

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Brian M. Baynes</td> <td>02/04/2011</td> </tr> <tr> <td>John Michael Geremia</td> <td>02/04/2011</td> </tr> <tr> <td>Shaun M. Lippow</td> <td>02/10/2011</td> </tr> </tbody> </table>		Name	Execution Date	Brian M. Baynes	02/04/2011	John Michael Geremia	02/04/2011	Shaun M. Lippow	02/10/2011
Name	Execution Date								
Brian M. Baynes	02/04/2011								
John Michael Geremia	02/04/2011								
Shaun M. Lippow	02/10/2011								
RECEIVING PARTY DATA									
Name:	Codon Devices, Inc.								
Street Address:	One Memorial Drive, 7th Floor								
Internal Address:	c/o Flagship Ventures, LLC								
City:	Cambridge								
State/Country:	MASSACHUSETTS								
Postal Code:	02142								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13616157</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13616157				
Property Type	Number								
Application Number:	13616157								
CORRESPONDENCE DATA									
Fax Number:	6173106001								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	128255-010703/DIV								
NAME OF SUBMITTER:	Jennifer A. Camacho								
Total Attachments: 4 source=010703Assignment#page1.tif source=010703Assignment#page2.tif source=010703Assignment#page3.tif source=010703Assignment#page4.tif									

CH \$40.00 13616157

ASSIGNMENT

WHEREAS, We, Brian M. Baynes, John Michael Geremia, and Shaun M. Lippow have invented one or more inventions described in an application (or provisional application) for Letters Patent of the United States entitled:

Biological Synthesis of Difunctional Hexanes and Pentanes From Carbohydrate Feedstocks

and identified by

Attorney Docket No. _____, and/or executed by us on even date herewith and about to be filed in the United States Patent Office;

Application No. 12/661,125 filed in the United States Patent Office on March 11, 2010;
and

WHEREAS, Codon Devices, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at c/o Flagship Ventures, LLC, One Memorial Drive, 7th Floor, Cambridge, MA 02142, desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest we may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international

patent applications;

AND, we hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, we hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on the date of our execution of this assignment;

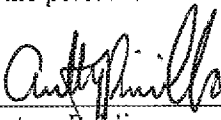
AND, we hereby authorize and request the Director of the United States Patent and Trademark Office to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands-and affixed our seals on the date(s) set forth below.

Inventor: 
Brian M. Baynes

State/Commonwealth of _____)
County of _____) ss

On this 4 day of February, 2011, before me, the undersigned notary public, personally appeared Brian M. Baynes, proved to me through satisfactory evidence of identification, which were License, to be the person whose name is signed on the preceding or attached document in my presence.


Notary Public
My Commission Expires: May 11, 2012

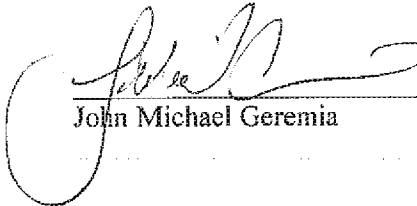
WITNESS

Witness Signature: _____

Witness Name: _____

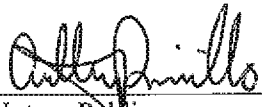
Witness Date: _____

Inventor:


John Michael Geremia

State/Commonwealth of _____)
County of _____) ss

On this 4 day of February, 2011, before me, the undersigned notary public, personally appeared John Michael Geremia, proved to me through satisfactory evidence of identification, which were License, to be the person whose name is signed on the preceding or attached document in my presence.


Notary Public
My Commission Expires: May 11, 2012

WITNESS

Witness Signature: _____

Witness Name: _____

Witness Date: _____

Inventor:

Shaun M. Lippow 2/10/11
Shaun M. Lippow

WITNESS

Witness Signature:

Laura B. Jennings - Antipov

Witness Name:

Laura B. Jennings - Antipov

Witness Date:

2/10/11

WITNESS

Witness Signature:

Philippe Marguet

Witness Name:

Philippe Marguet

Witness Date:

2/10/11