

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Catherine J. Murphy</td> <td>10/08/2012</td> </tr> <tr> <td>Samuel E. Lohse</td> <td>10/08/2012</td> </tr> <tr> <td>Jonathan R. Eller</td> <td>10/09/2012</td> </tr> </tbody> </table>		Name	Execution Date	Catherine J. Murphy	10/08/2012	Samuel E. Lohse	10/08/2012	Jonathan R. Eller	10/09/2012
Name	Execution Date								
Catherine J. Murphy	10/08/2012								
Samuel E. Lohse	10/08/2012								
Jonathan R. Eller	10/09/2012								
RECEIVING PARTY DATA									
Name:	The Board of Trustees of the University of Illinois								
Street Address:	352 Henry Administration Building,								
Internal Address:	506 S. Wright								
City:	Urbana								
State/Country:	ILLINOIS								
Postal Code:	61801								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13950726</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13950726				
Property Type	Number								
Application Number:	13950726								
CORRESPONDENCE DATA									
Fax Number:	3123214299								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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Correspondent Name:	Mindy N. Rittner								
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ATTORNEY DOCKET NUMBER:	10322-246								
NAME OF SUBMITTER:	Mindy N. Rittner								
Signature:	/Mindy N. Rittner/								

CH \$40.00 13950726

PATENT

Date:

08/06/2013

**Total Attachments: 5**

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**ASSIGNMENT**

WHEREAS, Catherine J. Murphy, Samuel E. Lohse and Jonathan R. Eller, hereinafter called the "Assignors", have made the invention set forth in the United States patent application entitled **CONTINUOUS FLOW REATOR AND METHOD FOR NANOPARTICLE SYNTHESIS**, for a full description of which reference is here made to U.S. Provisional Patent Application 61/708,243, filed October 1, 2012, and U.S. Provisional Patent Application Serial No. 61/676,184, filed July 26, 2012.

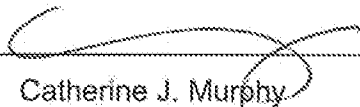
WHEREAS, The Board of Trustees of the University of Illinois, a body corporate and politic of the State of Illinois, organized and existing under the laws of the State of Illinois, having a place of business at 352 Henry Administration Building, 506 S. Wright, Urbana, Illinois 61801, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all related applications, including nonprovisionals, continuations, continuations-in-part, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

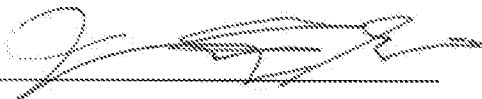
DATED: 10/8/12

  
Catherine J. Murphy

DATED: 10/8/12

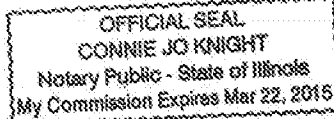
  
Samuel E. Lohse

DATED: 10/9/12

  
Jonathan R. Eller

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

STATE OF Illinois )  
COUNTY OF Champaign ) ss.



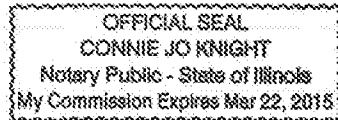
I, Connie Jo Knight, a Notary Public in and for the County and State aforesaid, do hereby certify that Catherine J. Murphy, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

8 IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this day of October, 2012.

Connie Jo Knight  
Notary Public

My Commission Expires: March 22, 2015

STATE OF Illinois )  
COUNTY OF Champaign ) ss.



I, Connie Jo Knight, a Notary Public in and for the County and State aforesaid, do hereby certify that Samuel E. Lohse, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 8 day of October, 2012.

Connie Jo Knight  
Notary Public

OFFICIAL SEAL  
CONNIE JO KNIGHT  
Notary Public - State of Illinois  
My Commission Expires Mar 22, 2015  
Case No. 10322-214

Client Reference No. TF12093-PRO2

STATE OF Illinois  
COUNTY OF Champaign ) ss.

OFFICIAL SEAL  
CONNIE JO KNIGHT  
Notary Public - State of Illinois  
My Commission Expires Mar 22, 2015

I, Connie Jo Knight, a Notary Public in and for the County and State aforesaid, do hereby certify that Jonathan R. Eller, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

9 IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this day of October, 2012.

Connie Jo Knight  
Notary Public