

**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>
Gianluigi De Geronimo	10/08/2008
Paul O'Connor	10/13/2008
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Brookhaven Science Associates
<b>Street Address:</b>	40 Brookhaven Avenue
<b>Internal Address:</b>	Building 460
<b>City:</b>	Upton
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	11973-5000
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	12282607
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)471-4094
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	(412) 471-8815
<b>Email:</b>	webblaw@webblaw.com
<b>Correspondent Name:</b>	The Webb Law Firm
<b>Address Line 1:</b>	436 Seventh Avenue
<b>Address Line 2:</b>	700 Koppers Building
<b>Address Line 4:</b>	Pittsburgh, PENNSYLVANIA 15219
<b>ATTORNEY DOCKET NUMBER:</b>	4375-082945
<b>NAME OF SUBMITTER:</b>	Richard L. Byrne, Reg. No. 28,498

OP \$40.00 12282607

Total Attachments: 3  
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### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Gianluigi DeGeronimo  
Paul O'Connor

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**

Name: Brookhaven Science Associates

Internal Address: \_\_\_\_\_

Street Address: 40 Brookhaven Avenue

Building 460

City: Upton

State: New York

Country: US Zip: 11973-5000

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) October 8, 2008; October 13, 2008

- Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)  
12/282,607

B. Patent No.(s)

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Richard L. Byrne, Esq.

Internal Address: The Webb Law Firm

Street Address: 436 Seventh Avenue  
700 Koppers Building

City: Pittsburgh

State: PA Zip: 15219

Phone Number: 412-471-8815

Fax Number: 412-471-4094

Email Address: webblaw@webblaw.com

**6. Total number of applications and patents involved: 1****7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40**

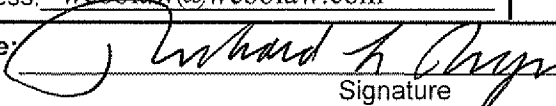
- Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers 1059  
Expiration Date 08/2010

b. Deposit Account Number 23-0650

Authorized User Name \_\_\_\_\_

**9. Signature**

Signature

January 9, 2009

Date

Richard L. Byrne, Reg. No. 28,498  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

Joint

WHEREAS, we Gianluigi De Geronimo and Paul O'Connor, citizens of Italy and the United States, respectively, residing in Syosset, County of Nassau, State of New York, and in Bellport, 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 "Multi-Window Signal Processing Electronics Architecture for Photon Counting with Multi-Element Sensors"; we filed the said non-provisional application at the United States Letters Patent on 09/11/2008 accorded S.N. 12/282,607; and the said application was executed by us on 10/8/2008 and 10/13/2008; 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: 10-8-, 2008 *Gianluigi De Geronimo* L.S.  
GIANLUIGI DE GERONIMO

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

On this 8 day of October, 2008, before me, a Notary Public in and for the State and County aforesaid, personally appeared GIANLUIGI DE GERONIMO, 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: Oct. 13, 2008 *Paul O'Connor* L.S.  
PAUL O'CONNOR

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

On this 13 day of October, 2008, before me, a Notary Public in and for the State and County aforesaid, personally appeared PAUL O'CONNOR, 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