

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3118163

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
J. WILLIAM EFCAVITCH	11/20/2014
SUHAIB SUDDIQI	11/19/2014
RECEIVING PARTY DATA	
Name:	MOLECULAR ASSEMBLIES, INC.
Street Address:	11025 PALLON WAY
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92124
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14459014
CORRESPONDENCE DATA	
Fax Number:	(617)856-8201
<i>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.</i>	
Phone:	617-856-8200
Email:	ip@brownrudnick.com
Correspondent Name:	BROWN RUDNICK LLP
Address Line 1:	ONE FINANCIAL CENTER
Address Line 4:	BOSTON, MASSACHUSETTS 02111
ATTORNEY DOCKET NUMBER:	MOLA-001/02US (31144/7)
NAME OF SUBMITTER:	THOMAS C. MEYERS
SIGNATURE:	/Thomas C. Meyers/
DATE SIGNED:	11/21/2014
Total Attachments: 5	
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ASSIGNMENT

WHEREAS We, the below named inventors,

J. William Efcavitch and Suhaib Siddiqi

hereinafter referred to as "Assignors" have made an invention(s) set forth in an application for patent of the United States, entitled:

METHODS AND APPARATUS FOR SYNTHESIZING NUCLEIC ACIDS

for which we filed U.S. Non-provisional patent application on August 13, 2014 which bears U.S. Patent Application Serial No. **14/459,014**; and

WHEREAS, MOLECULAR ASSEMBLIES, INC., having a place of business at 11025 Pallon Way, San Diego, California 92124 (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the invention(s); the applications for patent identified above; the right to file applications for patent of the United States or other countries on the invention(s); any application for patent of the United States or other countries claiming priority to these applications; any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and valuable consideration, the receipt of which from Assignee is hereby acknowledged, and to the extent that the Assignors have not done so already via a prior agreement with the Assignee, or if the Assignors have already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignors' entire right, title, and interest in:

(a) the application for patent identified above and all the invention(s) disclosed in said application;

(b) any and all inventions and improvements disclosed in said application for patent identified above, together with all pending applications and all provisional applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States or other countries on any of said inventions or improvements, or claiming priority to or relying on the disclosure of said application for patent identified above;

(c) the right to file applications for patent of the United States or other countries on the invention(s) and improvements, including all rights under the

Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;

(d) any application(s) for patent of the United States or other countries claiming the invention(s) and improvements;

(e) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (a) – (d), including any reissue(s) and extension(s) of said patent(s).

(f) all rights of priority resulting from the on any application for patent identified in the preceding paragraphs (a) – (d);

(g) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (a)-(d); and

(h) any patent rights, any patent, copyright, trade secret, and any other proprietary rights related thereto, and all designs, improvements, modifications, enhancements, works or ideas related thereto, whether or not protectable as intellectual property, on any application for patent identified in the preceding paragraphs (a) - (d).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and/or assignment not been made.

The Assignors hereby represent to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignors are lawful owners of an undivided interest in the entire right, title, and interest in and to the invention(s), that the invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner set forth herein.

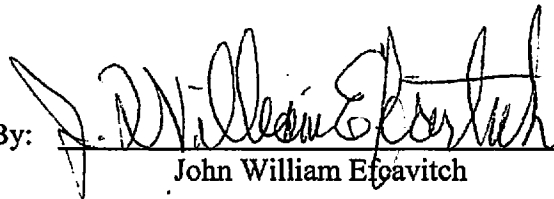
The Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that the Assignors will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignors hereby request the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date:

November 20, 2014

By:


John William Efcavitch

State of _____)

County of _____)

ss.

On _____, before me, _____, Notary Public, personally appeared _____, personally known to me or 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.

WITNESS my hand and official seal.

Signature of Notary Public

Place Notary Seal Above

My Commission Expires: _____

**PLEASE SEE ATTACHED
ACKNOWLEDGEMENT/JURAT
FROM NOTARY PUBLIC**

CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

State of California

County of San Mateo

On 11/20/2014 before me, Tricia Alcontin Enriquez, Notary Public
(Here insert name and title of the officer)

personally appeared John William Efcavitch

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.

Tricia Alcontin Enriquez
Signature of Notary Public

(Notary Seal)



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

Assignment
(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages 4 Document Date 11/20/14

(Additional information)

CAPACITY CLAIMED BY THE SIGNER

- ☐ Individual (s)
☐ Corporate Officer

(Title)

- ☐ Partner(s)
☐ Attorney-in-Fact
☐ Trustee(s)
☐ Other _____

INSTRUCTIONS FOR COMPLETING THIS FORM

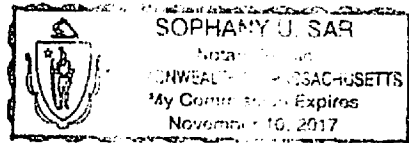
Any acknowledgment completed in California must contain verbiage exactly as appears above in the notary section or a separate acknowledgment form must be properly completed and attached to that document. The only exception is if a document is to be recorded outside of California. In such instances, any alternative acknowledgment verbiage as may be printed on such a document so long as the verbiage does not require the notary to do something that is illegal for a notary in California (i.e. certifying the authorized capacity of the signer). Please check the document carefully for proper notarial wording and attach this form if required.

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. he/she/they, is /are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
 - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
 - ❖ Indicate title or type of attached document, number of pages and date.
 - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document

Date: 11/19/2014

By: For Suhaib Siddiqi

Suhaib Siddiqi

State of <u>Massachusetts</u>)	
County of <u>Middlesex</u>)	ss.
On <u>19 NOV 2014</u> , before me, <u>Sophany Sar</u> , Notary Public, personally appeared <u>Suhaib Siddiqi</u> , personally known to me or 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.		
WITNESS my hand and official seal.		
<u>Sophany Sar</u>		
Signature of Notary Public		Place Notary Seal Above
My Commission Expires: <u>11/10/2017</u>		

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