

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Oleg Gang</td> <td>05/12/2009</td> </tr> <tr> <td>Dmytro Nykypanchuk</td> <td>04/17/2009</td> </tr> <tr> <td>Mathew Maye</td> <td>06/05/2009</td> </tr> <tr> <td>Daniel van der Lelie</td> <td>04/14/2009</td> </tr> </tbody> </table>		Name	Execution Date	Oleg Gang	05/12/2009	Dmytro Nykypanchuk	04/17/2009	Mathew Maye	06/05/2009	Daniel van der Lelie	04/14/2009		
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (631)344-3729</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 631-344-3341</p> <p>Email: ott@bnl.gov</p> <p>Correspondent Name: BROOKHAVEN SCIENCE ASSOCIATES/ BROOKHAVE</p> <p>Address Line 1: BLDG. 185 - P.O. BOX 5000</p> <p>Address Line 4: UPTON, NEW YORK 11973</p>													
ATTORNEY DOCKET NUMBER:	BSA 07-29												
NAME OF SUBMITTER:	Dorene M. Price												

CH \$40.00 12418355

**500908720**

**PATENT**  
**REEL: 022946 FRAME: 0810**

Total Attachments: 3

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ASSIGNMENT

Joint

WHEREAS, we Oleg Gang; Dmytro Nykypanchuk; Mathew Maye and Daniel van der Lelie, citizens of Israel, Ukraine, United States, and the Netherlands, respectively, residing in South Setauket County of Suffolk, State of New York, in Westbury, County of Suffolk, State of New York, in Binghamton, County of Broome, State of New York, and in Shoreham, County of Suffolk, State of New York, ASSIGNORS, are the inventors of an invention and certain new and useful improvements disclosed in an application entitled "DNA-Guided Nanoparticle Assemblies"; we filed the said non-provisional application for United States Letters Patent on 04/03/2009, accorded S.N. 12/418,355; and the said application was executed by us on 5/12/2009; 4/17/2009; 6/5/2009 and 4/14/2009; and;

WHEREAS, the **Brookhaven Science Associates**, incorporated in Delaware (BSA), having an office at **40 Brookhaven Avenue, Building 460, Upton, NY 11973-5000**, desires to acquire the entire right, title, and interest in, under and to the said invention and improvements which are disclosed in the said application, and any Letters Patent wherever they may be issued thereon;

WHEREAS, BSA has elected to take title to said invention pursuant to P.L. 98-620 and has informed the U.S. Department of Energy of that election and the U.S. Department of Energy has not exercised any exceptions thereto under either 401.3(a)(2) or (3) of P.L. 98-620, but retains the right to do so;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned ASSIGNORS by these presents do sell, assign, and transfer unto BSA the entire right, title, and interest in, under and to the said invention and improvements as disclosed in the said application as well as any divisional, continuation, renewal, substitute, reissue, reexamination, conversion, and all other applications for Letters Patent or the legal equivalent thereof wherever they may be filed, and in, under and to any and all Letters Patent or the legal equivalent thereof wherever they may be issued thereon including all original, reissue, reexamination, and extensions of said Letters Patent or the legal equivalent thereof;

AND WE HEREBY authorize and request the issuing authority 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 and in the name of the Brookhaven Science Associates;

AND WE HEREBY covenant and agree that we have full right to convey the entire right, title and interest herein assigned, and that we have not executed, and will not execute, any assignment, grant, mortgage, license or other agreement in conflict herewith;

AND WE HEREBY agree to make, execute, and deliver unto BSA any and all rightful oaths, declarations, assignments, powers of attorney, affidavits, statements, and all other documents or instruments; we agree to execute all renewal, divisional, continuation, substitute, reexamination, foreign, reissue, and all other applications; we agree to communicate to BSA, its successors, legal representatives, or its assigns, any facts known to us respecting the said invention and improvements and the history thereof; we agree to testify as to the same in or incident to the prosecution or conduct of any and all applications, before as well as after the issuance of any Letters Patent thereon, or in the adjustment or settlement of any interferences, litigations, or other actions or proceedings that said applications may encounter or in which they may become involved as may be required by BSA, or its duly authorized representative; and we agree to generally do everything possible to aid BSA in protecting the said invention and improvements, and in obtaining, maintaining, defending and enforcing proper protection for the said invention and improvements as may be requested by BSA, its successors, legal representatives or its assigns, except that any expenses arising through extending such assistance will be paid for by proper arrangement with BSA;

AND WE HEREBY agree and acknowledge that the sale, assignment and transfer of rights and property set forth herein is and shall be irrevocable and binding upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and shall extend to the successors, assigns and nominees of BSA.

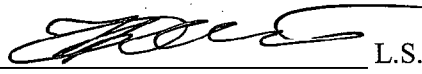
IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date: 5/12/09  L.S.  
OLEG GANG

State of  
County of  
Cyrena E. Condemi  
NOTARY PUBLIC  
STATE OF NEW YORK  
Suffolk County  
Commission Expires: 12-11-2010

On this 12 day of May, 2009, before me, a Notary Public in and for the State and County aforesaid, personally appeared **OLEG GANG**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and s/he acknowledged the same to be her/his free act and deed.

Cyrena E. Condemi  
NOTARY PUBLIC

Date: 4/17/09  L.S.  
DMYTRO NYKYPANCHUK

State of  
County of  
Cyrena E. Condemi  
NOTARY PUBLIC  
STATE OF NEW YORK  
Suffolk County  
Commission Expires: 12-11-2010

On this 17 day of April, 2009, before me, a Notary Public in and for the State and County aforesaid, personally appeared **DMYTRO NYKYPANCHUK**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and s/he acknowledged the same to be her/his free act and deed.

Cyrena E. Condemi  
NOTARY PUBLIC

Date:

6/5/9

Mathew M. Maye L.S.  
MATHEW MAYE

State of

County of

On this 5<sup>th</sup> day of June, 2009, before me, a Notary Public in and for the State and County aforesaid, personally appeared **MATHEW MAYE**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and s/he acknowledged the same to be her/his free act and deed.

DEBORAH A. MALEY  
Notary Public, State of New York  
Qualified in Onondaga Co. No. 01MA5017818  
My Commission Expires Sept. 13, 2009

Deborah A. Maley  
NOTARY PUBLIC

Date:

4/14/2009

Daniel Van Der Lelie L.S.  
DANIEL VAN DER LELIE

State of

Cyrena E. Condermi  
NOTARY PUBLIC  
STATE OF NEW YORK  
Suffolk County

County of

Commission Expires: 12-11-2010

On this 14 day of April, 2009, before me, a Notary Public in and for the State and County aforesaid, personally appeared **DANIEL VANDER LELIE**, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and s/he acknowledged the same to be her/his free act and deed.

Cyrena E. Condermi  
NOTARY PUBLIC