hereby assign to VERANCE CORPORATION, a corporation of Delaware, having a place of business at 10089 Willow Creek Road, Suite 200, San Diego, California 92131, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in any and all inventions and improvements which are described in an application for United States Patent filed by me, entitled *SIGNAL CONTINUITY ASSESSMENT USING EMBEDDED WATERMARKS*, filed on February 1, 2016, and assigned U.S. Application Number 15/012,675.

This assignment includes the entire right, title and interest in said application, all legal equivalents thereof in any country, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions and improvements, including, but not limited to, all divisions, continuations, reissues, reexamination certificates, any and all certificates issued in any post-grant proceeding, and extensions of said applications and patents of the United States, foreign patents, utility models, and design registrations, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes, and the right to seek relief and recover all damages, including, but not limited to, a reasonable royalty, by reason of infringement or any other violation of patent or patent application rights. I authorize the Assignee to apply in all countries in my name or in the name of the Assignee for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

In addition, I hereby confirm the sale, assignment, and transfer to the Assignee of the entire right, title and interest throughout the world in said inventions and improvements that occurred by operation of an employment agreement between me and the Assignee existing at the time said inventions and improvements were made. Should I have any remaining interest, I

hereby sell, assign, and transfer any right, title and interest I may have in said inventions and improvements anywhere in the world to the Assignee.

The foregoing assignments, sale and transfer have been made for good and valuable consideration in accordance with the aforementioned employment agreement.

I hereby represent and covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into that would conflict with the assignment of said inventions and improvements to the Assignee.

I further covenant for myself and my respective heirs, legal representatives and assigns, to assist the Assignee in handling various procedures, tasks and documentation in connection with this assignment, including, but not limited to, providing to the Assignee promptly upon the request of the Assignee all pertinent facts and documents relating to said invention and improvements, and said patents, said legal equivalents or other legal instrument as may be known and accessible to me and testifying as to the same in any interference, litigation, or proceeding relating thereto, and promptly executing and delivering to the Assignee or its legal representative any and all papers, documents, instruments or affidavits in connection with obtaining, maintaining, issuing or enforcing said application, said inventions and improvements, and said patents, said equivalents and other legal instrument which may be necessary or desirable to carry out the purposes thereof.

I hereby authorize and request the Commissioner of Patents and Trademarks to issue one or more patents in the United States for said inventions and improvements to Verance Corporation as assignee of the entire interest, for the sole use and benefit of Assignee, its successors and assigns.

I am competent to execute the above declaration and assignment. I hereby have duly executed the declaration and assignment below with my name.

Executed this 28th day of SEPTEMBER, 2016.

Dean Anthony Angelico
DEAN ANTHONY ANGELICO

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of San Diego)

On this 28th day of September, 2016, before me, Kimberly H. Bruce (a notary public in and for said county), personally appeared Dean Anthony Angelico, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

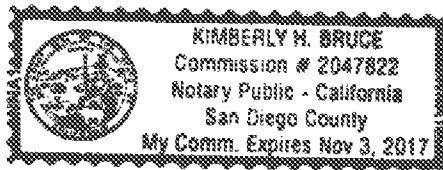
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

Signature Kimberly Bruce

My Commission Expires: 11-3-17

(Seal)



Perkins Coie LLP
P.O. Box 1247
Seattle, Washington 98111-1247
Telephone: (858) 720-5700
Facsimile: (206) 359-7198