

09-06-2006

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



103302433

To the Director of the U.S. Patent and Trademark Office: FILED

documents or the new address(es) below.

1. Name of conveying party(ies):

Robert SCHLEGEL (9/12/2002), Yan CHEN  
(9/6/2002), Xumei ZHAO (9/10/2002), John E.  
MONAHAN (9/6/2002),

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

2. Name and address of receiving party(ies)

MILLENNIUM PHARMACEUTICALS,  
INC.

Name: \_\_\_\_\_

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

40 Landsdowne Street

City: Cambridge

State: Massachusetts

Country: United States of America Zip: 02139

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

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

Execution Date(s): in parentheses after inventor name

☒ Assignment ☐ Merger ☐ Change of Name

☐ Security Agreement ☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other \_\_\_\_\_

4. Application or patent number(s):



This document is being filed together with a new application.

A. Patent Application No.(s)

This application

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Giulio A. DeConti, Jr.  
LAHIVE & COCKFIELD, LLP

Internal Address: Atty. Dkt.: MRI-035RCECN

Street Address: 28 State Street

City: Boston

State: MA Zip: 02109

Phone Number: (617) 227-7400

Fax Number: (617) 742-4214

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

a. Credit Card

Last 4 Numbers \_\_\_\_\_

Expiration Date \_\_\_\_\_

b. Deposit Account Number

12-0080

Authorized User Name

Giulio A. DeConti, Jr.

9. Signature:

*Maria Laccotripe Zacharakis*

Signature

August 25, 2006

Date

Maria Laccotripe Zacharakis, Ph.D., J.D. - 56,266

Name of Person Signing

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

Express Mail Label No. EV 608875465 US Dated: August 25, 2006

PATENT

REEL: 018253 FRAME: 0883

RECORDATION FORM COVER SHEET  
(continued)

## Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Shubhangi KAMATKAR (4/1/2004), Manjula GANNAVARAPU (9/9/2002), Karen GLATT (9/10/2002),  
and Sebastian HOERSCH (9/16/2002)

## Additional Assignees (2. Continued):

Assignee Name: \_\_\_\_\_

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_ Zip: \_\_\_\_\_

Assignee Name: \_\_\_\_\_

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_ Zip: \_\_\_\_\_

Assignee Name: \_\_\_\_\_

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_ Zip: \_\_\_\_\_

## Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers

4A. Continued:

Additional Patent Numbers

4B. Continued:

Additional numbers attached?

☐

Yes

☐

No

## ASSIGNMENT

We, Robert Schlegel of Auburndale, Massachusetts, Yan Chen of Cambridge, Massachusetts, Xumei Zhao of Burlington, Massachusetts, John E. Monahan of Walpole, Massachusetts, Shubangi Kamatkar of Newton, Massachusetts, Manjula Gannavarapu of Acton, Massachusetts, Karen Glatt of Natick, Massachusetts, and Sebastian Hoersch of Arlington, Massachusetts, in consideration of One Dollar and other valuable consideration paid to us by

### **Millennium Pharmaceuticals, Inc.**

a corporation of Delaware, having its principal place of business at 75 Sidney Street, Cambridge, MA 02109, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

### **Millennium Pharmaceuticals, Inc.**

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

### **NOVEL GENES, COMPOSITIONS, KITS AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF CERVICAL CANCER**

described in an application

☐ executed by us of even date herewith and about to be filed

☒ Serial No. 10/171,311, filed on June 12, 2002

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 12<sup>th</sup> day of September, 2002.

By: x R Schlegel  
Robert Schlegel

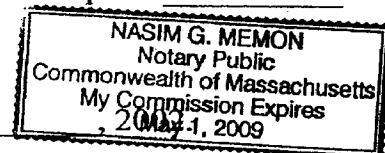
State of Massachusetts )ss  
County of Middlesex

Then personally appeared the above named Robert Schlegel and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 12<sup>th</sup> day of September, 2002.

Notary Public

My commission expires: May 1, 2009

WITNESS my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_



By: Yan Chen

State of \_\_\_\_\_ )  
 \_\_\_\_\_ )ss  
 County of \_\_\_\_\_ )

Then personally appeared the above named Yan Chen and acknowledged the foregoing instrument to be his/her free act and deed, before me, this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

Notary Public

My commission expires:

WITNESS my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

By: \_\_\_\_\_  
Robert Schlegel

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )ss  
County of \_\_\_\_\_ )

Then personally appeared the above named Robert Schlegel and acknowledged the foregoing instrument to be his/her free act and deed, before me, this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

WITNESS my hand and seal this x 6th day of x Sept., 2002.

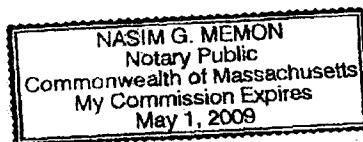
By: x Yan Chen  
Yan Chen

State of Massachusetts  
County of Middlesex )ss

Then personally appeared the above named Yan Chen and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 6th day of Sept., 2002.

Nasim G. Memon  
Notary Public

My commission expires: May 1, 2009



WITNESS my hand and seal this 10 day of September, 2002.

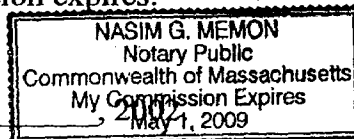
By: Xumei Zhao  
Xumei Zhao

State of Massachusetts  
County of Middlesex )ss

Then personally appeared the above named Xumei Zhao and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 10th day of Sept, 2002.

Nasim G. Memon  
Notary Public  
Mar 1, 2009

My commission expires:



WITNESS my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_

By: \_\_\_\_\_  
James E. Monahan

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )ss

Then personally appeared the above named James E. Monahan and acknowledged the foregoing instrument to be his/her free act and deed, before me, this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

WITNESS my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

By: \_\_\_\_\_  
Xumei Zhao

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )ss

Then personally appeared the above named Xumei Zhao and acknowledged the foregoing instrument to be his/her free act and deed, before me, this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

WITNESS my hand and seal this X 6 day of X SEPTEMBER, 2002.

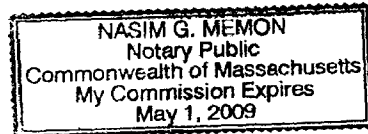
By: X John E Monahan  
James E. Monahan  
John  
9/6/02

State of Massachusetts  
County of Middlesex )ss

Then personally appeared the above named James E. Monahan and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 6th day of Sept., 2002.

Nasim G. Memon  
Notary Public

My commission expires: May 1, 2009

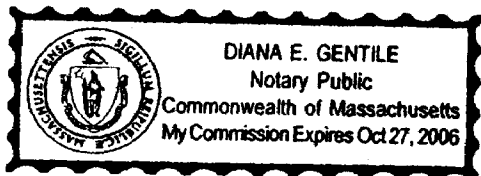


WITNESS my hand and seal this 1 day of April, 2004.

By: Shubhangi Kamatkar  
Shubhangi Kamatkar

State of Massachusetts )  
 )ss  
County of Middlesex )

Then personally appeared the above named Shubhangi Kamatkar and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 1st day of April, 2004.



Diana E. Gentile  
Notary Public

My commission expires: 10/27/2006

WITNESS my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

By: \_\_\_\_\_  
Manjula Gannavarapu

State of \_\_\_\_\_ )  
 )ss  
County of \_\_\_\_\_ )

Then personally appeared the above named Manjula Gannavarapu and acknowledged the foregoing instrument to be his/her free act and deed, before me, this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_



WITNESS my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

By: \_\_\_\_\_  
Shubanghi Kamatkar

State of \_\_\_\_\_ )  
  )ss  
County of \_\_\_\_\_ )

Then personally appeared the above named Shubanghi Kamatkar and acknowledged the foregoing instrument to be his/her free act and deed, before me, this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

WITNESS my hand and seal this x 9<sup>th</sup> day of x September, 2002.

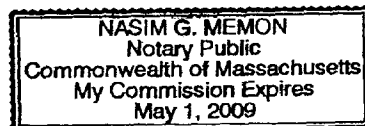
By: x [Signature]  
Manjula Gannavarapu

State of Massachusetts  
  )ss  
County of Middlesex

Then personally appeared the above named Manjula Gannavarapu and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 9<sup>th</sup> day of September, 2002.

[Signature]  
Notary Public

My commission expires: May 1, 2009



WITNESS my hand and seal this x 10th day of x September, 2002.

By: x Karen Glatt  
Karen Glatt

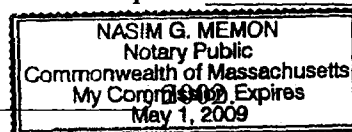
State of Massachusetts  
County of Middlesex )ss

Then personally appeared the above named Karen Glatt and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 10th day of September, 2002.

Nasim G. Memon  
Notary Public

My commission expires: May 1, 2009

WITNESS my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_



By: \_\_\_\_\_  
Sebastian Hoersch

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )ss

Then personally appeared the above named Sebastian Hoersch and acknowledged the foregoing instrument to be his/her free act and deed, before me, this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

WITNESS my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

By: \_\_\_\_\_  
Karen Glatt

State of \_\_\_\_\_ )  
  )ss  
County of \_\_\_\_\_ )

Then personally appeared the above named Karen Glatt and acknowledged the foregoing instrument to be his/her free act and deed, before me, this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

WITNESS my hand and seal this x 16<sup>th</sup> day of x September, 2002.

By: x [Signature]  
Sebastian Hoersch

State of Massachusetts )  
  )ss  
County of Middlesex

Then personally appeared the above named Sebastian Hoersch and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 16<sup>th</sup> day of September, 2002.

[Signature]  
Notary Public

My commission expires: May 1, 2009

