### PATENT ASSIGNMENT

## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEY	YANCE:	ASSIGNMENT	
CONVEYING PARTY DATA			
		Name	xecution Date
Adam J. Rondinone		06/2	6/2009
Lonnie J. Love		06/0	1/2009
Tommy J. Phelps		06/0	1/2009
RECEIVING PARTY D	ATA		
Name:	UT-Battelle, LL	C	
Street Address:	One Bethel Va	lley Road	
Internal Address:	4500N, MS-62	58	
City:	Oak Ridge		
State/Country:	TENNESSEE		
Postal Code:	Postal Code: 37831-6258		
PROPERTY NUMBERS Total: 1			
PROPERTY NUMBER	RS Total: 1		20214
PROPERTY NUMBER		Number	12357523
	/pe	Number 2357523	
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Total Attachments: 5
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Form **PTO-1595** (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008)

I

RECORDATION FORM COVER SHEET PATENTS ONLY			
	se record the attached documents or the new address(es) below.		
<b>1. Name of conveying party(ies)</b> Adam J. Rondinone Lonnie J. Love Tommy J. Phelps	2. Name and address of receiving party(ies) Name: UT-Battelle, LLC Internal Address: 4500N, MS-6258		
Additional name(s) of conveying party(ies) attached? Yes V No 3. Nature of conveyance/Execution Date(s): Execution Date(s) <u>06/26/2009</u> V Assignment Interest Assignment Government Interest Assignment Executive Order 9424, Confirmatory License Other			
	document is being filed together with a new application. B. Patent No.(s)		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1		
Name: Edna I. Gergel	7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00		
Internal Address: UT-Battelle, LLC	Authorized to be charged by credit card  Authorized to be charged to deposit account		
Street Address: One Bethel Valley Road 4500N, MS-6258	Enclosed None required (government interest not affecting title)		
City: Oak Ridge	8. Payment Information		
State: TN Zip: <u>37831-6258</u>	a. Credit Card Last 4 Numbers Expiration Date		
Phone Number: <u>(865) 574-0393</u>	b. Deposit Account Number 13-1958		
Fax Number: (865) 574-0381	Authorized User Name Joseph A. Marasco		
Email Address: gergelei@ornl.gov			
9. Signature: /Edna I. Gergel/ Signature Edna I. Gergel, Reg. No. 50819 Name of Person Signing	06/30/2009         Date         Total number of pages including cover sheet, attachments, and documents:		
Documents to be recorded (including cover she	et) should be faxed to (571) 273-0140, or mailed to: of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450 DATENIT		

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#### ASSIGNMENT

WHEREAS, we the below-named inventors whose residences and post office are as stated below, have invented certain new and useful improvements in

#### Microbial-Mediated Method for Metal Oxide Nanoparticle Formation

(hereinafter referred to as "Subject Invention") for which an application for United States Letters Patent was executed by us on even date herewith, and

WHEREAS, UT-BATTELLE, LLC, a limited liability company of the State of Tennessee, having an office at One Bethel Valley Road, P. O. Box 2008, Oak Ridge, Tennessee 37831-6258, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest of the undersigned in the Subject Invention and to any Letters Patent that may be granted therefor in the United States of America and in any and all foreign countries.

NOW, THEREFORE, in accordance with the terms of our employment agreement with ASSIGNEE and for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign to ASSIGNEE our entire right, title and interest in the Subject Invention to all rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the Subject Invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefor on the Subject Invention.

We hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of said Letters Patent, when granted, to the ASSIGNEE.

Further, we hereby agree to communicate to said ASSIGNEE or its representatives any facts known to us respecting said Subject Invention, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said Subject Invention in the United States of America and in any and all foreign countries.

We further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on us, our heirs, legal representatives, and assigns.

1

Full name of inventor:	Adam J. Rondinone			
Signature:	- philo	Date:	June	26, 2009
Residence:	801 15 <sup>th</sup> St. S Apt 1603, Arling	ton, Virgi	nia 22202	
Post Office Address:	801 15 <sup>th</sup> St. S Apt 1603, Arling	ton, Virgi	nia 22202	
State of Tennessee County of	) _ )			

On this  $26^{1/1}$  day of  $50^{1/2}$ , 2009, before me, a Notary Public in and for the County and State aforesaid, appeared Adam J. Rondinone to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

Cleanne Decken

SEAL

My Commission Expires:

# NOTARY PUBLIC DISTRICT OF COLUMBIA

MY COMMISSION EXPIRES MAY 31, 2014

2

Full name of inve	entor: /	Lonnie T.Love	
Signature:		D	vate: 6/1/2009
	Ý		
Residence:	/	13036 Lady Slipper Lane, Knoxvil	le, Tennessee 37934

Post Office Address: 13036 Lady Slipper Lane, Knoxville, Tennessee 37934

State of Tennessee County of Roane )

On this 1th day of JUNE, 2009, before me, a Notary Public in and for the County and State aforesaid, appeared LONNIE J. LOVE to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.



). Sundder Notary Public

My Commission Expires:

My Commission Expires Thursday, August 14, 2012.

Full name of inventor;	Tommy J. Phelps		
Signature:	mA FWpb	Date:	Ine 1, 2007
Residence:	2708 Pine Hill Drive, Knoxville	e, Tennes	ssee 37932

Post Office Address: 2708 Pine Hill Drive, Knoxville, Tennessee 37932

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State of Ter	
County of	Rogne
	51.

On this  $\frac{1}{52}$  day of 500, 2009, before me, a Notary Public in and for the County and State aforesaid, appeared **TOMMY J. PHELPS** to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.



rv Public Notary Public

SEAL

My Commission Expires:

My Commission Expires Thursday, August 14, 2012.

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**RECORDED: 06/30/2009**