

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<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>Aleksey E. Bolotnikov</td> <td>03/26/2008</td> </tr> <tr> <td>Giuseppe Camarda</td> <td>03/26/2008</td> </tr> <tr> <td>Yonggang Cui</td> <td>03/26/2008</td> </tr> <tr> <td>Ralph B. James</td> <td>03/26/2008</td> </tr> </tbody> </table>		Name	Execution Date	Aleksey E. Bolotnikov	03/26/2008	Giuseppe Camarda	03/26/2008	Yonggang Cui	03/26/2008	Ralph B. James	03/26/2008
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RECEIVING PARTY DATA											
Name:	Brookhaven Science Associates/Brookhaven National Laboratory										
Street Address:	P. O. Box 5000										
Internal Address:	Bldg. 185										
City:	Upton										
State/Country:	NEW YORK										
Postal Code:	11973-5000										
PROPERTY NUMBERS Total: 1											
<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>12056655</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12056655						
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CORRESPONDENCE DATA											
Fax Number:	(631)344-3729										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Email:	pacella@bnl.gov										
Correspondent Name:	Brookhaven Science Associates, LLC										
Address Line 1:	40 Brookhaven Ave										
Address Line 2:	Bldg. 460										
Address Line 4:	Upton, NEW YORK 11973-5000										
ATTORNEY DOCKET NUMBER:	BSA 07-22										
NAME OF SUBMITTER:	Lori-Anne Neiger										

CH \$40.00 12056655

Total Attachments: 3

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ASSIGNMENT

Joint

WHEREAS, we Aleksey E. Bolotnikov; Giuseppe Camarda; Yonggang Cui; and Ralph B. James, citizens of United States; United States, China and United States, respectively, residing in South Setauket, County of Suffolk, State of New York, in Farmingville, County of Suffolk, State of New York, in Upton, County of Suffolk, State of New York, and in Ridge, 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 "A High-Energy Detector"; we filed the said non-provisional application for United States Letters Patent identified as BSA 07-22; and the said application was executed by us on March 26, 2008; and;

WHEREAS, the **Brookhaven Science Associates, LLC**, 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;

Date: 3-26-2008, 2008

Yonggang Cui L.S.
YONGGANG CUI

State of

Cyrena E. Condemni
NOTARY PUBLIC
STATE OF NEW YORK
Suffolk County
Commission Expires: 12/11/2010

County of

On this 26 day of March, 2008, before me, a Notary Public in and for the State and County aforesaid, personally appeared **YONGGANG CUI**, 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. Condemni
NOTARY PUBLIC

Date: 3-26-2008, 2008

Ralph B. James L.S.
RALPH B. JAMES

State of

Cyrena E. Condemni
NOTARY PUBLIC
STATE OF NEW YORK
Suffolk County
Commission Expires: 12/11/2010

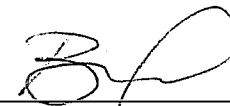
County of

On this 26 day of March, 2008, before me, a Notary Public in and for the State and County aforesaid, personally appeared **RALPH B. JAMES**, 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. Condemni
NOTARY PUBLIC

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.

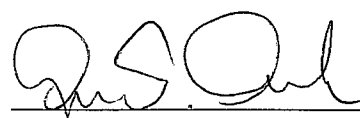
IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date: 3/26/08, 2008  L.S.
ALEKSEY E. BOLOTNIKOV

State of **Cyrena E. Condemni**
NOTARY PUBLIC
STATE OF NEW YORK
Suffolk County
County of **Commission Expires: 12/11/2010**

On this 26 day of March, 2008, before me, a Notary Public in and for the State and County aforesaid, personally appeared **ALEKSEY E. BOLOTNIKOV**, 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.


NOTARY PUBLIC

Date: 03/26/08, 2008  L.S.
GIUSEPPE CAMARDA

State of **Cyrena E. Condemni**
NOTARY PUBLIC
STATE OF NEW YORK
Suffolk County
County of **Commission Expires: 12/11/2010**

On this 26 day of March, 2008, before me, a Notary Public in and for the State and County aforesaid, personally appeared **GIUSEPPE CAMARDA**, 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.


NOTARY PUBLIC