

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3179115

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DR. NORMAN C. NELSON	12/31/2014
DR. LYLE J. ARNOLD JR.	12/31/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AEGEA BIOTECHNOLOGIES
<b>Street Address:</b>	9955 MESA RIM ROAD
<b>City:</b>	SAN DIEGO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92121
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>PCT Number:</b>	US1429817
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Phone:</b>	(858) 768-1864
<b>Email:</b>	dwaller@dbwipmg.com
<b>Correspondent Name:</b>	DAVID B. WALLER
<b>Address Line 1:</b>	505 WILLOWSRING DRIVE
<b>Address Line 4:</b>	ENCINITAS, CALIFORNIA 92024
<b>ATTORNEY DOCKET NUMBER:</b>	AEGEA.001.PCT
<b>NAME OF SUBMITTER:</b>	DAVID B. WALLER
<b>SIGNATURE:</b>	/David B. Waller/
<b>DATE SIGNED:</b>	01/12/2015
<b>Total Attachments: 4</b>	
source=AEGEA.001.PCT(1 of 4)#page1.tif	
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source=AEGEA.001.PCT (4 of 4)#page1.tif	

<b>ASSIGNMENT OF APPLICATION</b>	Docket Number (Optional) <u>AEGEA.001.PCT</u>
Whereas, I/We, <u>NORMAN C NELSON</u> of _____, hereafter referred to as applicant, have invented certain new and useful improvements in <u>METHODS FOR AMPLIFICATION OF NUCLEIC ACIDS ON SOLID SUPPORTS</u>	
<input checked="" type="checkbox"/> for which an application for a United States Patent was filed on <u>14 MARCH 2014</u> Application Number <u>PCT/US2014/29817</u>	
<input type="checkbox"/> for which an application for a United States Patent was executed on _____, and	
Whereas, _____ of <u>AEGEA BIOTECHNOLOGIES</u> here referred to "assignee" whose mailing address is <u>9955 MESA RIM RD, SD, CA 92121</u> is desirous of acquiring the entire right, title and interest in the same;	
Now, therefore, in consideration of the sum of <u>TEN</u> dollars (\$ <u>10<sup>00</sup></u> ), the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.	
Executed this <u>31</u> day of <u>December</u> , 20 <u>14</u> at <u>San Diego</u>	
State of _____ ) County of _____ )	SS: <u>Norman C. Nelson</u> Signature <u>Norman C. Nelson</u> Printed Name/Registration No., if applicable
Before me personally appeared said _____ and acknowledged the foregoing instrument to be his free act and deed this _____ day of _____, 20 _____.	
Seal	<b>SEE ATTACHED CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT</b>
Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below*.	
<input type="checkbox"/> Total of _____ forms are submitted	

This form offers a sample or suggested format for an assignment document. This sample form is not an OMB officially approved form.

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

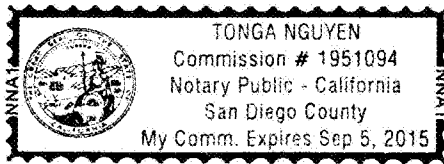
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )  
County of San Diego )  
On 12/31/14 before me, Tonga Nguyen, Notary Public  
Date Here Insert Name and Title of the Officer  
personally appeared Norman E. Nelson  
Name(s) of Signer(s)

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.



Signature Tonga Nguyen  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: Assignment of Application Document Date: 12/31/14  
Number of Pages: 01 Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: Norman E. Nelson  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_  
Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_  
Signer Is Representing: \_\_\_\_\_

ASSIGNMENT OF APPLICATION

Docket Number (Optional)

AEGEA.001.PCT

Whereas, I/We, LYLE J. ARNOLD JR. of \_\_\_\_\_, hereafter referred to as applicant, have invented certain new and useful improvements in \_\_\_\_\_

METHODS FOR AMPLIFICATION OF NUCLEIC ACIDS ON SOLID SUPPORT


for which an application for a United States Patent was filed on 14 MARCH 2014  
Application Number PCT/US 2014/29817

for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, \_\_\_\_\_ of AEGEA BIOTECHNOLOGIES here referred to "assignee" whose mailing address is 9955 MESA RIM RD, SD, CA, 92121 is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of TEN dollars (\$ 10 ), the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 31<sup>ST</sup> day of DECEMBER, 20 14  
at SAN DIEGO

  
Signature  
LYLE J. ARNOLD JR.  
Printed Name/Registration No., if applicable

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) SS:

Before me personally appeared said \_\_\_\_\_  
and acknowledged the foregoing instrument to be his free act and deed this \_\_\_\_\_  
day of \_\_\_\_\_, 20 \_\_\_\_\_.

SEE ATTACHED  
CALIFORNIA ALL-PURPOSE  
ACKNOWLEDGMENT

Seal

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.

Total of \_\_\_\_\_ forms are submitted.

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**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

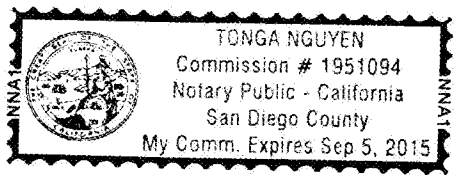
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )  
County of San Diego )  
On 12/31/14 before me, Tonga Nguyen, Notary Public  
Date Here Insert Name and Title of the Officer  
personally appeared Lyle J. Arnold, Jr  
Name(s) of Signer(s)

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.



Signature Tonga Nguyen  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: Assignment of Application Document Date: 12/31/14  
Number of Pages: 01 Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: Lyle J. Arnold, Jr  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_  
Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_  
Signer Is Representing: \_\_\_\_\_