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To the Director of the U.S. Patent and Trademark Office: Please record the a

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

- (1) Heinz RUPP
- (2) Bernd EISELE
- (3) Dieter ZIEGLER
- (4) Bodo JAEGER
- (5) Bernhard MAISCH

Execution Date(s) (1) December 13, 2004
(2) January 12, 2005
(3) December 20, 2004
(4) January 4, 2005
(5) December 16, 2004

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

2. Name and address of receiving party(ies)

Name: SOLVAY PHARMACEUTICALS GmbH

Street Address: Hans-Boeckler-Allee 20
30173 Hannover
GERMANY

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

3. Nature of conveyance:

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

4. Application number(s) or patent number(s): ☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/013,326

B. Patent Registration No.(s)

Additional number(s) attached? ☐ Yes ☒ No

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

Name: Crowell & Moring LLP

Street Address: Intellectual Property Group
PO Box 14300
Washington, DC 20044-4300

Phone Number: 202-624-2500

Fax Number: 202-628-8844

Email Address: _____

6. Total number of applications and patents involved

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☐ 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

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Expiration Date _____

b. Deposit Account Number 05-1323

Authorized User Name _____

9. Signature:

Signature

April 1, 2005

Date

J. D. Evans, Reg. No. 26,269

Christopher T. McWhinney, Reg. No. 42,875

Name of Person Signing

Total number of pages including cover
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Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
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PATENT
REEL: 016439 FRAME: 0018

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

**Solvay Pharmaceuticals GmbH
Hans-Boeckler-Allee 20
30173 Hannover, Germany**

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to: **METHOD FOR THE TREATMENT OF DISEASES REQUIRING INHIBITION OR A REDUCTION IN THE ACTIVITY OF PH VALUE-REGULATING BICARBONATE TRANSPORTER PROTEINS**

as set forth in his United States Patent Application (check one):

☒ executed concurrently herewith,
☐ executed on _____
☐ Serial No. _____ filed _____

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of CROWELL & MORING, L.L.P., or any partner thereof, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

13.12.2004
(date)

Heinz Rupp
(Signature of 1st inventor)
Heinz Rupp

M. J. J. J. J. J.
(signature of witness)

January 12, 2005
(date)

[Signature]
(Signature of 2nd inventor)
Bernd Eisele

Ingeborg Jacob
(signature of witness)

(date)

(Signature of 3rd inventor)
Dieter Ziegler

(signature of witness)

(date)

(Signature of 4th inventor)
Bodo Jaeger

(signature of witness)

(date)

(Signature of 5th inventor)
Bernhard Meisch

(signature of witness)

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

(date)

(Signature of 2nd inventor)
Bernd Eisele

(signature of witness)

Dec 20 2004
(date)

Dieter Ziegler
(Signature of 3rd inventor)
Dieter Ziegler

[Signature]
(signature of witness)

(date)

(Signature of 4th inventor)
Bodo Jaeger

(signature of witness)

(date)

(Signature of 5th inventor)
Bernhard Maisch

(signature of witness)

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(date)

(Signature of 2nd inventor)
Bernd Eisele

(signature of witness)

(date)

(Signature of 3rd inventor)
Dieter Ziegler

(signature of witness)

4.1.04

(date)

(Signature of 4th inventor)
Bodo Jaeger

(signature of witness)

(date)

(Signature of 5th inventor)
Bernhard Maisch

(signature of witness)

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(date)

(Signature of 2nd inventor)
Bernd Eisele

(signature of witness)

(date)

(Signature of 3rd inventor)
Dieter Ziegler

(signature of witness)

(date)

(Signature of 4th inventor)
Bodo Jaeger

(signature of witness)

16.12.04
(date)

B. Maisch
(Signature of 5th inventor)

Bernhard Maisch

M. J...
(signature of witness)

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