



02-12-2002



102017028

Atty Docket No.: 211714US001/sbj

FORM PTO-1595  
1-31-92

RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): **2-6-02**  
Brigitte BATHE, Bettina MOECKEL, Walter PFERRERLE,  
Klaus HUTHMACHER, Christian RUECKERT, Joern  
KALINOWSKI, Alfred PUEHLER, Michael BINDER, Dieter  
GREISSINGER and Georg THIERBACH

2. Name and address of receiving party(ies):  
Name: DEGUSSA AG  
Address: Bennigsenplatz 1,  
DE-40474 Duesseldorf, Germany

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

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other : Corrected Recordation Form Cover Sheet  
Reel/Frame 012267/0225, Bar Code Number \*101884592A\*,  
to correct the assignee's address

Additional name(s) and address(es) attached?  Yes  No

Execution Date: August 9, 16, 13, 22, 13, 13, 13,  
15, 20 and 15, 2001

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

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)  
09/919,891

B. Patent No.(s)

Additional numbers attached?  Yes  No

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



**22850**  
Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 10/98)

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number: 15-0030  
(Attach duplicate copy of this page if paying by deposit account)

**DO NOT USE THIS SPACE**

9. Statement and signature

*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.*

Norman F. Oblon

Name of Person Signing

Signature

Date

Registration Number: 24,618

Total number of pages including this cover sheet: 9

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

02/11/2002 6TDM11 00000248 09919891

01 FEB 25 2002

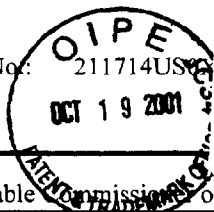
40.00 DP

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

**PATENT**  
**REEL: 012565 FRAME: 0888**

Atty Docket No: 211714US

FORM PTO-1595  
1-31-92



10-24-2001



101884592

10-19-01

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
1. Brigitte BATHE, 2. Bettina MOECKEL, 3. Walter PFEFFERLE, 4. Klaus HUTHMACHER, 5. Christian RUECKERT, 6. Joern KALINOWSKI, 7. Alfred PUEHLER, 8. Michael BINDER, 9. Dieter GREISSINGER and 10. Georg THIERBACH

2. Name and address of receiving party(ies):  
Name: DEGUSSA AG  
Address: Benningsenplatz 1  
DE-40474, Duesseldorf  
GERMANY

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


3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Dates: August 9, 2001, August 16, 2001, August 13, 2001, August 22, 2001, August 15, 2001 and August 20, 2001

Additional name(s) and address(es) attached?  Yes  No

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is:  
A. Patent Application No.(s)  
09/919,891

B. Patent No.(s)

Additional numbers attached?  Yes  No

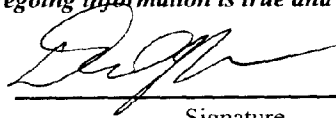
5. Name and address of party to whom correspondence concerning document should be mailed:  
  
**22850**

6. Total applications and patents involved: **1**  
7. Total fee (37 CFR 3.41): \$40.00  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number: 15-0030  
(Attach duplicate copy of this page if paying by deposit account)

**DO NOT USE THIS SPACE**

9. Statement and signature  
*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.*

Daniel J. Pereira, Ph.D.  
Name of Person Signing

  
Signature

10/18/01  
Date

Registration Number: 45,518

Total number of pages including this cover sheet: **6**

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

**PATENT**  
**REEL: 012565 FRAME: 0889**

**Assignment Of Application**

INSERT NAMES  
AND RESIDENCE  
ADDRESSES OF  
THE INVENTORS:

WHEREAS, I (WE) Brigitte BATHE, Twieten 1, DE-33154, Salzkotten,  
Germany; Bettina MOECKEL, Benrodestrasse 35, DE-40597, Duesseldorf,  
Germany; Walter PFEFFERLE, Jahnstrasse 33, DE-33790, Halle (Westf.),  
Germany; Klaus HUTHMACHER, Laerchenweg 18, DE-63584, Gelnhausen,  
Germany; Christian RUECKERT, Agnesstrasse 49, DE-33335, Guetersloh,  
Germany; Joern KALINOWSKI, Lenbachstrasse 19, DE-33615, Bielefeld,  
Germany; Alfred PUEHLER, Am Waldschloesschen 2, DE-33739, Bielefeld,  
Germany; Michael BINDER; Kalberkamp 28, DE-33803, Steinhagen (Westf.),  
Germany; Dieter GREISSINGER, Augasse 1f, DE-61194, Niddatal, Germany;  
Georg THIERBACH, Gunststrasse 21, DE-33613, Bielefeld, Germany

\_\_\_\_\_, respectively,

INSERT TITLE  
OF INVENTION:

have invented certain new and useful improvements in: \_\_\_\_\_

Nucleotide Sequence Which Code for the meth Gene

INSERT DATE IN-  
VENTORS SIGNED  
DECLARATION:

for which an application for Letters Patent was executed on August 9, 2001, August 16, 2001,  
August 13, 2001, August 15, 2001 and August 22, 2001  
 (Application No. 09/919,891, filed August 2, 2001), and

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE:

WHEREAS, DEGUSSA AG

(hereinafter referred to as "ASSIGNEE") having a place of business at: \_\_\_\_\_

Benningsenplatz 1, DE-40474, Duesseldorf, Germany

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the ~~same~~ for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 08/09/01

  
(Signature of Inventor) Brigitte BATHE

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

(Signature of Inventor) Bettina MOECKEL

Date: 08/13/01

  
(Signature of Inventor) Walter PFEFFERLE

Date: 08/22/01

  
(Signature of Inventor) Klaus HUTHMACHER

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

(Signature of Inventor) Christian RUECKERT

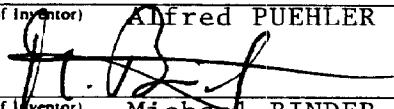
Date: \_\_\_\_\_

(Signature of Inventor) Joern KALINOWSKI

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

(Signature of Inventor) Alfred PUEHLER

Date: 08/15/01

  
(Signature of Inventor) Michael BINDER

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.**  
ATTORNEYS AT LAW  
FOURTH FLOOR  
1755 JEFFERSON DAVIS HIGHWAY  
ARLINGTON, VIRGINIA 22202

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: \_\_\_\_\_ (Signature of Inventor) Brigitte BATHE

Date: 08/16/2001 (Signature of Inventor) Bettina MOECKEL

Date: \_\_\_\_\_ (Signature of Inventor) Walter PFEFFERLE

Date: \_\_\_\_\_ (Signature of Inventor) Klaus HUTHMACHER

Date: \_\_\_\_\_ (Signature of Inventor) Christian RUECKERT

Date: \_\_\_\_\_ (Signature of Inventor) Joern KALINOWSKI

Date: \_\_\_\_\_ (Signature of Inventor) Alfred PUEHLER

Date: \_\_\_\_\_ (Signature of Inventor) Michael BINDER

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.**  
ATTORNEYS AT LAW  
FOURTH FLOOR  
1755 JEFFERSON DAVIS HIGHWAY  
ARLINGTON, VIRGINIA 22202

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

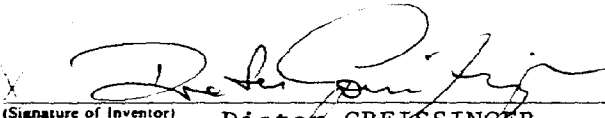
Date: _____	(Signature of Inventor) <u>Brigitte BATHE</u>
Date: _____	(Signature of Inventor) <u>Bettina MOECKEL</u>
Date: _____	(Signature of Inventor) <u>Walter PFEFFERLE</u>
Date: _____	(Signature of Inventor) <u>Klaus HUTHMACHER</u>
Date: 08/13/2001	(Signature of Inventor) <u>Christian RUECKERT</u>
Date: 08/13/2001	(Signature of Inventor) <u>Joern KALINOWSKI</u>
Date: 08/13/2001	(Signature of Inventor) <u>Alfred PUEHLER</u>
Date: _____	(Signature of Inventor) <u>Michael BINDER</u>

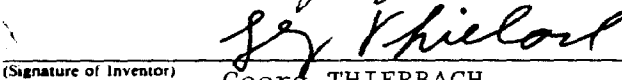
**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.**  
 ATTORNEYS AT LAW  
 FOURTH FLOOR  
 1755 JEFFERSON DAVIS HIGHWAY  
 ARLINGTON, VIRGINIA 22202

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 08/20/01  
(Signature of Inventor)   
Dieter GREISSINGER

Date: 08/15/01  
(Signature of Inventor)   
Georg THIERBACH

Date: \_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_  
(Signature of Inventor)

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.**  
ATTORNEYS AT LAW  
FOURTH FLOOR  
1755 JEFFERSON DAVIS HIGHWAY  
ARLINGTON, VIRGINIA 22202

211714450x

JANUARY 02, 2002

Chief Financial Officer and Chief Administrative Officer  
Washington, DC 20231  
www.uspto.gov

172  
PTAS  
OBLON, SPIVAK, MCCLELLAND, MAIER ET AL  
DANIEL J. PEREIRA, PH.D.  
ATTORNEYS AT LAW, FOURTH FLOOR  
1755 JEFFERSON DAVIS HIGHWAY  
ARLINGTON, VA 22202



\*101884592A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/19/2001

REEL/FRAME: 012267/0225

NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BATHE, BRIGITTE

DOC DATE: 08/09/2001

ASSIGNOR:

MOECKEL, BETTINA

DOC DATE: 08/16/2001

ASSIGNOR:

PFEFFERLE, WALTER

DOC DATE: 08/13/2001

ASSIGNOR:

HUTHMACHER, KLAUS

DOC DATE: 08/22/2001

ASSIGNOR:

RUECKERT, CHRISTIAN

DOC DATE: 08/13/2001

ASSIGNOR:

KALINOWSKI, JOERN

DOC DATE: 08/13/2001

ASSIGNOR:

PUEHLER, ALFRED

DOC DATE: 08/13/2001

**RECEIVED**  
JAN 07 2002

OBLON, SPIVAK, MCCLELLAND  
MAIER, PEREIRA, PH.D.  
ATTORNEYS AT LAW, P.C.



ASSIGNOR:  
BINDER, MICHAEL

DOC DATE: 08/15/2001

ASSIGNOR:  
GREISSINGER, DIETER

DOC DATE: 08/20/2001

ASSIGNOR:  
THIERBACH, GEORG

DOC DATE: 08/15/2001

ASSIGNEE:  
DEGUSSA AG  
BENNINGSENPLATZ 1  
DE-40474, DUESSELDORF  
FED REP  
GERMANY

SERIAL NUMBER: 09919891  
PATENT NUMBER:

FILING DATE: 08/02/2001  
ISSUE DATE:

MARY BENTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS