



07-12-2002

Atty Docket No.: 203975US0X/ca



FORM PTO-1595 1-31-92

WRD 7/8/02

RECORDATION PATENT

102152516

J.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.

COLLECTIVE

1. Name of conveying party(ies):  
Bettina MOECKEL, Caroline KREUTZER and Brigitte BATHE

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 012449/0761, Bar Code Number \*101947130A\*,  
to correct the 2nd and 3rd Assignors' doc. dates and the  
Assignee's address.

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

Execution Date: August 13, July 12 and 12, 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)  
09/903,771

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

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)



22850

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

7/8/02

Date

Registration Number: 24,618

Roland E. Martin  
Registration No. 48,082

Total number of pages including this cover sheet: 8

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

07/11/2002 BBYRNE 00000124 09903771

01 FC:581

40.00 OP

PATENT  
REEL: 012905 FRAME: 0092

01-10-2



01-15-2002

DS



101947130

Atty Docket No.: 203975US0X/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):

Bettina MOECKEL, Caroline KREUTZER and Brigitte BATHE

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

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

Name: DEGUSSA AG

Address: Benningensplatz 1  
DE-40474 Duesseldorf, GERMANY

3. Nature of Conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other : Corrected Recordation Form Cover Sheet

Reel/Frame 012228/0708, Bar Code Number \*101870365A\*,  
to correct the 1st and 3rd assignors' doc dates.

Execution Date: August 13, July 12 and 12, 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)  
09/903,771

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

Registration Number: 24,618

WILLIAM E. BEAUMONT

*William E. Beaumont*  
REGISTRATION NUMBER 30,996  
REGISTRATION NUMBER 30,996  
Signature

*January 10, 2002*  
Date

Total number of pages including this cover sheet: 8

Do not detach this portion

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

01/14/2002 TDIAZ1 00000502 09903771

01 FC:581

40.00 OP

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

PATENT  
REEL: 012905 FRAME: 0093

# Assignment Of Application

WHEREAS, I (WE) Bettina MOECKEL; Caroline KREUTZER and  
Brigitte BATHE

INSERT NAMES  
OF RESIDENCE  
ADDRESSES OF  
THE INVENTORS:

of: Benrodestrasse 35, DE-40597 Duesseldorf, GERMANY:  
Poststrasse 16, DE-49326 Melle, GERMANY; and  
Twieten 1, DE-33154 Salzkotten, GERMANY

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

INSERT TITLE  
OF INVENTION:

have invented certain new and useful improvements in: NUCLEOTIDE SEQUENCES  
CODING FOR THE luxR GENE

INSERT DATE IN-  
VENTORS SIGNED  
DECLARATION:

for which an application for Letters Patent was executed on \*See Below  
(Application No. 09/903,771, filed July 13, 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.

\* July 12, 2001; July 12, 2001 and August 13, 2001

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: 08/13/2001 *Bettina Moeckel*  
(Signature of Inventor) Bettina MOECKEL

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

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

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

# Assignment Of Application

Page 1 of 2

WHEREAS, I (WE) Bettina MOECKEL; Caroline KREUTZER and  
Brigitte BATHE

INSERT NAMES  
AND RESIDENCE  
ADDRESSES OF  
THE INVENTORS:

of: Benrodestrasse 35, DE-40597 Duesseldorf, GERMANY:

Poststrasse 16, DE-49326 Melle, GERMANY; and

Twieten 1, DE-33154 Salzkotten, GERMANY

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

INSERT TITLE  
OF INVENTION:

have invented certain new and useful improvements in: NUCLEOTIDE SEQUENCES  
CODING FOR THE luxR GENE

INSERT DATE IN-  
VENTORS SIGNED  
DECLARATION:

for which an application for Letters Patent was executed on \*See Below

(Application No. 09/903,771, filed July 13, 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.

\* July 12, 2001; July 12, 2001 and August 13, 2001

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) Bettina MOECKEL

Date: 07/12/01 \_\_\_\_\_ (Signature of Inventor) Caroline KREUTZER

Date: 07/12/01 \_\_\_\_\_ (Signature of Inventor) Brigitte BATHE

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