### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4988553

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JOSEPH M. WINOGRAD	04/05/2018
RADE PETROVIC	04/05/2018
JIAN ZHAO	04/05/2018

#### **RECEIVING PARTY DATA**

Name:	VERANCE CORPORATION
Street Address:	10089 WILLOW CREEK ROAD
Internal Address:	SUITE 200
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92131

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15464237

#### **CORRESPONDENCE DATA**

Fax Number:

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.

Email: mbright@perkinscoie.com
Correspondent Name: BABAK TEHRANCHI
Address Line 1: PERKINS COIE LLP
Address Line 2: P.O. BOX 1247

Address Line 4: SEATTLE, WASHINGTON 98111-1247

ATTORNEY DOCKET NUMBER:	077058-8065.US191	
NAME OF SUBMITTER:	MEGHAN BRIGHT	
SIGNATURE:	/Meghan Bright/	
DATE SIGNED:	06/01/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

**Total Attachments: 12** 

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#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Joseph M. Winograd et al.

Application No.: 15/464,237 Confirmation No.: 8179

Filed: March 20, 2017

For: SERVICE SIGNALING RECOVERY FOR MULTIMEDIA CONTENT 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 the sole original inventor or an original joint inventor of a claimed invention in a patent application entitled:

### SERVICE SIGNALING RECOVERY FOR MULTIMEDIA CONTENT USING EMBEDDED WATERMARKS

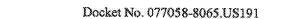
the specification of which was filed on March 20, 2017, as Application No. 15/464,237, and identified as Attorney Docket No. 077058-8065.US191.

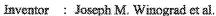
I believe the following persons are additional original joint inventors of the aboveidentified patent application:

Rade Petrovic of San Diego, California; and Jian Zhao 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.





Appl. No.: 15/464,237 Filed: March 20, 2017

Page : 2 of 4

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 <u>VERANCE CORPORATION</u>, 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 *SERVICE SIGNALING RECOVERY FOR MULTIMEDIA CONTENT USING EMBEDDED WATERMARKS*, filed on March 20, 2017, and assigned U.S. Application Number 15/464,237.

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

Inventor : Joseph M. Winograd et al. Docket No. 077058-8065.US191

Appl. No.: 15/464,237 Filed: March 20, 2017

Page : 3 of 4

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 <a href="Verance Corporation">Verance Corporation</a> as assignee of the entire interest, for the sole use and benefit of Assignee, its successors and assigns.

Inventor: Joseph M. Winograd et al. Docket No. 077058-8065.US191

Appl. No.: 15/464,237 Filed: March 20, 2017

Page: 4 of 4

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 5th day of 1201, 2018

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 Sex Diego

On this 2 day of 1909 20 6, before me, 1909 20 6 before me, 1909 20 6 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 PERIURY 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:

(Seal)

KIMBERLY M. BRUCE
Notary Public -- California
San Diego County
Commission # 2217942
My Comm. Expires Nov 3, 2021

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: Joseph M. Winograd et al.

Application No.: 15/464,237

Confirmation No.: 8179

Filed: March 20, 2017

For: SERVICE SIGNALING RECOVERY FOR MULTIMEDIA CONTENT 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 the sole original inventor or an original joint inventor of a claimed invention in a patent application entitled:

# SERVICE SIGNALING RECOVERY FOR MULTIMEDIA CONTENT USING EMBEDDED WATERMARKS

the specification of which was filed on March 20, 2017, as Application No. 15/464,237, and identified as Attorney Docket No. 077058-8065.US191.

I believe the following persons are additional original joint inventors of the aboveidentified patent application:

<u>Joseph M. Winograd</u> of <u>San Diego</u>, <u>California</u>; and <u>Jian Zhao</u> of <u>San Diego</u>, <u>California</u>.

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.

Inventor: Joseph M. Winograd et al. Docket No. 077058-8065.US191

Appl. No.: 15/464,237 Filed: March 20, 2017

Page : 2 of 4

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 <u>VERANCE CORPORATION</u>, 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 SERVICE SIGNALING RECOVERY FOR MULTIMEDIA CONTENT USING EMBEDDED WATERMARKS, filed on March 20, 2017, and assigned U.S. Application Number 15/464,237.

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

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Inventor: Joseph M. Winograd et al. Docket No. 077058-8065.US191

Appl. No.: 15/464,237 Filed: March 20, 2017

Page : 3 of 4

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 <a href="Verance Corporation">Verance Corporation</a> as assignee of the entire interest, for the sole use and benefit of Assignee, its successors and assigns.

Inventor: Joseph M. Winograd et al. Docket No. 077058-8065.US191

Appl. No.: 15/464,237 Filed: March 20, 2017

Page: 4 of 4

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

Lale /Etrovic 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 Jakovynia

County of San Diego

On this day of 1984, 20 6 before me, 1984 10 5 400 (a notary public in any 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 band and official seal.

•

My Commission Expires:

(Seal)

KIMBERLY H. BRUCE Notary Public – California Sen Diego County Commission # 2217942 My Comm. Expires Nov 3, 2021

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

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Application No.: 15/464,237 Confirmation No.: 8179

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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, Jian Zhao of San Diego, California, hereby declare that:

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

# SERVICE SIGNALING RECOVERY FOR MULTIMEDIA CONTENT USING EMBEDDED WATERMARKS

the specification of which was filed on March 20, 2017, as Application No. 15/464,237, and identified as Attorney Docket No. 077058-8065.US191.

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<u>Joseph M. Winograd</u> of <u>San Diego, California;</u> and <u>Rade Petrovic</u> of <u>San Diego, California.</u>

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Inventor : Joseph M. Winograd et al. Docket No. 077058-8065.US191

Appl. No.: 15/464,237 Filed: March 20, 2017

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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.

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Inventor : Joseph M. Winograd et al. Docket No. 077058-8065,US191

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Inventor: Joseph M. Winograd et al.

Appl. No.: 15/464,237 Filed: March 20, 2017

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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 5th day of for 1, 20 8.

JIAN ZHAO

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State of <u>California</u> )
County of San Diego )

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,

My Commission Expires:

(Seal)

Notary Public - California San Diego County Commission & 2217942 My Comm. Expires Nov 3, 2021

KIMBERLY H. BRUCE

Perkins Coie LLP P.O. Box 1247

RECORDED: 06/01/2018

Seattle, Washington 98111-1247

Telephone: (858) 720-5700 Facsimile: (206) 359-7198

> PATENT REEL: 045966 FRAME: 0126

Docket No. 077058-8065.US191