

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5888269

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SUNG-HOON JUNG	10/08/2019
NILOY MUKHERJEE	10/08/2019
YOSHIKAZU OKUYAMA	10/09/2019
NARIMAN NAGHIBOLASHRAFI	10/09/2019
BUNSEN B NIE	10/09/2019
HAE YOUNG KIM	10/08/2019
SOMILKUMAR J RATHI	10/08/2019
RECEIVING PARTY DATA	
Name:	EUGENUS, INC.
Street Address:	677 RIVER OAKS PARKWAY
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16595945
CORRESPONDENCE DATA	
Fax Number:	(949)760-9502
<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:	9497600404
Email:	efiling@knobbe.com
Correspondent Name:	KNOBBE, MARTENS, OLSON & BEAR, LLP
Address Line 1:	2040 MAIN ST., 14TH FL.
Address Line 4:	IRVINE, CALIFORNIA 92614
ATTORNEY DOCKET NUMBER:	EUGEN.042A
NAME OF SUBMITTER:	KYU S. MIN
SIGNATURE:	/Kyu Min/
DATE SIGNED:	12/30/2019

Total Attachments: 9

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COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: EUGEN.042A

Page 1 of 9

Title: CONFORMAL AND SMOOTH TITANIUM NITRIDE LAYERS AND METHODS OF FORMING THE SAME

Inventors: Sung-Hoon Jung, Niloy Mukherjee, Yoshikazu Okuyama, Nariman Naghibolashrafi, Bunsen B. Nie, Hae Young Kim, and Somilkumar J. Rathi

Declaration

This Declaration is directed to U.S. or International Application No. **16/595,945**, filed October 8, 2019 and incorporating any amendments made thereto prior to the signature date of this Declaration. As a named inventor, I declare that:

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

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

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

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

Assignment from Inventors

WHEREAS, above-identified inventors (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries related to **CONFORMAL AND SMOOTH TITANIUM NITRIDE LAYERS AND METHODS OF FORMING THE SAME** (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States (identified above) has been filed or prepared for filing with the United States Patent and Trademark Office (hereinafter the "Application"), and ASSIGNOR desires to assign or confirm assignment of the Work and the Application to the below identified Assignee.

AND WHEREAS, **Eugenus, Inc.**, with its principal place of business at **677 River Oaks Parkway, San Jose, California 95134** (hereinafter the "ASSIGNEE"), desires to acquire or confirm ownership of the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred, and set over, and by these presents does hereby sell, assign, transfer, and set over, unto said ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in and to the Application and the Work, including: all provisional applications relating to the Work and the Application; all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the Application, including, all divisions, continuations, continuations-in-part, and reissues, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof; and all rights of priority under international Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals, and reissues thereof.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives, and assigns.

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Title: CONFORMAL AND SMOOTH TITANIUM NITRIDE LAYERS AND METHODS OF FORMING THE SAME

Inventors: Sung-Hoon Jung, Niloy Mukherjee, Yoshikazu Okuyama, Nariman Naghibolashrafi, Bunsen B. Nie, Hae Young Kim, and Somilkumar J. Rathi

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will: communicate to said ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Work; testify in any legal proceeding; assist in the preparation of any other Patent Property relating to the Application and the Work or any improvements made thereto; sign/execute all lawful papers; authorize the filing of, execute, and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications; and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for the Work in all countries.

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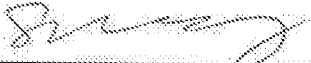
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Title: CONFORMAL AND SMOOTH TITANIUM NITRIDE LAYERS AND METHODS OF FORMING THE SAME

Inventors: Sung-Hoon Jung, Niloy Mukherjee, Yoshikazu Okuyama, Nariman Naghibolashrafi, Bunsen B. Nie, Hae Young Kim, and Somilkumar J. Rathi

Legal Name of Inventor: Jung, Sung-Hoon

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8th day of October, 2019.

Signature: 

Signature before a Notary is desirable but not required.

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 _____

} ss.

On _____, before me, _____, notary public, personally appeared Sung-Hoon Jung who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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.

Notary Signature

[SEAL]

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

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Title: CONFORMAL AND SMOOTH TITANIUM NITRIDE LAYERS AND METHODS OF FORMING THE SAME

Inventors: Sung-Hoon Jung, Niloy Mukherjee, Yoshikazu Okuyama, Nariman Naghibolashrafi, Bunsen B. Nie, Hae Young Kim, and Somilkumar J. Rathi

Legal Name of Inventor: Mukherjee, Niloy

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8th day of OCTOBER, 2019.

Signature: _____

Signature before a Notary is desirable but not required.

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

ss.

COUNTY OF _____

On _____, before me, _____, notary public, personally appeared Niloy Mukherjee who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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.

Notary Signature

[SEAL]

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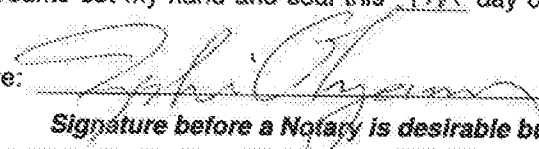
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Title: CONFORMAL AND SMOOTH TITANIUM NITRIDE LAYERS AND METHODS OF FORMING THE SAME

Inventors: Sung-Hoon Jung, Niloy Mukherjee, Yoshikazu Okuyama, Nariman Naghibolashrafi, Bunsen B. Nie, Hae Young Kim, and Somilkumar J. Rathi

Legal Name of Inventor: Okuyama, Yoshikazu

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 9th day of October, 2018.

Signature: 

Signature before a Notary is desirable but not required.

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 _____

} ss.

On _____, before me, _____, notary public, personally appeared Yoshikazu Okuyama who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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.

Notary Signature

[SEAL]

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Title: CONFORMAL AND SMOOTH TITANIUM NITRIDE LAYERS AND METHODS OF FORMING THE SAME

Inventors: Sung-Hoon Jung, Niloy Mukherjee, Yoshikazu Okuyama, Nariman Naghibolashrafi, Bunsen B. Nie, Hae Young Kim, and Somilkumar J. Rathi

Legal Name of Inventor: Naghibolashrafi, Nariman

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 9th day of October, 2019.

Signature: _____

Signature before a Notary is desirable but not required.

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 _____

} ss.

On _____, before me, _____, notary public, personally appeared Nariman Naghibolashrafi who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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.

Notary Signature

[SEAL]

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Title: CONFORMAL AND SMOOTH TITANIUM NITRIDE LAYERS AND METHODS OF FORMING THE SAME

Inventors: Sung-Hoon Jung, Niloy Mukherjee, Yoshikazu Okuyama, Nariman Naghibolashrafi, Bunsen B. Nie, Hae Young Kim, and Somilkumar J. Rathi

Legal Name of Inventor: Nie, Bunsen B.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 9 day of Oct. 2019.

Signature: Bunsen Nie

Signature before a Notary is desirable but not required.

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 _____

} ss.

On _____, before me, _____, notary public, personally appeared Bunsen B. Nie who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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.

Notary Signature

[SEAL]

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Title: CONFORMAL AND SMOOTH TITANIUM NITRIDE LAYERS AND METHODS OF FORMING THE SAME

Inventors: Sung-Hoon Jung, Niloy Mukherjee, Yoshikazu Okuyama, Nariman Naghibolashrafi, Bunsen B. Nie, Hae Young Kim, and Somilkumar J. Rathi

Legal Name of Inventor: Kim, Hae Young

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8th day of OCTOBER, 2019.

Signature: _____

Signature before a Notary is desirable but not required.

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STATE OF CALIFORNIA

COUNTY OF _____

} ss.

On _____, before me, _____, notary public, personally appeared Hae Young Kim who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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.

Notary Signature

[SEAL]

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Inventors: Sung-Hoon Jung, Niloy Mukherjee, Yoshikazu Okuyama, Nariman Naghibolashrafi, Bunsen B. Nie, Hae Young Kim, and Somilkumar J. Rathi

Legal Name of Inventor: Rathi, Somilkumar J.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8th day of October, 2019.

Signature: _____

Signature before a Notary is desirable but not required.

**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 _____

} ss.

On _____, before me, _____, notary public, personally appeared Somilkumar J. Rathi who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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.

Notary Signature

[SEAL]

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