

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4870138

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHINPING CHNG	02/16/2018
WILLIAM CASEY HALLOWS	02/16/2018
NICHOLAS J. AGARD	03/13/2018
OSCAR ALVIZO	02/15/2018
NIKKI DELLAS	02/21/2018
GJALT W. HUISMAN	02/15/2018
JOHN JOSEPH NICOLS	02/15/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Codexis, Inc.
<b>Street Address:</b>	200 Penobscot Drive
<b>City:</b>	Redwood City
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94063
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15894446
<b>PCT Number:</b>	US1817773
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)421-8350
<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>	650-421-8128
<b>Email:</b>	careyna.fujimoto@codexis.com
<b>Correspondent Name:</b>	CODEXIS, INC.
<b>Address Line 1:</b>	200 PENOBSCOT DRIVE
<b>Address Line 4:</b>	REDWOOD CITY, CALIFORNIA 94063
<b>ATTORNEY DOCKET NUMBER:</b>	CX7-159US1/CX7-159WO1
<b>NAME OF SUBMITTER:</b>	KAMRIN T. MACKNIGHT
<b>SIGNATURE:</b>	/Kamrin T. MacKnight/

<b>DATE SIGNED:</b>	03/16/2018
<b>Total Attachments: 8</b> source=7-159US1_Executed_Assignment#page1.tif source=7-159US1_Executed_Assignment#page2.tif source=7-159US1_Executed_Assignment#page3.tif source=7-159US1_Executed_Assignment#page4.tif source=7-159US1_Executed_Assignment#page5.tif source=7-159US1_Executed_Assignment#page6.tif source=7-159US1_Executed_Assignment#page7.tif source=7-159US1_Executed_Assignment#page8.tif	

## ASSIGNMENT

WHEREAS, we, the undersigned,

**Chinping CHNG**, resident of **Menlo Park, California**;

**William Casey HALLOWS**, resident of **San Francisco, California**;

**Nicholas J. AGARD**, resident of **San Francisco, California**;

**Oscar ALVIZO**, resident of **Fremont, California**;

**Nikki DELLAS**, resident of **Mountain View, California**;

**Gjalt W. HUISMAN**, resident of **Redwood City, California**;

**John Joseph NICOLS**, resident of **Redwood City, California**;

(referred to hereinafter as "Inventors") have invented certain new and useful inventions in **"ENGINEERED PHENYLALANINE AMMONIA LYASE POLYPEPTIDES"** and have filed a U.S. patent application therefor, having Serial No. **15/894,446**, and a PCT Application, having International No. **PCT/US2018/017773**, with a filing date of **February 12, 2018** and

WHEREAS, **Codexis, Inc.**, a corporation of the State of Delaware (referred to as "Assignee"), having a place of business at **200 Penobscot Drive, Redwood City, CA 94063**, desires to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") that claim priority to said application, granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration, receipt and sufficiency of which is acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said inventions disclosed therein; (b) in and to all rights to claim priority benefit to said application, in the United States and abroad, pursuant to Title 35 U.S.C., the International Convention for the Protection of Industrial Property, or otherwise; (c) in and to all rights to apply for U.S. and foreign patents on said invention; (d) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a non-provisional, divisional; substitution, continuation, or continuation-in-part of any of said applications; (e) in

and to each and every reissue or reexamination of any of said patents; or (f) in and to extensions of any of said patents.

2. Said Inventors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, his/her respective heirs, legal representatives and assigns.


4. Said Inventors hereby warrants and represents that he/she has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors has executed and delivered this instrument to said Assignee.

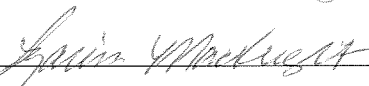
Date 2/16/18

By:   
**Chinpung CHNG**

WITNESSES:

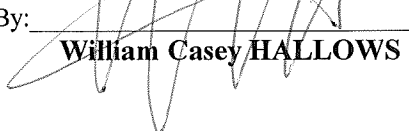
Signature: 

Printed Name: Careyna Fujimoto

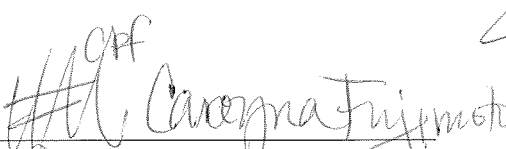
Signature: 

Printed Name: Kameron Macknight

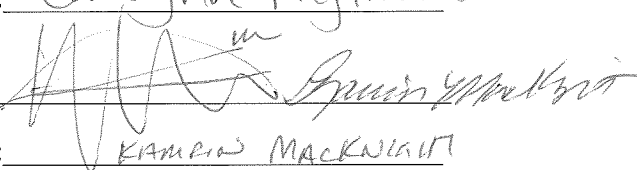
Date 2/16/2018

By:   
**William Casey HALLOWS**

WITNESSES:

Signature: 

Printed Name: Careyna Fujimoto

Signature: 

Printed Name: Kameron Mackworth

Date \_\_\_\_\_

By: \_\_\_\_\_  
**Nicholas J. AGARD**

WITNESSES:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_


Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

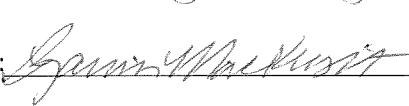
Date 02/15/18

By:   
**Oscar ALVIZO**

WITNESSES:

Signature: 

Printed Name: Careyna Fujimoto

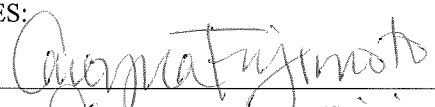
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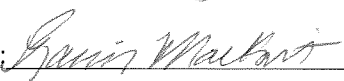
Printed Name: Kameron Mackworth

Date 02/21/18

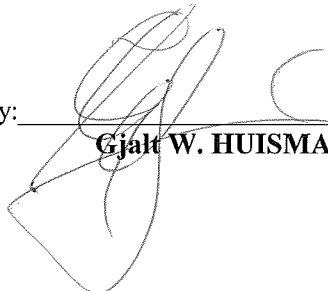
By:   
**Nikki DELLAS**

WITNESSES:

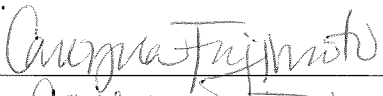
Signature:   
Printed Name: Careyna Fujimoto

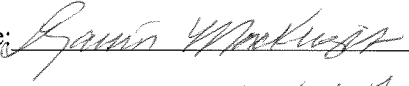
Signature:   
Printed Name: KAMERON MACKNIGHT

Date 2/15/2018

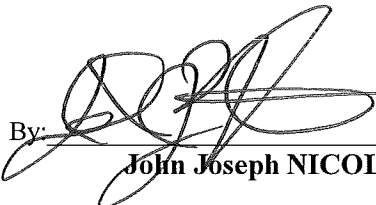
By:   
**Gjaht W. HUISMAN**

WITNESSES:


Signature:   
Printed Name: Careyna Fujimoto

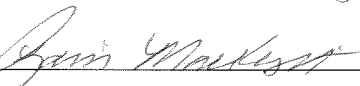
Signature:   
Printed Name: KAMERON MACKNIGHT

Date 2/15/18

By:   
**John Joseph NICOLS**

WITNESSES:

Signature:   
Printed Name: Careyna Fujimoto

Signature:   
Printed Name: KAMERON MACKNIGHT

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**Nikki DELLAS**, resident of **Mountain View, California**;

**Gjalt W. HUISMAN**, resident of **Redwood City, California**;

**John Joseph NICOLS**, resident of **Redwood City, California**;

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and to each and every reissue or reexamination of any of said patents; or (f) in and to extensions of any of said patents.

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4. Said Inventors hereby warrants and represents that he/she has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors has executed and delivered this instrument to said Assignee.

Date \_\_\_\_\_

By: \_\_\_\_\_  
**Chinping CHNG**

WITNESSES:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_



Date \_\_\_\_\_

By: \_\_\_\_\_  
**William Casey HALLOWS**

WITNESSES:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Date March 13, 2018

By: Nicholas J. AGARD  
**Nicholas J. AGARD**

WITNESSES:

Signature: Christopher W. DAVIES

Printed Name: Christopher W. DAVIES

Signature: Mary Mathieu

Printed Name: Mary Mathieu

Date \_\_\_\_\_

By: \_\_\_\_\_  
**Oscar ALVIZO**

WITNESSES:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Date \_\_\_\_\_

By: \_\_\_\_\_  
**Nikki DELLAS**

WITNESSES:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Date \_\_\_\_\_

By: \_\_\_\_\_  
**Gjalt W. HUISMAN**

WITNESSES:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Date \_\_\_\_\_

By: \_\_\_\_\_  
**John Joseph NICOLS**

WITNESSES:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_