

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Gregory TIMP	07/29/2011
Utkur MIRSAIDOV	08/17/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	The Board of Trustees of the University of Illinois
<b>Street Address:</b>	352 Henry Administration Building
<b>Internal Address:</b>	506 South Wright Street
<b>City:</b>	Urbana
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	61801
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13133300
<b>Application Number:</b>	61139056
<b>PCT Number:</b>	US0968726
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(303)499-8089
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	3034998080
<b>Email:</b>	rfriedland@greenleesullivan.com
<b>Correspondent Name:</b>	Ronald Friedland
<b>Address Line 1:</b>	4875 Pearl East Circle, Suite 200
<b>Address Line 4:</b>	Boulder, COLORADO 80301
<b>ATTORNEY DOCKET NUMBER:</b>	168-08
<b>NAME OF SUBMITTER:</b>	GARY B. CHAPMAN

**CH \$120.00 13133300**

**Total Attachments: 6**

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**ASSIGNMENT**

WHEREAS, WE:

1. **Gregory TIMP**, residing at 316 Stinson Remick Lab, University of Notre Dame, South Bend, Indiana, 46556, United States of America;
2. **Utkur MIRSAIDOV**, residing at 3041 Beckman Institute, 405 N. Mathews, Urbana, Illinois, 61801, United States of America;

(herein called "ASSIGNORS"), are the inventors of the invention entitled:

**"Detecting and Sorting Methylated DNA Using a Synthetic Nanopore";**

for which the following patent application(s):

Application Type	Application Serial No.	Filing Date
United States Patent Application	13/133,300	June 7, 2011
PCT International Patent Application	PCT/US09/068726	December 18, 2009
U.S. Provisional Patent Application	61/139,056	December 19, 2008

were submitted or filed (collectively, the "LISTED APPLICATIONS");

AND WHEREAS, THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS (herein called "ASSIGNEE"), an entity organized and existing under the laws of the State of Illinois, having a principal place of business at:

352 Henry Administration Building  
506 South Wright Street  
Urbana, IL 61801,

is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application(s);

NOW, THEREFORE, in consideration of my contractual and other legal obligations, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, a said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States Application and all divisions, renewals, continuations and subsequent applications thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States; together with the right to file such applications and the right to

claim for the same the priority of said patent applications listed herein and applications thereof and therefrom under The International Union for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application and applications thereof and therefrom is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND I HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

AND I HEREBY authorize the above-mentioned ASSIGNEE or its legal representative to insert in this instrument the filing date and serial number of said application(s) or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document;

AND I HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all continuing and subsequent applications, including divisional, reissue and foreign applications, make all rightful oaths, and generally cooperate and do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain, maintain, and enforce proper protection for said invention in any and all countries;

IN TESTIMONY WHEREOF, I hereunto set my hand and seal (if applicable) the day and year set opposite my signature.

07-29-2011  
Date \_\_\_\_\_ Gregory Timp  
GREGORY TIMP

STATE OF Indiana )  
 ) ss.  
COUNTY OF St. Joseph )

BEFORE ME, the undersigned authority, on this 29<sup>th</sup> day of July (month),  
2011 (year), personally appeared the above person, known to me to be the person  
whose name is subscribed to this instrument and who acknowledged to me that s/he  
executed the same of his/her own free will for the purposes and consideration herein  
expressed.

Date: July 29, 2011 Barbara E. Klowetko  
Notary Public  
My Commission expires: 8-27-2015

\_\_\_\_\_  
Date \_\_\_\_\_ UTKUR MIRSAIDOV

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

BEFORE ME, the undersigned authority, on this \_\_\_\_\_ day of \_\_\_\_\_ (month),  
\_\_\_\_\_ (year), personally appeared the above person, known to me to be the person  
whose name is subscribed to this instrument and who acknowledged to me that s/he  
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Date: \_\_\_\_\_  
Notary Public  
My Commission expires: \_\_\_\_\_

Additional Assignors on additional sheets: No

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Urbana, IL 61801,

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NOW, THEREFORE, in consideration of my contractual and other legal obligations, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, a said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States Application and all divisions, renewals, continuations and subsequent applications thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States; together with the right to file such applications and the right to

claim for the same the priority of said patent applications listed herein and applications thereof and therefrom under The International Union for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application and applications thereof and therefrom is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

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AND I HEREBY authorize the above-mentioned ASSIGNEE or its legal representative to insert in this instrument the filing date and serial number of said application(s) or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document;

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal (if applicable) the day and year set opposite my signature.

\_\_\_\_\_

\_\_\_\_\_  
**GREGORY TIMP**

STATE OF \_\_\_\_\_ )

COUNTY OF \_\_\_\_\_ )

)  
) ss.  
)

BEFORE ME, the undersigned authority, on this \_\_\_\_ day of \_\_\_\_\_ (month),  
\_\_\_\_\_ (year), personally appeared the above person, known to me to be the person  
whose name is subscribed to this instrument and who acknowledged to me that s/he  
executed the same of his/her own free will for the purposes and consideration herein  
expressed.

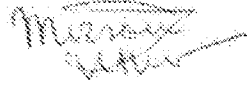
Date: \_\_\_\_\_

\_\_\_\_\_

Notary Public

My Commission expires: \_\_\_\_\_

17 Aug., 2011



\_\_\_\_\_

\_\_\_\_\_  
**UTKUR MIRSAIDOV**

STATE OF \_\_\_\_\_ )

COUNTY OF \_\_\_\_\_ )

)  
) ss.  
)

BEFORE ME, the undersigned authority, on this \_\_\_\_ day of \_\_\_\_\_ (month),  
\_\_\_\_\_ (year), personally appeared the above person, known to me to be the person  
whose name is subscribed to this instrument and who acknowledged to me that s/he  
executed the same of his/her own free will for the purposes and consideration herein  
expressed.

Date: \_\_\_\_\_

\_\_\_\_\_

Notary Public

My Commission expires: \_\_\_\_\_

Additional Assignors on additional sheets: No