

10-18-2007



EET

103454389

OCT 15 2007

Patent and Trademark Office
For the Director of the U.S. Patent and Trademark Office

Send documents or the new address(es) below.

1. Name of conveying party(ies)

Richard Harkins, Deborah Parkes, Gordon Parry,
Douglas W. Schneider, Renate Steinbrecher

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

2. Name and address of receiving party(ies)

Name: Bayer Schering Pharma Aktiengesellschaft

Internal Address: _____

Street Address: 178 Muellerstrasse

City: Berlin

State: _____

Country: Germany Zip: D13342

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 2/9/01; 2/9/01; 2/15/01; 2/15/01; 2/21/01

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

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

10/616,279

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Mandel & Adriano

Internal Address: Suite 203

Street Address: 572 East Green Street

City: Pasadena

State: California Zip: 91101

Phone Number: (626) 395-7801

Fax Number: (626) 395-0694

Email Address: sbadriano@mandeladriano.com

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 fee)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

10/17/2007 10:16:27 40.00
00000027 103454389
1 TC: B02

9. Signature: Sarah B. Adriano
Signature

August 16, 2007
Date

Sarah B. Adriano
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 1

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

EXHIBIT 1

U.S. Serial No. 10/616,279

Recordation Form Cover
Sheet



To the Honorable Commission

Attached original documents or copy thereof.

1. Name of conveying party(ies):

101889867

Name and address of receiving party(ies)

Richard HARKINS, Deborah PARKES, Gordon PARRY, Douglas W. SCHNEIDER and Renate STEINBRECHER

Name: Schering Aktiengesellschaft

Internal Address:

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

10-12-01

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Street Address:

City: Berlin Country Germany

Execution Date: February 9, 2001, February 15, 2001 and February 21, 2001.

Additional name(s) & 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.: 09/732,357

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Wendy L. Washtien, Ph.D.

Internal Address: Legal Department

Berlex Biosciences

Street Address: 15049 San Pablo Avenue

P.O. Box 4099

City: Richmond State: California ZIP: 94804-0099

6. Total number of 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:

02-2117

DO NOT USE THIS SPACE

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct.

Wendy L. Washtien

Wendy L. Washtien

Oct 8, 2001

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 5

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignment, Washington, D.C. 20231

10/29/2001 6TON11 00000149 022117 09732357

01 FC:581 40.00 CH

Notary's Certificate According to Sec. 21 para. 1 sentence 1 no. 2

German Federal Ordinance for Notaries (BNotO)

Based on my inspection of today of the Commercial Register of the local court of Charlottenburg, Berlin, under number HR B 283 B, I certify that the name of

Schering Aktiengesellschaft

was changed by way of a resolution of the General Shareholders' Meeting of 13 September 2006 to

Bayer Schering Pharma Aktiengesellschaft.

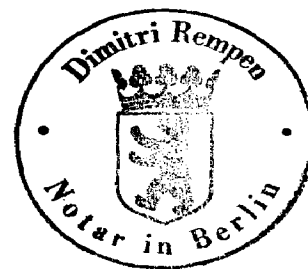
Section 1 sub-section 1 (Company Name) of the Articles of Association has been amended. The amendment took effect on 29 December 2006.

Berlin, this 6th day of June 2007



(Rempen)

Notary



PATENT

REEL: 020002 FRAME: 0819

EXHIBIT 2

U.S. Serial No. 10/616,279

Notary's Certificate

According to Sec. 21 para.

1 sentence 1 no. 2

German Federal

Ordinance for Notaries

(BNotO)

Whereas, we, Richard HARKINS, Deborah PARKES, Gordon PARRY, Douglas W. SCHNEIDER, and Renate STEINBRECHER, of Alameda, California, Hayward, California, Walnut Creek, California, Lafayette, California and Walnut Creek, California, respectively, have invented certain new and useful improvements (the invention) in

DNA ENCODING A NOVEL RG1 POLYPEPTIDE

which is described in an application for Letters Patent of The United States of America filed on 07 December 2000;

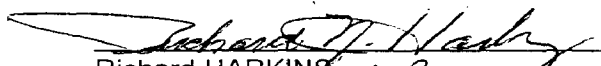
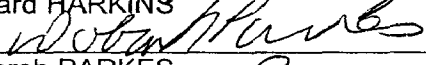
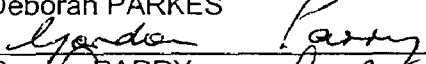


and whereas, Schering Aktiengesellschaft, having an address at Berlin, Germany, is desirous of acquiring an interest therein and in the Letters Patent to be obtained therefore from the United States;

Now, therefore, in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, Richard HARKINS, Deborah PARKES, Gordon PARRY, Douglas W. SCHNEIDER and Renate STEINBRECHER, do hereby assign, sell and transfer unto Schering Aktiengesellschaft, for the territory of The United States of America and for all foreign countries, the full and exclusive right, title and interest, including all rights under the Paris Convention for the Protection of Industrial Property, in and to said invention, as fully set forth and described in the specification of the application for Letters Patent of the United States executed by us or in any continuation, division, reissue, reexamination or extension thereof and any legal equivalent thereof in a country foreign to the United States of America; said invention, application(s) and Letters Patent(s) to be held and enjoyed by Schering Aktiengesellschaft, for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and legal representatives, 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 had this assignment and sale not been made.

This assignment is effective as of 16 December 1999.

In witness whereof, we, Richard HARKINS, Deborah PARKES, Gordon PARRY, Douglas W. SCHNEIDER and Renate STEINBRECHER, have signed and dated this Assignment.

1/9/01
Date
2/9/01
Date
2/07/01
Date
2/15/01
Date
2/21/01
Date


Richard HARKINS

Deborah PARKES

Gordon PARRY

Douglas W. SCHNEIDER

Renate STEINBRECHER

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

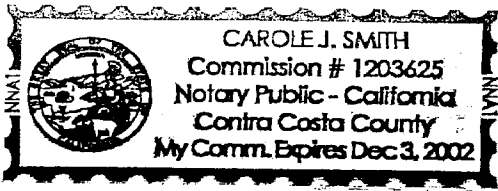
State of California

County of Contra Costa

On February 9, 2001 before me, Carole J. Smith, Notary Public
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Richard Harbous and Deborah Lishes
Name(s) of Signer(s)

personally known to me – OR – proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Carole J. Smith
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Patent Assignment S1791AUSM1

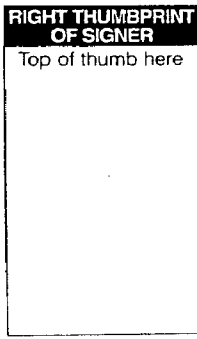
Document Date: December 16, 1999 Number of Pages: 1

Signer(s) Other Than Named Above: Gordon Parry, Douglas W Schneider and Kerate Steindorfer

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

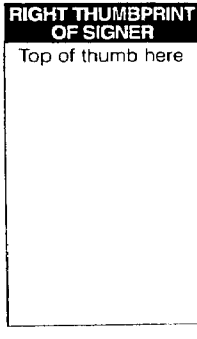
- Individual
- Corporate Officer
Title(s): _____
- Partner — Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer Is Representing:

Signer's Name: _____

- Individual
- Corporate Officer
Title(s): _____
- Partner — Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer Is Representing:

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

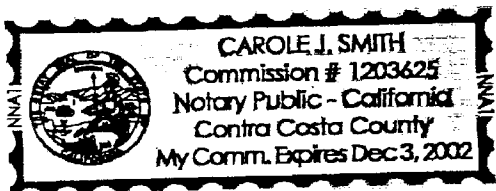
State of California

County of Contra Costa

On February 15, 2001 before me, Carole J. Smith, Notary Public
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Gordon Parry and Douglas W. Schneider
Name(s) of Signer(s)

personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Carole J. Smith
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Patent Assignment 51791 AOSM1

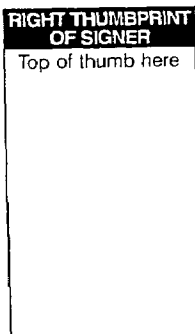
Document Date: December 16, 1999 Number of Pages: 1

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

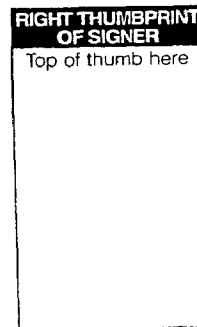
- Individual
- Corporate Officer
Title(s): _____
- Partner — Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer Is Representing:

Signer's Name: _____

- Individual
- Corporate Officer
Title(s): _____
- Partner — Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer Is Representing:

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

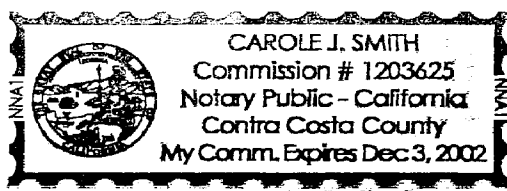
State of California

County of Contra Costa

On February 21, 2001 before me, Carole J. Smith, Notary Public
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Renate Steinbrecher
Name(s) of Signer(s)

personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Carole J. Smith
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Patent Assignment 51791 AUSMI

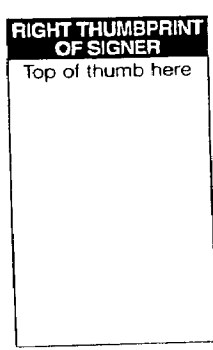
Document Date: December 16, 1999 Number of Pages: 1

Signer(s) Other Than Named Above: Richard Harkins, Deborah Parkes, Gordon Parry and Douglas W. Schneider

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

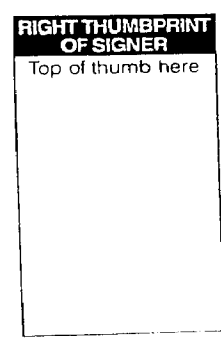
- Individual
- Corporate Officer
Title(s): _____
- Partner — Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer Is Representing: _____

Signer's Name: _____

- Individual
- Corporate Officer
Title(s): _____
- Partner — Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer Is Representing: _____

EXHIBIT 3

U.S. Serial No. 10/616,279
Recorded Assignments
from USPTO