

03-07-2002



102005959

Atty Docket No.: 211736US0X/vdm

FORM PTO-1595
1-31-92

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

1. Name of conveying party(ies):

Brigitte BATHE, Walter PFEFFERLE, Klaus HUTHMACHER,
Christian RUECKERT, Joern KALINOWSKI, Alfred
PUEHLER, Michael BINDER, Dieter GREISSINGER and
Georg THIERBACH

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 012316/0824, Bar Code Number *101901695A*,
to correct the Assignee's Address

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

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

Name: DEGUSSA AG

Address: Bennigsenplatz 1,
DE-40474, Duesseldorf, Germany

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)

09/919,831

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
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8. Deposit account number: 15-0030

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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

Signature
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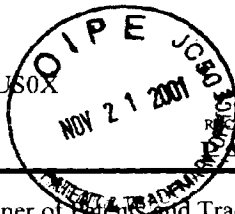
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PATENT
REEL: 012629 FRAME: 0949

Atty Docket No.: 211736US0X

FORM PTO-1595
1-31-92



11-27-2001
101901695

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): 11-21-01

1. Brigitte BATHE; 2. Walter PFEFFERLE; 3. Klaus HUTHMACHER; 4. Christian RUECKERT; 5. Joern KALINOWSKI; 6. Alfred PUEHLER; 7. Michael BINDER; 8. Dieter GREISSINGER; 9. Georg THIERBACH

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

August 9, 2001; August 13, 2001;
August 15, 2001; August 20, 2001;

Execution Date: August 22, 2001

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

Name: DEGUSSA AG

Address: Benningssenplatz 1
DE-40474, Duesseldorf
GERMANY

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)

09/919,831

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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



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6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

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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

Registration Number: 45,518

Signature

11/20/01
Date

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PATENT
REEL: 012629 FRAME: 0950

Assignment Of Application

Page 1 of 3

WHEREAS, I (WE) _____

Brigitte BATHE, Twieten 1, DE-33154, Salzkotten, 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 Sequences Which Code for the metR and metZ Genes

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:for which an application for Letters Patent was executed on August 9, 2001, August 13, 2001,
August 15, 2001, August 20, 2001 and August 22, 2001(Application No. 09/919,831, filed August 2, 2001), andINSERT 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,

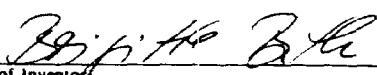
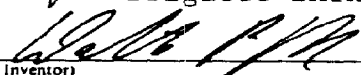
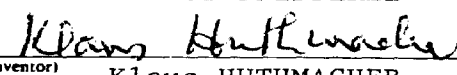
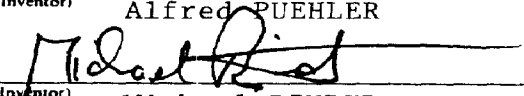
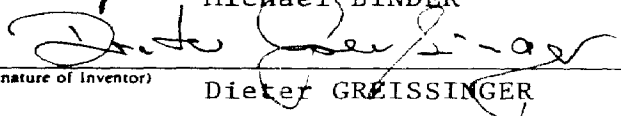
is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

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: <u>08/09/01</u>	<u></u> (Signature of Inventor) Brigitte BATHE
Date: <u>08/13/01</u>	<u></u> (Signature of Inventor) Walter PFEFFERLE
Date: <u>08/22/01</u>	<u></u> (Signature of Inventor) Klaus HUTHMACHER
Date: _____	_____ (Signature of Inventor) Christian RUECKERT
Date: _____	_____ (Signature of Inventor) Joern KALINOWSKI
Date: _____	_____ (Signature of Inventor) Alfred PUEHLER
Date: <u>08/15/01</u>	<u></u> (Signature of Inventor) Michael BINDER
Date: <u>08/20/01</u>	<u></u> (Signature of Inventor) Dieter GREISSINGER

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.

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Date: _____	(Signature of Inventor) _____ Brigitte BATHE
Date: _____	(Signature of Inventor) _____ Walter PFEFFERLE
Date: _____	(Signature of Inventor) _____ Klaus HUTHMACHER
Date: 08/13/2001	(Signature of Inventor) _____ Christian RUECKERT
Date: 08/13/2001	(Signature of Inventor) _____ Joern KALINOWSKI
Date: 08/13/2001	(Signature of Inventor) _____ Alfred PUEHLER
Date: _____	(Signature of Inventor) _____ Michael BINDER
Date: _____	(Signature of Inventor) _____ Dieter GREISSINGER

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Date: 108/15/01

(Signature of Inventor)

Georg Thierbach
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)

Date: _____

(Signature of Inventor)

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