PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4912815

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHEW SFEIR	03/20/2017
ERIK M.A. BUSBY	02/27/2017

RECEIVING PARTY DATA

Name:	BROOKHAVEN SCIENCE ASSOCIATES, LLC.	
Street Address:	40 BROOKHAVEN AVENUE	
Internal Address:	BUILDING 460	
City:	UPTON	
State/Country:	NEW YORK	
Postal Code:	11973-5000	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15333043

CORRESPONDENCE DATA

Fax Number: (212)850-2929

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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HUNTON ANDREWS KURTH LLP - NEW YORK MIDTOWN OFFICE Correspondent Name:

Address Line 1: **450 LEXINGTON AVENUE** Address Line 4: **NEW YORK, NEW YORK 10017**

ATTORNEY DOCKET NUMBER: 300058.US.03-32883-262904	
NAME OF SUBMITTER:	GARY ABELEV
SIGNATURE:	/s/ Gary Abelev
DATE SIGNED:	04/12/2018

Total Attachments: 3

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PATENT REEL: 045522 FRAME: 0808 504866075

WHEREAS, we Matthew Sfeir and Erik M. A. Busby, residing in Bethpage. County of Nassau, State of New York, and in Patchogue. County of Suffolk, State of New York, ASSIGNOR, are the inventors of an invention and certain new and useful improvements disclosed in an application entitled "Molecular Compositions, Materials, and Methods for Efficient Multiple Exciton Generation"; we filed the PCT application accorded International Application No. PCT/US2015/027660 with an International Filing Date of 04/24/2015, and PCT application accorded International Application No. PCT/US2015/000309 with an International Filing Date of 12/23/2015; and we filed the U.S. National Phase application S.N. 15/333,043 on October 24, 2016 from the PCT Application Nos. PCT/US2015/027660 and PCT/US2015/000309, 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 ASSIGNOR 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, LLC;

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;

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PATENT REEL: 045522 FRAME: 0809 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: 3/20/2017		L.S.
State of NEW YORK County of SUFFOLK	MATTHEW SPEER	•
aforesaid, personally appeared MATTHEV	2017, before me, a Notary Public in and for the V SFEIR to me known and known to me to be instrument, and s/he acknowledged the same to be	the person of tha
and dood.	Voicen M. Van	scher
	NOTARY PUBLIC	•
	Notary Public, No. 5	M. DAUSCHER State of New York 2-4903669 Suffolk County
	Commission E	xpires 8/24, 20
		,
Date:		L.S.
	ERIK M. A. BUSBY	
State of		
County of		
aforesaid, personally appeared ERIK M. A.	2017, before me, a Notary Public in and for the BUSBY, to me known and known to me to be instrument, and s/he acknowledged the same to be	the person of that
MAN DEEM	•	
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•	NOTA DV DI IDI IC	

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

Date:	L.S.
	MATTHEW SFEIR
State of	
County of	
On this day of	, 2017, before me, a Notary Public in and for the State and Count
	ATTHEW SFEIR to me known and known to me to be the person of the
	oregoing instrument, and s/he acknowledged the same to be her/his free acceptance of the same to be her/his free acceptance.
and deed.	regoing histiament, and office aemic wroaped are sume to be near in 100 a
	NOTARY PUBLIC
	/ 1911 U .
2/17	
Date:	L.S.
•	ERIK M. A. BUSBY
State of	
County of	
On this 27th day of tebr	wer 4, 2017, before me, a Notary Public in and for the State and Count
aforesaid, personally appeared ER	1K. M. A. BUSBY, to me known and known to me to be the person of the
name, who signed and sealed the fo	oregoing instrument, and s/he acknowledged the same to be her/his free a
and deed.	
	NOTARY PUBLIC
	NOTARY PUBLIC
•	
	A notary quiblic or other officer complations his continues assistance and the second
	A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.
•	State of California County of Santa Clarates Co. 2. 12. 2. 15. 15. 15.
	State of California, County of Santa Clara) ss. On 2271 + before me. Sunita Singh, Notary Public, personally appeared Engle M. P. Stalle 4
	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to
	the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized
	capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of
	which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the
	State of California that the foregoing paragraph is true and correct. WITNESS my hand and official seal.
	The state of the s
	SUNITA SINGH
	COMIVI. # 2171563 5

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SANTA CLARA COUNTY