

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Gregg A. Howe	10/02/2003
Aya Itoh	10/10/2003
RECEIVING PARTY DATA	
Name:	Board of Trustees of Michigan State University
Street Address:	450 Administration Building
City:	East Lansing
State/Country:	MICHIGAN
Postal Code:	48824-1046
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11644264
CORRESPONDENCE DATA	
Fax Number:	(415)904-6510
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	4159046500
Email:	aaeverson@medlencarroll.com
Correspondent Name:	Medlen and Carroll, LLP
Address Line 1:	101 Howard Street, Suite 350
Address Line 4:	San Francisco, CALIFORNIA 94105
ATTORNEY DOCKET NUMBER:	MSU-14026
NAME OF SUBMITTER:	Abby Everson
Total Attachments: 3 source=assignsigned07768final#page1.tif source=assignsigned07768final#page2.tif source=1595final#page1.tif	

OP \$40.00 11644264

In accordance with C.F.R. 1.63(d)(iv), the attached
Assignment is to be used for Continuation Appln.
Entitled: **Divinyl Ether Synthase Gene and
Protein, and Uses Thereof**
Filed: 12/22/2006
Attorney Docket No. MSU-14026

PATENT
Attorney Docket No.: MSU-07768

ASSIGNMENT

WHEREAS, WE, Gregg A. Howe and Aya Itoh, hereinafter referred to as "ASSIGNOR," 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: **Divinyl Ether Synthase Gene, Protein and Uses Thereof**

Filing Date: **28 March 2003** Serial No.: **10/381,870**

WHEREAS, The Board of Trustees Operating Michigan State University, a Michigan corporation, 238 Administration Building, East Lansing, Michigan 48824-1046, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest in 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 and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to 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 ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE 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 perform such other acts as ASSIGNEE 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 ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this Assignment on the date indicated below.

Gregg A. Howe 10-02-03
Gregg A. Howe Date

Aya Itoh Date

STATE OF Michigan)
COUNTY OF Ingham) ss.

On this 2nd day of October, in the year of 2003, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.

Janyth M. Sherman
NOTARY PUBLIC

SEAL

JANYTH M. SHERMAN
Notary Public, Ingham County, MI
My Comm. Expires July 12, 2007

PATENT
REEL: 024829 FRAME: 0759

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NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to 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 ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE 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 perform such other acts as ASSIGNEE 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 ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this Assignment on the date indicated below.

Gregg A. Howe

Date

Aya Itoh

Date

October 10, 2003

STATE OF _____)

COUNTY OF _____)

ss.

On this 10 day of October, in the year of 2003, before me, the undersigned ^{witness} notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.

Yehi Ora

NOTARY PUBLIC

Witness

SEAL

RECORDATION FORM COVER SHEET		U.S. Department of Commerce Patent and Trademark Office
Form PTO-1595	PATENTS ONLY	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): Gregg A. Howe Aya Itoh	2. Name and address of receiving party(ies): Board of Trustees of Michigan State University 450 Administration Building East Lansing, MI 48824-1046	
Additional name(s) of conveying party(ies) attached? No	Additional name(s) & address(es) attached? No	
3. Nature of conveyance: Assignment Execution Date: 10/02/2003 10/10/2003		
4. Title of Invention: Divinyl Ether Synthase Gene and Protein, and Uses Thereof		
A. New Patent Application No.(s): 11/644,264	B. Patent No.(s): N.A.	
Additional numbers attached? No		
5. Name and address of party to whom correspondence concerning document should be mailed: Peter G. Carroll MEDLEN & CARROLL, LLP 101 Howard Street, Suite 350 San Francisco, California 94105	6. Total number of applications and patents involved: 1	
	7. Total fee(s): Payment in the amount of \$40 is submitted (\$40 Recordation fee).	
	8. Deposit Account Authorization: The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 08-1290 .	
DO NOT USE THIS SPACE		
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>		
Date: <u>August 12, 2010</u>	Signature: <i>Maha A. Hamdan</i>	
	Name: Maha A. Hamdan	
	Reg. No.: 43, 655	