

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2802327

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DEBORAH KNUTZON	08/04/1998
PRADIP MUKERJI	08/04/1998
YUNG-SHENG HUANG	08/04/1998
JENNIFER THURMOND	08/04/1998
SUNITA CHAUDHARY	08/06/1998
AMANDA EUN-YEONG LEONARD	08/04/1998
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CALGENE LLC
<b>Street Address:</b>	1920 FIFTH STREET
<b>City:</b>	DAVIS
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95616
<b>Name:</b>	ABBOTT LABORATORIES
<b>Street Address:</b>	100 ABBOTT PARK ROAD
<b>Internal Address:</b>	PATENT & TRADEMARK DEPT., D377, AP6A-1
<b>City:</b>	ABBOTT PARK
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60064
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	12414274
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(216)241-0816
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	6146217761
<b>Email:</b>	ipupdate@calfee.com
<b>Correspondent Name:</b>	CHRISTOPHER M. JACKSON
<b>Address Line 1:</b>	CALFEE, HALTER & GRISWOLD LLP
<b>Address Line 2:</b>	1405 EAST SIXTH STREET
<b>Address Line 4:</b>	CLEVELAND, OHIO 44114-1607
<b>502755731</b>	<b>PATENT</b>
<b>REEL: 032613</b>	<b>FRAME: 0303</b>

<b>ATTORNEY DOCKET NUMBER:</b>	6283USD3 (35629/04065)
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER M. JACKSON
<b>SIGNATURE:</b>	/Christopher Jackson/
<b>DATE SIGNED:</b>	04/07/2014
<b>Total Attachments: 6</b> source=02462293#page2.tif source=02462293#page3.tif source=02462293#page4.tif source=02462293#page5.tif source=02462293#page6.tif source=02462293#page7.tif	

Attorney Docket No. CGAB-210 USA

ASSIGNMENT

WHEREAS, WE, DEBORAH KNUTZON, PRADIP MUKERJI, YUNG-SHENG HUANG, JENNIFER THURMOND, SUNITA CHAUDHARY and AMANDA EUN-YEONG LEONARD hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: METHODS AND COMPOSITIONS FOR SYNTHESIS OF LONG CHAIN POLYUNSATURATED FATTY ACIDS

Application (Declaration/Oath) Execution Date: 08/04/98; 08/04/98; 08/04/98/ 08/04/98; 08/06/98; and  
Filing Date: / Application No.: \_\_\_\_\_ 08/04/98

Herewith

WHEREAS, CALGENE LLC, a corporation of the State of California, 1920 Fifth Street, Davis, California 95616 and ABBOTT LABORATORIES, a corporation of the State of Illinois, 100 Abbott Park Road, Abbott Park, Illinois 60064-3500 hereinafter referred to as "ASSIGNEES", are desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignees, and Assignees' successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignees as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

Assignors further agree that they will, without charge to said Assignees, but at Assignees' expense, cooperate with Assignees in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignees lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignees, or Assignees' successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 8/4/98

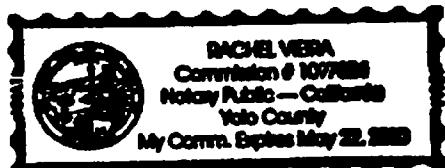
Deborah Knutzon  
DEBORAH KNUTZON

State of CALIFORNIA

County of YOLO

On 8-4-98 before me, RACHEL VIEIRA

personally appeared DEBORAH KNUTZON personally known to me or proved to me on the basis of satisfactory evidence to be the person ~~(s)~~ whose name ~~(s)~~ is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature ~~(s)~~ on the instrument the person ~~(s)~~, or the entity upon behalf of which the person ~~(s)~~ acted, executed the instrument.



WITNESS my hand and official seal.

Rachel Vieira  
Signature of Notary

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 8/4/98

Pradip Mukerji  
PRADIP MUKERJI

State of OHIO

County of FRANKLIN

On 4 AUGUST 1998 before me, TINA B. ZIANS

personally appeared PRADIP MUKERJI personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Tina B. Zians  
Signature of Notary

SEAL

TINA B. ZIANS  
NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES JAN. 5, 2002

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 8/4/98

Y-S. Huang  
YUNG-SHENG HUANG

State of OHIO

County of FRANKLIN

On 4 AUGUST 1998 before me, TINA B. ZIANS

personally appeared Y.S. HUANG, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Tina B. Zians  
Signature of Notary

SEAL

TINA B. ZIANS  
NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES JAN. 5, 2002

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 8-4-98

Jennifer Thurmond  
JENNIFER THURMOND

State of OHIO

County of FRANKLIN

On 4 AUGUST 1998 before me, TINA B. ZIANS

personally appeared JENNIFER THURMOND personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Tina B. Zians  
Signature of Notary

SEAL

TINA B. ZIANS  
NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES JAN. 5, 2002

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: \_\_\_\_\_

\_\_\_\_\_  
SUNITA CHAUDHARY

State of \_\_\_\_\_

County of \_\_\_\_\_

On \_\_\_\_\_ before me, \_\_\_\_\_

personally appeared \_\_\_\_\_, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
Signature of Notary

SEAL

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: \_\_\_\_\_

JENNIFER THURMOND

State of \_\_\_\_\_

County of \_\_\_\_\_

On \_\_\_\_\_ before me, \_\_\_\_\_,

personally appeared \_\_\_\_\_ personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary

SEAL

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 8/6/98

SUNITA CHAUDHARY

State of Texas

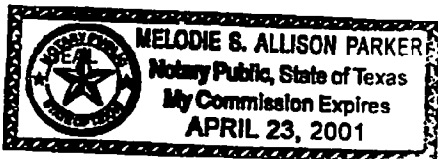
County of Harris

On August 6, 1998 before me, Melodie S. Allison Parker,

personally appeared Sunita Chaudhary personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary



IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 8-4-98

Amanda Eun-Young Leonard  
AMANDA EUN-YEONG LEONARD

State of OHIO

County of FRANKLIN

On 4 AUGUST 1998 before me, TINA B. ZIANS

personally appeared AMANDA E. LEONARD, personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Tina B. Zians  
Signature of Notary

SEAL

TINA B. ZIANS  
NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES JAN. 5, 2002

After Recordation, please  
return Assignment to:  
Michael R. Ward, Esq.  
LIMBACH & LIMBACH L.L.P.  
2001 Ferry Building  
San Francisco, California 94111-4262  
(415) 433-4150