504103584 11/18/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4150253

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RADE PETROVIC	09/28/2016
JIAN ZHAO	11/02/2016
JOSEPH M. WINOGRAD	11/02/2016

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:	14830641

CORRESPONDENCE DATA

Fax Number: (858)720-5824

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.

Phone: 858-720-5700

Email: patentprocurement@perkinscoie.com

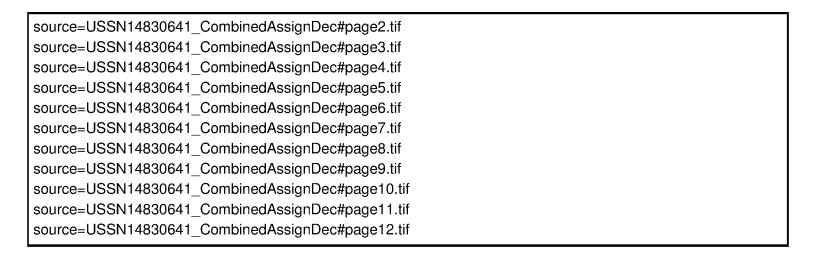
Correspondent Name: BABAK TEHRANCHI Address Line 1: P. O. BOX 1247

Address Line 4: SEATTLE, WASHINGTON 98111-1247

ATTORNEY DOCKET NUMBER:	077058-8065.US14
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: 12

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Rade Petrovic et al.	
Application No.: 14/830,641	Confirmation No.: 1077
Filed: August 19, 2015	
For: WATERMARK DETECTION USING A MULTIPLICITY OF PREDICTED PATTERNS	
Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
<u>DECLARATION AND ASSIGNMENT</u> <u>UNDER RULE 37 C.F.R. § 1.63 EFFECTIVI</u>	
I, Rade Petrovic, hereby declare that:	
I believe I am an original joint inventor of a claim	ed invention in a patent application
entitled:	
WATERMARK DETECTION USING A MULTIPLI	CITY OF PREDICTED PATTERNS
the specification of which was filed on August 19, 2015,	as Application No. 14/830,641, and
identified as Attorney Docket No. 077058-8065.US14.	
I believe the following persons are additional origidentified patent application:	inal joint inventors of the above-
Jian Zhao of San Diego, Calif	omia, United States of America; and
Joseph M. Winograd of San Diego, Calif	
The above-identified application was made or auth	norized 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. Pater	nt and Trademark Office all
information known to me to be material to patentability as	defined in 37 CFR §1.56.

77058-8065.US14/129612141.1

Inventors : Rade Petrovic et al. Docket No. 077058-8065.US14

Appl. No. : 14/830,641 Filed : August 19, 2015

Page : 2 of 4

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 4435 Eastgate Mall, Suite 200, San Diego, California 92121, 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 *WATERMARK DETECTION USING A MULTIPLICITY OF PREDICTED PATTERNS*, filed on <u>August 19, 2015</u>, and assigned U.S. Patent Application Number <u>14/830,641</u>.

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 filling 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

77058-8065.US14/129612141.1
PATENT
REEL: 040371 FRAME: 0596

Inventors : Rade Petrovic et al. Docket No. 077058-8065 US14

Appl. No.: 14/830,641 Filed: August 19, 2015

Page : 3 of 4

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.

77058-8065.US14/129612141.1

Inventors: Rade Petrovic et al.

Appl. No.: 14/830,641 Filed : August 19, 2015

Page : 40[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 28 day of 59/6. , 20/6.

Docket No. 077058-8065.US14

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 Sam Dilly County 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 sea

My Commission Expires: 11-3

(Seal)

KIMBERLY H. BRUCE Commission # 2047822 Notary Public - California San Diego County My Comm. Expires Nov 3, 2017

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: Rade Petrovic et al.	
Application No.: 14/830,641	Confirmation No.: 1077
Filed: August 19, 2015	
For: WATERMARK DETECTION USING A MULTIPLICITY OF PREDICTED PATTERNS	
Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
<u>DECLARATION AND ASSIGNM</u> <u>UNDER RULE 37 C.F.R. § 1.63 EFFEC</u>	
I, <u>Jian Zhao</u> , hereby declare that:	
I believe I am an original joint inventor of a centitled:	laimed invention in a patent application
WATERMARK DETECTION USING A MULT	IPLICITY OF PREDICTED PATTERNS

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

identified as Attorney Docket No. 077058-8065.US14.

the specification of which was filed on August 19, 2015, as Application No. 14/830,641, and

Rade Petrovic	of San Diego.	California,	United	States	of America;	and
Joseph M. Winograd	of San Diego,	California,	United	States	of America.	

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.

77058-8065.US14/129611984.1

Inventors: Rade Petrovic et al. Docket No. 077058-8065,US14

Appl. No. : 14/830,641 Filed : August 19, 2015

Page : 2 of 4

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 4435 Eastgate Mall, Suite 200, San Diego, California 92121, 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 *WATERMARK DETECTION USING A MULTIPLICITY OF PREDICTED PATTERNS*, filed on <u>August 19, 2015</u>, and assigned U.S. Patent Application Number <u>14/830,641</u>.

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

Inventors: Rade Petrovic et al. Docket No. 077058-8065.US14

Appl. No.: 14/830,641 Filed: August 19, 2015

Page : 3 of 4

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 : Rade Petrovic et al.

Appl. No.: 14/830,641 Filed: August 19, 2015

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 3 day of NOVLWW, 20/6.

JIAN ZHAO

Docket No. 077058-8065.US14

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

County of San

On this 20 day of November , 20 6 before me. King A - Green 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 expacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person seted, executed the instrument.

I certify under PENALTY OF PERFURY 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:

(Scal)

KIMBERLY H. BRUCE Commission # 2047822 Notary Public - California

San Diago County My Comm. Expires Nov 3, 2017

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: Rade Petrovic et al.	
Application No.: 14/830,641	Confirmation No.: 1077
Filed: August 19, 2015	
For: WATERMARK DETECTION USING A MULTIPLICITY OF PREDICTED PATTERNS	
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, hereby declare that:

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

WATERMARK DETECTION USING A MULTIPLICITY OF PREDICTED PATTERNS

the specification of which was filed on August 19, 2015, as Application No. 14/830,641, and identified as Attorney Docket No. 077058-8065.US14.

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

Rade Petrovic	of <u>San</u>	Diego,	California,	United	States	of America;	and
Jian Zhao	of <u>San</u>	Diego,	California,	United	States	of America.	

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.

Inventors: Rade Petrovic et al. Docket No. 077058-6065 US14

Appl. No.: 14/830,641 Filed: August 19, 2015

Page : 2 of 4

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 4435 Eastgate Mall, Suite 200, San Diego, California 92121, 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 *WATERMARK DETECTION USING A MULTIPLICITY OF PREDICTED PATTERNS*, filed on <u>August 19, 2015</u>, and assigned U.S. Patent Application Number <u>14/830.641</u>.

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 filling 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

Inventors Rade Petrovic et al. Docket No. 077058-8065.US14

Appl. No.: 14/830,641 Filed: August 19, 2015

Page : 3 of 4

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.

77058-8065.US14/129611956.1

Inventors : Rade Petrovic et al.

Appl. No.: 14/830,641 Filed: August 19, 2015

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 2 day of November, 20 16.

JOŠEPŘ M. WINOGRAD

Docket No. 077058-8065.US14

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 (alifornia)

On this Aday of Vovewww, 20 10, before me, World H. Erwel (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 autity 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 sea

Signature

My Commission Expires:

(Sest)

KIMBERLY H. BRUCE Commission # 2047822 Notary Public - California San Diego County My Comm. Expires Nov 3, 2017

Perkins Coie LLP P.O. Box 1247

Seattle, Washington 98111-1247

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

77058-8065.US14/129611956.1

RECORDED: 11/18/2016