PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yong Koy Bong	06/04/2012
Steven James Collier	06/04/2012
Vesna Mitchell	06/15/2012
Jagadessh Mavinahalli	05/06/2012
Michael Vogel	10/23/2012
Yong Koy Bong	04/10/2012
Steven James Collier	04/10/2012
Vesna Mitchell	04/10/2012
Michael Vogel	01/26/2012
Jagadeesh Mavinahalli	03/26/2012

RECEIVING PARTY DATA

Company Name:	Codexis, Inc.
Street Address:	Codexis, Inc.
Internal Address:	200 Penobscot Dr.
City:	Redwood City
State/Country:	CALIFORNIA
Postal Code:	94063

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	13378618
Application Number:	14313465
Application Number:	14697262
Application Number:	15046011

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 6504218138

Email: kamrin.macknight@codexis.com

PATENT REEL: 066424 FRAME: 0477

508380836

Correspondent Name: Kamrin MacKnight

Address Line 1: Codexis, Inc.

Address Line 2: 200 Penobscot Dr.

Address Line 4: Redwood City, CALIFORNIA 94063

ATTORNEY DOCKET NUMBER:	CX2-012
NAME OF SUBMITTER:	Kamrin MacKnight
SIGNATURE:	Kamrin MacKnight
DATE SIGNED:	02/09/2024

Total Attachments: 16

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ASSIGNMENT

WHEREAS, we, the undersigned,

Yong Koy BONG, resident of Singapore;
Michael VOGEL, resident of Germany;
Steven J. COLLIER, resident Singapore
Vesna MITCHELL, resident of San Jose, California;
Jagadeesh MAVINAHALLI, resident of India;

(referred to hereinafter as "Inventors") have invented certain new and useful improvements in "A KETOREDUCTASE-MEDIATED STEREOSELECTIVE ROUTE TO ALPHA CHLOROALCOHOLS" and have filed an International patent application therefor, having Serial No. PCT/US2011/039511, and filing date of June 22, 2010, 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 division, substitution, or continuation of any of said applications; and (e) in and to each and every reissue or extensions of any of said patents.

Int. Appl. Serial No. **PCT/US2011/039511**

Page 1 of 5

Date 10 Apr 2012	By:Yong Koy BONG
(Witness 1) Signature: Zhang Wei	
Print Name: Zhang Wei	
(Witness 2)	
Signature:	
Print Name: Song Shi wer	
Date	By:Michael VOGEL
(Witness 1)	
Signature:	_
Print Name:	
(Witness2)	
Signature:	
Print Name:	_

Int. Appl. Serial No. PCT/US2011/039511

Page 3 of 5

Date 10 April 2012	By:
	Steven J. COLLIER
(Witness 1) Signature: OFCU Print Name: DANIO ENTWIST CO	
(Witness2) Signature: MICHAEL CROWE	
Date	By: Vesna MITCHELL
(Witness 1)	
Signature:	<u> </u>
Print Name:	_
(Witness2) Signature:	
Print Name:	·

Int. Appl. Serial No. **PCT/US2011/039511**

Page 4 of 5

Date	By:
	By: Steven J. COLLIER
(Witness 1)	
Signature:	
Print Name:	
(Witness2)	
Signature:	
Print Name:	
Date 04/10/2012	By: Norma Lutden
	Vesna MITCHELL
(Witness 1)	
(Witness 1) Signature: My Thirm Print Name: Careyna Fuir	ch
Signature: Cov vom to Tro TVV	<u></u>
Print Name: WYWM + WW	MOD
(Witness2)	
Signature: Janine McNam Print Name: Janine McNa	ara
Print Name. Janine McNa	Masa

Int. Appl. Serial No. PCT/US2011/039511

Page 4 of 5

Date	By: Yong Koy BONG
	Yong Koy BONG
(Witness 1)	
Signature:	
Print Name:	-
•	
(Witness 2)	
Signature:	<u> </u>
Print Name:	
Date 26.01.12	By: 91. VS Michael VOGEL
	Michael VOGEL
(Witness 1)	namengs.
Signature:	-
Print Name: Thorsten Movemen	7
//	
(Witness2)	
Signature: Ch PZ	
Print Name: Bucher Christoph	

Int. Appl. Serial No. **PCT/US2011/039511**

Page 3 of 5

Date 26/03/2	
	Jagadeesh MAVINAHALLI
(Witness 1)	
Signature:	Dung neli
Print Name:	MIL KUMAR PANIGRAHI
(Witness2)	
Signatura: C. AA	wh he jee

Print Name: SUBHENDU MUKHERTEE

Int. Appl. Serial No. **PCT/US2011/039511**

Page 5 of 5

ASSIGNMENT

WHEREAS, we, the undersigned,

Yong Koy BONG, resident of Singapore;
Michael VOGEL, resident of Singapore;
Steven James COLLIER, resident of Singapore;
Vesna MITCHELL, resident of San Jose, California;
Jagadeesh MAVINAHALLI, resident of Singapore;

(referred to hereinafter as "Inventors") have invented certain new and useful improvements in "A KETOREDUCTASE-MEDIATED STEREOSELECTIVE ROUTE TO ALPHA CHLOROALCOHOLS" and have filed a provisional U.S. patent application therefor, having Serial No. 61/303,057, and filing date of February 10, 2010, 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 division, substitution, or continuation of any of said applications; and (e) in and to each and every reissue or extensions of any of said patents.

Page 1 of 5

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.

U.S. Appl. Serial No. 61/303,057

Page 2 of 5

Date 4 June 2012 By	Yong KoyBONG
(Witness 1)	
Signature: Will	
Print Name: JAMIE LEE	
(Witness 2) Signature: Print Name: CHRISTELLE HENG	7
Date B	y:
	Michael VOGEL
(Witness 1)	
Signature:	
Print Name:	
(Witness2)	
Signature:	
Print Name:	

Atty. Dkt. No.: CX2-012USP2 Date L June 2012 (Witness 1) Signature: _ Print Name: John Sukumaran (Witness2) Signature: _ Print Name: DEREK Date June 14,2012 (Witness 1) (Witness2)

Date 05/06/201 &	Date	05/06/2	012	
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By: Jagadeesh MAVINAHALLI

(Witness 1)

Signature: S. Muchen 32

Print Name: SUBHENDY MUKHERTEE

(Witness2)

Signature: N.A. Ly ly

Print Name: N.A. KARTHIKEYAN

U.S. Appl. Serial No. 61/303,057

Page 5 of 5

ASSIGNMENT

WHEREAS, we, the undersigned,

Yong Koy BONG, resident of Singapore;
Michael VOGEL, resident of Singapore;
Steven James COLLIER, resident of Singapore;
Vesna MITCHELL, resident of San Jose, California;
Jagadeesh MAVINAHALLI, resident of Singapore;

(referred to hereinafter as "Inventors") have invented certain new and useful improvements in "A KETOREDUCTASE-MEDIATED STEREOSELECTIVE ROUTE TO ALPHA CHLOROALCOHOLS" and have filed a provisional U.S. patent application therefor, having Serial No. 61/303,057, and filing date of February 10, 2010, and

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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 division, substitution, or continuation of any of said applications; and (e) in and to each and every reissue or extensions of any of said patents.

U.S. Appl. Serial No. 61/303,057

Page 1 of 5

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.

Page 2 of 5

Date	By:Yong Koy BONG
	Tolig Koy BONG
(Witness 1)	
Signature:	·
Print Name:	
(Witness 2)	
Signature:	
Print Name:	
Date 23. 10. 2012	By: Michael VOGEL
(Witness 1)	
Signature: V. Sologe	
Signature: Nadin Schl	<u>ag</u> er
(TV)	
(Witness2)	
Signature: <u>Apr Burge</u> Print Name: Hanspele (Bu)	
Print Name: Hansneter Bur	000

U.S. Appl. Serial No. 61/303,057

Page 3 of 5

Date	Ву:
	By: Steven James COLLIER
•	
(Witness 1)	
Signature:	
Print Name:	
(Witness2)	
Signature:	
Print Name:	
Date	By: Vesna MITCHELL
	Vesta MITOTIELL
(Witness 1)	
Signature:	
Print Name:	
(III)	
(Witness2)	
Signature:	
Print Name:	

U.S. Appl. Serial No. 61/303,057

Page 4 of 5

Date	By:
	Jagadeesh MAVINAHALLI
(Witness 1)	
Signature:	
Print Name:	
(Witness2)	
Signature:	
Print Name:	

U.S. Appl. Serial No. 61/303,057

Page 5 of 5