

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Han Cao</td> <td>05/14/2008</td> </tr> <tr> <td>Parikshit A. Deshpande</td> <td>05/14/2008</td> </tr> <tr> <td>Michael D. Austin</td> <td>05/14/2008</td> </tr> <tr> <td>Michael Boyce-Jacino</td> <td>05/14/2008</td> </tr> </tbody> </table>		Name	Execution Date	Han Cao	05/14/2008	Parikshit A. Deshpande	05/14/2008	Michael D. Austin	05/14/2008	Michael Boyce-Jacino	05/14/2008
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Michael Boyce-Jacino	05/14/2008										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	BioNanomatrix, LLC										
<b>Street Address:</b>	3624 Market Street										
<b>Internal Address:</b>	5E										
<b>City:</b>	Philadelphia										
<b>State/Country:</b>	PENNSYLVANIA										
<b>Postal Code:</b>	19104										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12057987</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12057987						
Property Type	Number										
Application Number:	12057987										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(215)568-3439										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	215-568-3100										
<b>Email:</b>	fpoore@woodcock.com										
<b>Correspondent Name:</b>	Woodcock Washburn, LLP										
<b>Address Line 1:</b>	2929 Arch Street										
<b>Address Line 2:</b>	Cira Centre, 12th Floor										
<b>Address Line 4:</b>	Philadelphia, PENNSYLVANIA 19104-2891										
<b>ATTORNEY DOCKET NUMBER:</b>	BNMX-0017										
<b>NAME OF SUBMITTER:</b>	Faith A. Poore										

CH \$40.00 12057987

**Total Attachments: 5**

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ASSIGNMENT

WHEREAS, we **Han Cao** residing at **2001 Hamilton Street, Suite 2123, Philadelphia, Pennsylvania 19130**, **Parikshit A. Deshpande** residing at **2211 Wallace Street, Philadelphia, Pennsylvania 19130**, **Michael D. Austin** residing at **911 South Bodine Street, Philadelphia, Pennsylvania 19147** and **Michael Boyce-Jacino** residing at **2 Clark Court, Titusville, New Jersey 08560**, hereinafter referred to as the assignors, are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Application No. **12/057,987**, filed **March 28, 2008**, entitled **METHODS OF MACROMOLECULAR ANALYSIS USING NANOCHANNEL ARRAYS**; and

WHEREAS, **BioNanomatrix, LLC**, hereinafter referred to as the assignee, of **3624 Market Street, 5E, Philadelphia, Pennsylvania 19104**, a corporation of **Delaware**, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, including the full right to sue for and collect damages for past violations of provisional rights having arisen from any publication of said application or any continuations, divisions, or renewals of or substitutes for said application. We further assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers to execute all disclaimers and divisional, continuing,





DOCKET NO.: BNMX-0017

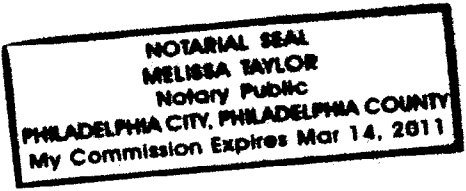
PATENT  
Joint Inventors  
(Pending Application;  
Application No. Known)

5/14/2008  
Date

*Michael D. Austin* (L.S.)  
Michael D. Austin

STATE OF Pennsylvania :  
COUNTY OF Philadelphia : SS

On this 14 day of May, year of 2008, before me personally came the above named **Michael D. Austin** to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.



*Melissa Taylor*  
Notary Public

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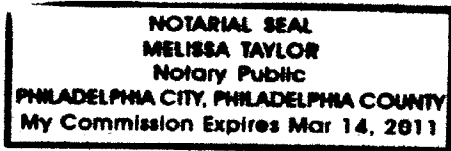
PATENT  
Joint Inventors  
(Pending Application;  
Application No. Known)

5/14/2008  
Date

*Michael Boyce-Jacino* (L.S.)  
Michael Boyce-Jacino

STATE OF Pennsylvania :  
COUNTY OF Philadelphia : SS

On this 14 day of May, year of 2008, before me personally came the above named **Michael Boyce-Jacino** to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.



*Melissa Taylor*  
Notary Public