

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3447002

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID DAVIS	07/14/2015
GEORGE RUDENKO	07/14/2015
ARAVIND SOMANCHI	07/13/2015
JASON CASOLARI	07/13/2015
SCOTT FRANKLIN	07/21/2015
AREN EWING	07/14/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SOLAZYME, INC.
<b>Street Address:</b>	225 GATEWAY BOULEVARD
<b>Internal Address:</b>	SOLAZYME, INC.
<b>City:</b>	SOUTH SAN FRANCISCO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94080
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14796406
<b>PCT Number:</b>	US2015039951
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	650-780-4777
<b>Email:</b>	tsmith@solazyme.com
<b>Correspondent Name:</b>	TIMOTHY SMITH
<b>Address Line 1:</b>	225 GATEWAY BOULEVARD
<b>Address Line 2:</b>	SOLAZYME, INC.
<b>Address Line 4:</b>	SOUTH SAN FRANCISCO, CALIFORNIA 94080
<b>ATTORNEY DOCKET NUMBER:</b>	1409A01-X01WO
<b>NAME OF SUBMITTER:</b>	TIMOTHY SMITH
<b>SIGNATURE:</b>	/timothy smith/

PATENT

<b>DATE SIGNED:</b>	07/21/2015
<b>Total Attachments: 4</b> source=assign signed-complete#page1.tif source=assign signed-complete#page2.tif source=assign signed-complete#page3.tif source=assign signed-complete#page4.tif	

## ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, David Davis, George Rudenko, Aravind Somanchi, Jason Casolari, Scott Franklin, and Aren Ewing hereinafter referred to as "Assignors," are the inventors of the invention(s) described and set forth in the below-identified patent application(s):

Title of Invention: Novel Ketoacyl ACP Synthase Genes and Uses Thereof  
Filing Date: July 10, 2015  
Application No: 14/796,406

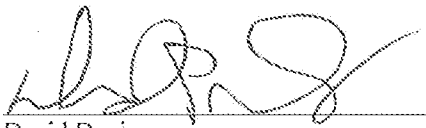
Title of Invention: Novel Ketoacyl ACP Synthase Genes and Uses Thereof  
Filing Date: July 10, 2015  
Application No: PCT/US2015/039951

WHEREAS, Solazyme, Inc., a corporation duly organized under and pursuant to the laws of Delaware, and having its principal place of business at 225 Gateway Boulevard, South San Francisco, California 94080, hereinafter referred to as "ASSIGNEE," is desirous of acquiring all of Assignors' right, title, and interest in and to said invention(s) and application(s), the right to file applications on said invention(s), and the right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over unto the Assignee, and Assignees' successors, legal representatives, and assigns, all of the Assignors' right, title, and interest in and to the above-mentioned invention(s) and application(s), the right to file applications on said invention(s), and the right, title and interest in and to any applications, for Letters Patent of the United States or other countries claiming said invention(s), and any and all Letters Patent or Patents of the United States of America and all other countries that have been or may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, renewals, substitutions, conversions, continuations, and continuations-in-part of said application(s), and reissues, reexaminations, patent term adjustments, patent term extensions, prolongations and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had its sale and assignment not been made,

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said invention(s) or said application(s) for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said invention(s) in any country, including interference proceedings, and opposition proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue, reexamination, or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent or Patents for said invention(s), without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignors, its successors, legal representatives, and assigns.

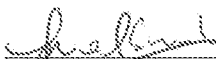
IN TESTIMONY WHEREOF, the Assignors have signed their name on the date indicated.

  
David Davis

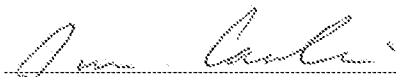
Dated: July 14, 2015

George Rudenko


Dated: \_\_\_\_\_

  
Arayind Somanchi


Dated: Jul 13, 2015

  
Jason Casolari

Dated: July 13, 2015

  
Scott Franklin

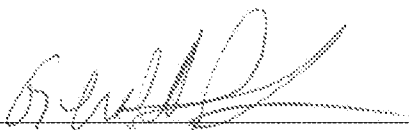
Dated: July 21, 2015

  
Aren Ewing

Dated: 7/19/15

RECEIVED AND HEREBY ACCEPTED by Assignee:

Date: 21 July 2015

  
Gerald Suh  
Assistant Secretary

**ASSIGNMENT OF PATENT APPLICATION****JOINT**

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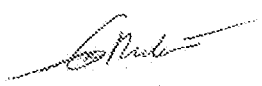
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over unto the Assignee, and Assignees' successors, legal representatives, and assigns, all of the Assignors' right, title, and interest in and to the above-mentioned invention(s) and application(s), the right to file applications on said invention(s), and the right, title and interest in and to any applications, for Letters Patent of the United States or other countries claiming said invention(s), and any and all Letters Patent or Patents of the United States of America and all other countries that have been or may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, renewals, substitutions, conversions, continuations, and continuations-in-part of said application(s), and reissues, reexaminations, patent term adjustments, patent term extensions, prolongations and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had its sale and assignment not been made,

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said invention(s) or said application(s) for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said invention(s) in any country, including interference proceedings, and opposition proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue, reexamination, or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent or Patents for said invention(s), without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignors, its successors, legal representatives, and assigns.

IN TESTIMONY WHEREOF, the Assignors have signed their name on the date indicated.

\_\_\_\_\_  
David Davis

Dated: \_\_\_\_\_

  
\_\_\_\_\_  
George Rudenko

Dated: July 14, 2015

\_\_\_\_\_  
Aravind Somanchi

Dated: \_\_\_\_\_

\_\_\_\_\_  
Jason Casolari

Dated: \_\_\_\_\_

\_\_\_\_\_  
Scott Franklin

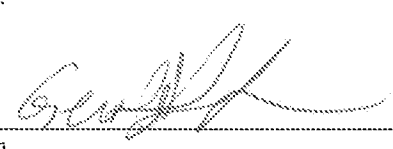
Dated: \_\_\_\_\_

\_\_\_\_\_  
Aren Ewing

Dated: \_\_\_\_\_

RECEIVED AND HEREBY ACCEPTED by Assignee:

Date: 21 July 2015

  
\_\_\_\_\_  
Gerald Suh  
Assistant Secretary