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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
UWE KORTSHAGEN	07/24/2006
ELIJAH J. THIMSEN	07/25/2006
LORENZO MANGOLINI	07/24/2006
AMEYA BAPAT	07/24/2006
DAVID JURBERGS	05/26/2006

RECEIVING PARTY DATA

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Street Address:	200 Oak Street SE
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State/Country:	MINNESOTA
Postal Code:	55455

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	11155340
Patent Number:	8016944

CORRESPONDENCE DATA

Fax Number: (612)626-9624

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: 6126254597

Email: rosen848@umn.edu MOLLY A. ROSEN **Correspondent Name:** 200 OAK STREET SE Address Line 1:

Address Line 2: SUITE 360 MCNAMARA CENTER

Address Line 4: MINNEAPOLIS, MINNESOTA 55455-2006

ATTORNEY DOCKET NUMBER:	Z07107 11155340
NAME OF SUBMITTER:	MOLLY A. ROSEN
SIGNATURE:	/Molly A. Rosen/
DATE SIGNED:	10/30/2014

PAIENI REEL: 034070 FRAME: 0202 503041174

Total Attachments: 6 source=Z07107 11155340 Assignment#page1.tif source=Z07107 11155340 Assignment#page2.tif source=Z07107 11155340 Assignment#page3.tif

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PATENT REEL: 034070 FRAME: 0203

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Regents of the University of Minnesota 450 McNamara Alumni Center 200 Oak Street Southeast Minneapolis, Minnesota 55455-2070

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

PROCESS AND APPARATUS FOR FORMING NANOPARTICLES USING RADIOFREQUENCY PLASMAS

as set forth in this United States Patent Application

check one	[] executed concurrently	herewith,
	[-	executed on	
•	[X	[] Serial No. 11/155,340	Filed 06/17/2005

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Foley & Lardner LLP the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Foley & Lardner LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this $\frac{24}{100}$ day of $\frac{24}{100}$	elv 2006		
Executed this day of 4	, 20_0.	7	•
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, , , , , , , , , , , , , , , , , , ,		UWE KORTS	HAGEN
State of Minnesola			
State of Minnesota)ss.			• •
- 11th			
On this 24th day of July	2006, before me, a nota	ry public in and for said cou	inty, appeared UWE
KORTSHAGEN, who is personally known to me to be the acknowledged that he/she signed, sealed, and delivered the	same person whose name is said instrument as his/her t	s subscribed to the foregoing	g instrument, and he/she
forth.	said modulion as mayner)	ice and voignary act for th	cuses and purposes merent set
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RACHEL A. MUNTEAN	•	(Sollied WAT	atom
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My Commission Expires January 31, 2007			T
(Seal)		My Commission Expires	namany alla
Executed this day of	20		
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		ELIJAH J. THI	MSEN
State of) Ss. County of)		to the second se	
County of)			
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On this day of ? THIMSEN, who is personally known to me to be the same p	20, before me, a notary	y public in and for said cour	ity, appeared ELIJAH J.
acknowledged that he/she signed, sealed, and delivered the	aid instrument as his/her fr	ree and voluntary act for the	uses and purposes therein set
forth.			
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		Nota	ry Public
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Executed this $\frac{24}{100}$ day of $\frac{244}{100}$, 2006	
Executed this $\frac{CY}{CY}$ day of $\frac{14U}{14U}$, $\frac{2006}{CY}$).
	LINE HODBOTT CELL
State of Minnesota	UWE KORTSHAGEN
County of Hennepin)ss.	
2 11 211 W	
On this 24th day of July , 2006, before me, a r	notary public in and for said county, appeared UWE
acknowledged that he/she signed, sealed, and delivered the said instrument as his/forth.	ner free and voluntary act for the uses and purposes therein set
PACHEL A. MUNTEAN	
Notary Public	Daysed Withtelm
Minnesota	Notary Public
My Commission Expires Spherry 31, 2007	T
(Seal)	My Commission Expires: Juniary 31, 200
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Executed this 25th day of July, 2006.	
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State of Missouvi County of Solint Lois)ss.	ELIJAH J. THIMSEN
commune Saint Laic)ss.	
County of Saint Lois	
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on this day or	otary public in and for said county, appeared ELIJAH J.
	otary public in and for said county, appeared ELIJAH J. ubscribed to the foregoing instrument, and he/she
THIMSEN, who is personally known to me to be the same person whose name is su acknowledged that he/she signed, sealed, and delivered the said instrument as his/he forth.	
acknowledged that he/she signed, sealed, and delivered the said instrument as his/he	
acknowledged that he/she signed, sealed, and delivered the said instrument as his/he	abscribed to the foregoing instrument, and he/she er free and voluntary act for the uses and purposes therein set
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acknowledged that he/she signed, sealed, and delivered the said instrument as his/he	er free and voluntary act for the uses and purposes therein set Notary Public
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acknowledged that he/she signed, sealed, and delivered the said instrument as his/he forth. (Seal) DIANE YANCZER	Notary Public
acknowledged that he/she signed, sealed, and delivered the said instrument as his/he forth. (Seal) DIANE YANCZER Notary Public - Notary Seal	Notary Public
acknowledged that he/she signed, sealed, and delivered the said instrument as his/he forth. (Seal) DIANE YANCZER Notary Public - Notary Seal STATE OF MISSOURI	Notary Public
acknowledged that he/she signed, sealed, and delivered the said instrument as his/he forth. (Seal) DIANE YANCZER Notary Public - Notary Seal	Notary Public

Executed this $\frac{24}{4}$ day of $\frac{502}{3006}$, $\frac{2006}{300}$
Long Ph
State of MINNESOTA LORENZO MADGOLINI
County of HENNEPIN)ss.
On this Hand day of Hand day o
RACHEL A. MUNTEAN Notary Public Mirrnesota My Commission Expires January 31, 2007
(Seal) My Commission Expires January 31, 200
Executed this 24 day of 300 , 2006
State of MINN ESOTA AMEYABAPAT
County of HENNEPIN)ss.
On this day of day of 20 Obefore me, a notary public in and for said county, appeared AMEYA BAPAT, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.
RACHEL A. MUNTEAN Notary Public Notary Public
My Commission Expires January 31, 2007 My Commission Expires: January 31, 2007 My Commission Expires: January 31, 2007

Executed this 26 da	ay of May, 2006.
	DAVIDJURBERGE DAVIDJURBERGE
State of Texos	DAVIIJURBERG
County of Trouis)ss. _)
On this Att day of Most JURBERGS, who is personally known to macknowledged that he/she signed, sealed, as forth.	, 20 , before me, a notary public in and for said county, appeared DAVID to to be the same person whose name is subscribed to the foregoing instrument, and he/she and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set
ERIC R. CHAPA MY COMMISSION EXPIRES March 3, 2010	Notary Public
(Seal)	My Commission Expires: Moreh 7, Lolo