

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5088228

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MATHEW G. MILLER	07/09/2018
CHINPING CHNG	07/09/2018
OSCAR ALVIZO	06/29/2018
MELISSA ANN MAYO	07/11/2018
JAMES NICHOLAS RIGGINS	06/27/2018
XIANG YI	07/02/2018
JONATHAN S. PENFIELD	06/27/2018
GJALT W. HUISMAN	08/02/2018
<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>	16012478
<b>PCT Number:</b>	US1838288
<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>	6504218128
<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>	CX8-168CUS1/CX8-168CWO1
<b>NAME OF SUBMITTER:</b>	KAMRIN T. MACKNIGHT

<b>SIGNATURE:</b>	/KAMRIN T. MACKNIGHT/
<b>DATE SIGNED:</b>	08/08/2018
<b>Total Attachments: 5</b> source=CX8-168CUS1_WO1_Executed_Assignment#page1.tif source=CX8-168CUS1_WO1_Executed_Assignment#page2.tif source=CX8-168CUS1_WO1_Executed_Assignment#page3.tif source=CX8-168CUS1_WO1_Executed_Assignment#page4.tif source=CX8-168CUS1_WO1_Executed_Assignment#page5.tif	

**ASSIGNMENT**

WHEREAS, we, the undersigned,

**Mathew G. MILLER**, resident of **San Carlos, California**;  
**Chinping CHNG**, resident of **Menlo Park, California**;  
**Oscar ALVIZO**, resident of **Fremont, California**;  
**Melissa Ann MAYO**, resident of **Foster City, California**;  
**James Nicholas RIGGINS**, resident of **San Francisco, California**;  
**Xiang YI**, resident of **Foster City, California**;  
**Jonathan S. PENFIELD**, resident of **Truckee California**;  
**Gjalt W. HUISMAN**, resident of **Redwood City, California**;

(referred to hereinafter as "Inventors") have invented certain new and useful inventions in "**T7 RNA POLYMERASE VARIANTS**" and have filed a U.S. patent application therefor, having Serial No. **16/012,478**, and filing date of **June 19, 2018** and a PCT patent application therefor, having International Application No. **PCT/US2018/038288**, and filing date of **June 19, 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.

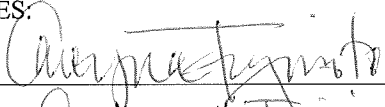
4. Said Inventors hereby warrants and represents that he/she has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

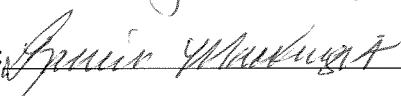
IN WITNESS WHEREOF, the said Inventors has executed and delivered this instrument to said Assignee.

Date 7/9/18

By:   
**Mathew G. MILLER**

WITNESSES:

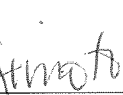
Signature:   
Printed Name: Careyna Fujimoto

Signature:   
Printed Name: Kameron Mackintosh

Date 7/9/18

By:   
**Chipping CHNG**

WITNESSES:

Signature:   
Printed Name: Careyna Fujimoto

Signature:   
Printed Name: Kameron Mackintosh

Date 06/25/18

By:   
**Oscar ALVIZO**

WITNESSES:

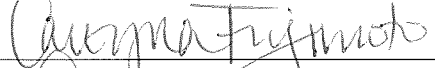
Signature:   
Printed Name: Careyna Fujimoto

Signature:   
Printed Name: Kameron Mackintosh

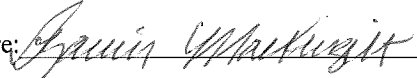
Date 07/11/18

By:   
**Melissa Ann MAYO**

WITNESSES:

Signature: 

Printed Name: Careyna Fujimoto

Signature: 

Printed Name: KAMRAN MACKOWIAK

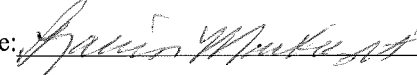
Date 27 June 2018

By:   
**James Nicholas RIGGINS**

WITNESSES:


Signature: 

Printed Name: Careyna Fujimoto


Signature: 

Printed Name: KAMRAN MACKOWIAK

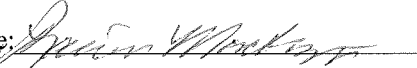
Date 02 July 2018

By:   
**Xiang YI**

WITNESSES:

Signature: 

Printed Name: Careyna Fujimoto

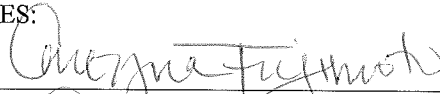
Signature: 

Printed Name: KAMRAN MACKOWIAK

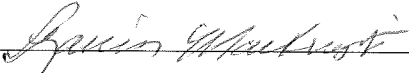
Date 6/27/2018

By:   
**Jonathan S. PENFIELD**

WITNESSES:

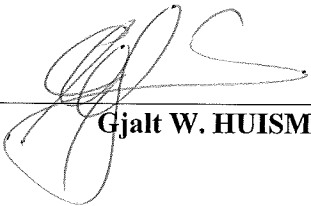
Signature: 

Printed Name: Careyna Fujimoto

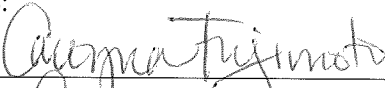
Signature: 

Printed Name: KAMRON MACKNIGHT

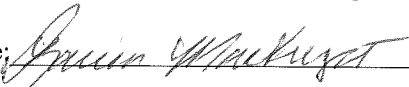
Date 8/2/2018

By:   
**Gjal W. HUISMAN**

WITNESSES:

Signature: 

Printed Name: Careyna Fujimoto

Signature: 

Printed Name: KAMRON MACKNIGHT