

Form PTO-1595 (Rev. 09/04)  
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

## RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

### 1. Name of conveying party(ies)/Execution Date(s):

Joseph F. Krebs  
Paul S. Zomer  
Ian A. Tomlinson

Execution Date(s) 07/18/2003, 06/16/2003 and 06/12/2003

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

### 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

### 2. Name and address of receiving party(ies)

Name: Dow Global Technologies Inc.

Internal Address: \_\_\_\_\_

Street Address: Washington Street

1790 Building

City: Midland

State: Michigan

Country: United States

Zip: 48674

Additional name(s) & address(es) attached? ☐ Yes ☒ No

### 4. Application or patent number(s):

A. Patent Application No.(s)

10/971,144

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

### 5. Name and address to whom correspondence concerning document should be mailed:

Name: King & Spalding LLP

Internal Address: Attn: Brent R. Bellows

Street Address: 191 Peachtree Street

45th Floor

City: Atlanta

State: Georgia

Zip: 30303-1763

Phone Number: (404) 572-4600

Fax Number: (404) 572-5145

Email Address: mbialr@kslaw.com

### 6. Total number of applications and patents involved:

1

### 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

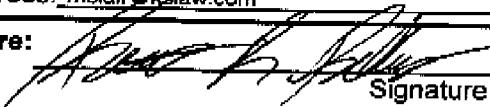
### 8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 11-0980

Authorized User Name Brent R. Bellows

### 9. Signature:



Signature

February 8, 2005

Date

Brent R. Bellows

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

8

Documents to be recorded (including cover sheet) should be faxed to (703) 306-6995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 110980 10971144

700152242

PATENT  
REEL: 015679 FRAME: 0783

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date.

FORM 110 (R 5/97)

Docket Ref. 61727A

## INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (WITH PRIORITY RIGHTS)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled:

### LOW-COST PRODUCTION OF PEPTIDES

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we, by virtue of my/our employee agreement(s) and contractual agreement(s) between our employer(s) and Dow Global Technologies Inc., hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for Dow Global Technologies Inc. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work from my/our employer, I/we sell, assign and transfer unto:

**DOW GLOBAL TECHNOLOGIES INC.**  
Washington Street  
1790 Building  
Midland, Michigan 48674  
United States of America

a corporation organized and existing under the laws of the State of DELAWARE, U.S.A. (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the

Application No. PCT/US03/12407 Filing Date April 22, 2003

in country International

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request; and I/we do hereby authorize Assignee or its designee (or nominee(s)) to insert here any corresponding equivalent

Application No. \_\_\_\_\_ Filing Date \_\_\_\_\_  
in country \_\_\_\_\_

to the above Priority application of any country where that country's patent property must be identified and entered hereinabove for recordal of this Assignment. I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At: Austin, TX  
this 18th day of July, 2003  
Effective as of April 22, 2003

Signature: [Signature]  
Full Name: Joseph F. Krebs  
Residence: 41413 Cutulla Drive  
Austin, Texas 78739  
Country: United States of America  
Citizenship: United States of America  
P. O. Address: Same as Residence  
Employed By: The Dow Chemical Company\*  
Of Country: United States of America  
\*At the time of invention

At: Midland, Michigan 48674, USA  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
Effective as of April 22, 2003

Signature: \_\_\_\_\_  
Full Name: Ian A. Tomlinson  
Residence: 4415 Andre Street  
Midland, Michigan 48642  
Country: United States of America  
Citizenship: United States of America  
P. O. Address: Same as Residence  
Employed By: The Dow Chemical Company  
Of Country: United States of America

At: \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
Effective as of April 22, 2003

Signature: \_\_\_\_\_  
Full Name: Paul S. Zorner  
Residence: 3476 Camino Corte  
Carlsbad, California 92009  
Country: United States of America  
Citizenship: United States of America  
P. O. Address: Same as Residence  
Employed By: The Dow Chemical Company\*  
Of Country: United States of America  
\*At the time of invention

At: \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

Signature: \_\_\_\_\_  
Full Name: \_\_\_\_\_  
Residence: \_\_\_\_\_

Country: \_\_\_\_\_  
Citizenship: \_\_\_\_\_  
P. O. Address: Same as Residence  
Employed By: \_\_\_\_\_  
Of Country: \_\_\_\_\_

This Assignment 220 is in the ENGLISH language and has the same meaning in other languages with the same 220 number and R/Date.

This Assignment 220 is in the ENGLISH language and has the same meaning in other languages with the same 220 number and R/Date.

FORM 220

Docket Ref. 61727A

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA )  
STATE OF Texas ) SS  
County/Parish of Travis )

On this 18th day of July, 2003, personally appeared  
before me,

Joseph F. Krebs

known or identified to me to be the individual described in and who executed the  
foregoing document and acknowledged the same as a free act and deed for uses and  
purposes therein expressed.



*Katherine M. Mabry*  
Notary Public

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date.

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date.

FORM 110 (R 5/97)

Docket Ref. 61727A

# INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (WITH PRIORITY RIGHTS)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled:

## LOW-COST PRODUCTION OF PEPTIDES

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we, by virtue of my/our employee agreement(s) and contractual agreement(s) between our employer(s) and Dow Global Technologies Inc., hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for Dow Global Technologies Inc. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work from my/our employer, I/we sell, assign and transfer unto:

**DOW GLOBAL TECHNOLOGIES INC.**  
Washington Street  
1790 Building  
Midland, Michigan 48674  
United States of America

a corporation organized and existing under the laws of the State of DELAWARE, U.S.A. (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the

Application No. PCT/US03/12407 Filing Date April 22, 2003

in country International

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request; and I/we do hereby authorize Assignee or its designee (or nominee(s)) to insert here any corresponding equivalent

Application No. \_\_\_\_\_ Filing Date \_\_\_\_\_

in country \_\_\_\_\_

to the above Priority application of any country where that country's patent property must be identified and entered hereinabove for recordal of this Assignment. I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At: \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
Effective as of April 22, 2003

Signature: \_\_\_\_\_  
Full Name: Joseph F. Krebs  
Residence: 11413 Cutulla Drive  
Austin, Texas 78739  
Country: United States of America  
Citizenship: United States of America  
P. O. Address: Same as Residence  
Employed By: The Dow Chemical Company\*  
Of Country: United States of America  
\*At the time of invention

At: Midland, Michigan 48674, USA  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
Effective as of April 22, 2003

Signature: \_\_\_\_\_  
Full Name: Ian A. Tomlinson  
Residence: 4415 Andre Street  
Midland, Michigan 48642  
Country: United States of America  
Citizenship: United States of America  
P. O. Address: Same as Residence  
Employed By: The Dow Chemical Company  
Of Country: United States of America

At: Carlsbad, California  
this 14th day of June, 2003  
Effective as of April 22, 2003

Signature: [Signature]  
Full Name: Paul S. Zorner  
Residence: 3476 Camino Corte  
Carlsbad, California 92009  
Country: United States of America  
Citizenship: United States of America  
P. O. Address: Same as Residence  
Employed By: The Dow Chemical Company\*  
Of Country: United States of America  
\*At the time of invention

At: \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

Signature: \_\_\_\_\_  
Full Name: \_\_\_\_\_  
Residence: \_\_\_\_\_

Country: \_\_\_\_\_  
Citizenship: \_\_\_\_\_  
P. O. Address: Same as Residence  
Employed By: \_\_\_\_\_  
Of Country: \_\_\_\_\_

PATENT

REEL: 015679 FRAME: 0786

This Form 881 is in the ENGLISH language and has the same meaning in other languages with the same 881 number.

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FORM 881

Dow Case No. 61727A

**SUBSCRIBING WITNESS  
AFFIDAVIT OF EXECUTION  
OF AN ASSIGNMENT**

I, Paul S. Zorner

Whose full post office address is:

3476 Camino Arde  
Carlsbad, CA 92009

Make oath and say that I was personally present and did see:

Paul S. Zorner



Who is/are personally known or identified to me to be the inventor(s) named in the attached assignment, duly sign and execute the same for the purposes therein stated.

Signed at: Carlsbad, CA

On this 15th day of June, 2003

**SEE ATTACHED  
FOR OFFICIAL  
ACKNOWLEDGEMENT**

\_\_\_\_\_  
Subscribing Witness

**ALL-PURPOSE ACKNOWLEDGMENT**

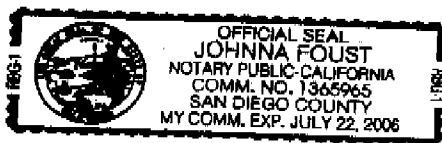
State of California

County of San Diego } ss.On June 16, 2003 before me, Johnna Foustpersonally appeared Paul Zorner (NOTARY)

SIGNER(S)

☐ personally known to me - OR -

☒ proved to me on the basis of satisfactory evidence to be the person (he) whose name (he) is (he) subscribed to the within instrument and acknowledged to me that (he) executed the same in (his) authorized capacity(ies), and that by (his) signatures (s) on the instrument the person (he) or the entity upon behalf of which the person (he) acted, executed the instrument.



WITNESS my hand and official seal.

Johnna Foust  
NOTARY'S SIGNATURE

**OPTIONAL INFORMATION**

The information below is not required by law. However, it could prevent fraudulent attachment of this acknowledgment to an unauthorized document.

**CAPACITY CLAIMED BY SIGNER (PRINCIPAL)**

- ☐ INDIVIDUAL  
☐ CORPORATE OFFICER

TITLE(S)

- ☐ PARTNER(S)  
☐ ATTORNEY-IN-FACT  
☐ TRUSTEE(S)  
☐ GUARDIAN/CONSERVATOR  
☐ OTHER:

SIGNER IS REPRESENTING:  
 NAME OF PERSON(S) OR ENTITY(IES)

**DESCRIPTION OF ATTACHED DOCUMENT**

Subscribing witness  
affidavit of execution of  
an assignment  
 TITLE OR TYPE OF DOCUMENT

NUMBER OF PAGES

DATE OF DOCUMENT

OTHER

RIGHT THUMBPRINT  
 OF  
 SIGNER

Top of thumbprint here

This Assignment 110 is in the ENGLISH language and has the same meaning in other languages with the same 110 number and R/Date.

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FORM 110 (R.5/97)

Docket Ref. 61727A

# INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (WITH PRIORITY RIGHTS)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled:

## LOW-COST PRODUCTION OF PEPTIDES

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we, by virtue of my/our employee agreement(s) and contractual agreement(s) between our employer(s) and Dow Global Technologies Inc., hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for Dow Global Technologies Inc. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work from my/our employer, I/we sell, assign and transfer unto:

**DOW GLOBAL TECHNOLOGIES INC.**  
Washington Street  
1790 Building  
Midland, Michigan 48674  
United States of America

a corporation organized and existing under the laws of the State of DELAWARE, U.S.A. (hereinafter referred to as the "Assignee"); my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the

Application No. PCT/US03/12407

in country International

Filing Date April 22, 2003

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request; and I/we do hereby authorize Assignee or its designee (or nominee(s)) to insert here any corresponding equivalent

Application No. \_\_\_\_\_

Filing Date \_\_\_\_\_

in country \_\_\_\_\_

to the above Priority application of any country where that country's patent property must be identified and entered hereinabove for record of this Assignment. I/we authorize Assignee or its designee to translate this Assignment into all languages necessary; and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At:	_____
this _____ day of _____, 20____	
Effective as of April 22, 2003	
Signature:	_____
Full Name:	Joseph F. Krebs
Residence:	11413 Cutulla Drive Austin, Texas 78739
Country:	United States of America
Citizenship:	United States of America
P. O. Address:	Same as Residence
Employed By:	The Dow Chemical Company*
Of Country:	United States of America
	*At the time of invention

At:	Midland, Michigan 48674, USA
this <u>12</u> day of <u>June</u> , 20 <u>03</u>	
Effective as of April 22, 2003	
Signature:	<u>Ian A. Tomlinson</u>
Full Name:	Ian A. Tomlinson
Residence:	4415 Andre Street Midland, Michigan 48642
Country:	United States of America
Citizenship:	United States of America
P. O. Address:	Same as Residence
Employed By:	The Dow Chemical Company
Of Country:	United States of America

At:	_____
this _____ day of _____, 20____	
Effective as of April 22, 2003	
Signature:	_____
Full Name:	Paul S. Zorner
Residence:	3476 Camino Corte Carlsbad, California 92009
Country:	United States of America
Citizenship:	United States of America
P. O. Address:	Same as Residence
Employed By:	The Dow Chemical Company*
Of Country:	United States of America
	*At the time of invention

At:	_____
this _____ day of _____, 20____	
Signature:	_____
Full Name:	_____
Residence:	_____
Country:	_____
Citizenship:	_____
P. O. Address:	Same as Residence
Employed By:	_____
Of Country:	_____

PATENT

REEL: 015679 FRAME: 0789

This Assignment 220 is in the ENGLISH language and has the same meaning in other languages with the same 220 number and R/Date

Docket Ref. 61727A

UNITED STATES OF AMERICA )  
STATE OF MICHIGAN ) SS  
County/Parish of Midland )

**Ian A. Tomlinson**

SEAL

Rebecca L. Linton  
Notary Public

**REBECCA S. LINTON**  
**NOTARY PUBLIC, SAGINAW COUNTY, MICHIGAN**  
**ACTING IN MICHIGAN COUNTY, MICHIGAN**  
**MY COMMISSION EXPIRES NOVEMBER 15, 2003**

**PATENT**  
**REEL: 015679 FRAME: 0790**  
\*\*\*TOTAL PAGE 10\*\*\*