

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																										
NATURE OF CONVEYANCE:	ASSIGNMENT																										
<b>CONVEYING PARTY DATA</b>																											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Haiben Chen</td> <td>05/22/2013</td> </tr> <tr> <td>Steven J. Collier</td> <td>05/23/2013</td> </tr> <tr> <td>Jovana Nazor</td> <td>05/21/2013</td> </tr> <tr> <td>Joly Sukumaran</td> <td>05/23/2013</td> </tr> <tr> <td>Derek Smith</td> <td>05/23/2013</td> </tr> <tr> <td>Wan Lin Yeo</td> <td>05/23/2013</td> </tr> <tr> <td>Gjalt Huisman</td> <td>05/22/2013</td> </tr> <tr> <td>Scott Novick</td> <td>05/28/2013</td> </tr> <tr> <td>Nicholas Agard</td> <td>05/29/2013</td> </tr> <tr> <td>Oscar Alvizo</td> <td>06/10/2013</td> </tr> <tr> <td>Greg Cope</td> <td>05/30/2013</td> </tr> <tr> <td>Stefanie Ng</td> <td>05/28/2013</td> </tr> </tbody> </table>		Name	Execution Date	Haiben Chen	05/22/2013	Steven J. Collier	05/23/2013	Jovana Nazor	05/21/2013	Joly Sukumaran	05/23/2013	Derek Smith	05/23/2013	Wan Lin Yeo	05/23/2013	Gjalt Huisman	05/22/2013	Scott Novick	05/28/2013	Nicholas Agard	05/29/2013	Oscar Alvizo	06/10/2013	Greg Cope	05/30/2013	Stefanie Ng	05/28/2013
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Stefanie Ng	05/28/2013																										
<b>RECEIVING PARTY DATA</b>																											
Name:	Codexis, Inc.																										
Street Address:	200 Penobscot Drive																										
City:	Redwood City																										
State/Country:	CALIFORNIA																										
Postal Code:	94063																										
<b>PROPERTY NUMBERS Total: 1</b>																											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13890944</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13890944																						
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Application Number:	13890944																										
<b>CORRESPONDENCE DATA</b>																											
Fax Number:	6504218350																										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																											
Email:	careyna.fujimoto@codexis.com																										
Correspondent Name:	Codexis, Inc.																										

CH \$40.00 13890944

Address Line 1: 200 Penobscot Drive  
Address Line 4: Redwood City, CALIFORNIA 94063

ATTORNEY DOCKET NUMBER:	CX2-120US2
NAME OF SUBMITTER:	Adam K. Whiting
Signature:	/Adam K. Whiting/
Date:	09/09/2013

**Total Attachments: 11**

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**ASSIGNMENT**

WHEREAS, we, the undersigned,

**Haiben CHEN**, resident of Singapore  
**Steven J. COLLIER**, resident of Lexington MA  
**Jovana NAZOR**, resident of Santa Clara CA  
**Joly SUKUMARAN**, resident of Singapore  
**Derek SMITH**, resident of Singapore  
**Wan Lin YEO**, resident of Singapore  
**Gjalt HUISMAN**, resident of San Carlos, CA  
**Scott NOVICK**, resident of Palo Alto, CA  
**Nicholas AGARD**, resident of San Francisco, CA  
**Oscar ALVIZO**, resident of Fremont, CA  
**Greg COPE**, resident of Menlo Park, CA  
**Stefanie NG**, resident of Redwood City, CA

(referred to hereinafter as "Inventors") have invented certain new and useful inventions in "**Engineered Imine Reductases and Methods for the Reductive Amination of Ketone and Amine Compounds**" and have filed an United States Patent Application therefor, having Serial No. **13/890,944** and filing date of **May 9, 2013**, and an International Patent Application therefor, having Int'l Appl. No. **PCT/US13/40377** and filing date of **May 9, 2013**, 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 applications 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 applications, 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 applications and said inventions disclosed therein; (b) in and to all

rights to claim priority benefit to said applications, 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.

Atty. Dkt. No.: CX2-120US2/WO2

Date May 22, 2013

By: Chen  
Haibin CHEN

WITNESSES:

Signature: Sun

Printed Name: ZHE SUN

Signature: Xin

Printed Name: Xin zhou

Date \_\_\_\_\_

By: \_\_\_\_\_  
Steven J. COLLIER

WITNESSES:

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

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

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

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

Date \_\_\_\_\_

By: \_\_\_\_\_  
Jovana NAZOR

WITNESSES:

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

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

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

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

Date \_\_\_\_\_

By: \_\_\_\_\_  
**Haibin CHEN**

WITNESSES:

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

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

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

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

Date May 23, 2013

By: \_\_\_\_\_  
**Steven J. COLLIER**

WITNESSES:

Signature: Heather N. Taft

Printed Name: Heather N. Taft

Signature: Anna Willis

Printed Name: Anna Willis

Date \_\_\_\_\_

By: \_\_\_\_\_  
**Jovana NAZOR**

WITNESSES:

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

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

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

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

Date \_\_\_\_\_

By: \_\_\_\_\_  
Haibin CHEN

WITNESSES:

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

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

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

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

Date \_\_\_\_\_

By: \_\_\_\_\_  
Steven J. COLLIER

WITNESSES:

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

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

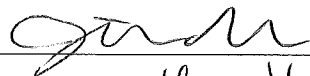
Signature: \_\_\_\_\_

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

Date May 21/2013

By:   
Jovana NAZOR

WITNESSES:

Signature: 

Printed Name: Jonathan Vroom

Signature: 

Printed Name: VESNA MITCHELL

Date 23 May 2013

By:   
Joly SUKUMARAN

WITNESSES:

Signature: 

Printed Name: DAVID MAAS

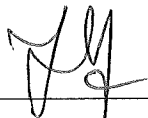
Signature: 

Printed Name: LEE TZE CHUEN

Date 23 MAY 2013

By:   
Derek SMITH

WITNESSES:

Signature: 

Printed Name: JOSEPH THOMAS LEONARD

Signature: 

Printed Name: Dilraj Lama

Date 23 May 2013

By:   
Wan Lin YEO

WITNESSES:

Signature: 

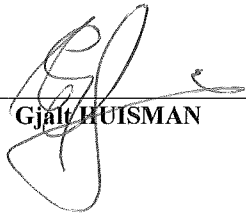
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Signature: 

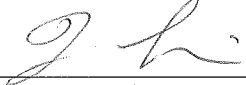
Printed Name: HEE QUI HUAT



Date 5/22/2013

By:   
Gjalp HUISMAN

WITNESSES:

Signature: 

Printed Name: Juan Li

Signature: 

Printed Name: James L. Stonch

Date \_\_\_\_\_

By: \_\_\_\_\_  
Scott NOVICK

WITNESSES:

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

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

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

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

Date \_\_\_\_\_

By: \_\_\_\_\_  
Nicholas AGARD

WITNESSES:

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

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

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

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

Date \_\_\_\_\_

By: \_\_\_\_\_  
Gjalt HUISMAN

WITNESSES:

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

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

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

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


Date 5/28/13

By:   
Scott NOVICK

WITNESSES:

Signature: 

Printed Name: Stefanie Ng

Signature: 

Printed Name: D. Scott Boskerville

Date \_\_\_\_\_

By: \_\_\_\_\_  
Nicholas AGARD

WITNESSES:

Signature: 

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

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

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

Atty. Dkt. No.: CX2-120US2/WO2

Date \_\_\_\_\_

By: \_\_\_\_\_  
Gjalt HUISMAN

WITNESSES:

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

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

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

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

Date \_\_\_\_\_

By: \_\_\_\_\_  
Scott NOVICK

WITNESSES:


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

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

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

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

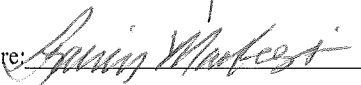
Date 5/29/18  
*Pat*

By:   
Nicholas AGARD

WITNESSES:

Signature: 

Printed Name: Barry Ettenger

Signature: 

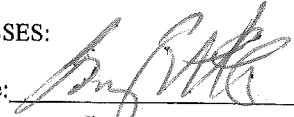
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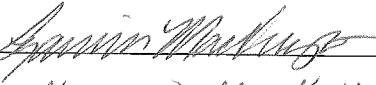
Atty. Dkt. No.: CX2-120US2/WO2

Date 6/10/13


By:   
Oscar ALVIZO

WITNESSES:


Signature:   
Printed Name: Barry Ettengr

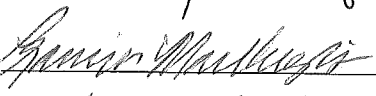
Signature:   
Printed Name: KAMIN MACKNIGHT

Date 5/30/13

By:   
Greg COPE

WITNESSES:

Signature:   
Printed Name: Barry Ettengr

Signature:   
Printed Name: KAMIN MACKNIGHT

Date \_\_\_\_\_

By: \_\_\_\_\_  
Stefanie NG

WITNESSES:

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

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

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

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

Date \_\_\_\_\_

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

WITNESSES:

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

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

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

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

Date \_\_\_\_\_

By: \_\_\_\_\_  
Greg COPE

WITNESSES:

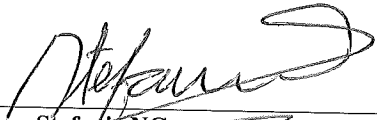
Signature: \_\_\_\_\_

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

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

Date 5/28/2013

By:   
Stefanie NG

WITNESSES:

Signature: 

Printed Name: D. Scott Besckerville

Signature: 

Printed Name: Scott Nowick