

05-29-2002



ASSIGNMENT

102104786

ER SHEET

Patents Only

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

Attorney's Docket No. 5800-59(35800/187926)

1. Name of conveying party(ies):

Rosana Kapeller-Libermann  
David White  
Inmaculada Silos-Santiago

5-24-02

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

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

Millennium Pharmaceuticals, Inc.  
75 Sidney Street  
Cambridge, MA 02139

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

3. Nature of conveyance:

- ☐ Assignment  
☐ Merger  
☐ Security Agreement  
☐ Change of Name  
☒ Other Correction of previously recorded Assignment  
at Reel 010522, Frame 0097 to correct Inventor's Name  
Execution Date: Kapeller-Libermann = 12/20/2000;  
White = 12/19/2000; Silos-Santiago = 12/21/2000

OFFICE OF PUBLIC RECORDS  
2002 MAY 29 AM 9:13  
FINANCE SECTION

4. Application No. 09/409,180, filed September 30, 1999

Patent No.

If this document is being filed together with a new application, the execution date of the application is:

Additional numbers attached? ☐ Yes ☒ No

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

ALSTON & BIRD LLP  
Bank of America Plaza  
101 South Tryon Street, Suite 4000  
Charlotte, NC 28280-4000

6. Total number of applications and patents involved: 1

05/28/2002 AMMED1 00000151 09409180

01 FC:381

40.00 00

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

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number: \_\_\_\_\_

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.*

Kathryn L. Coulter  
Name of Person Signing: Kathryn L. Coulter  
Reg. No. 45,889

May 10, 2002  
Date

Total number of pages including cover sheet, attachments, and document: 17

ASSI

02-17-2000

M COVER SHEET

Patents Only

To the Honorable Comm  
Please record the attached



101259595

Attorney Dkt. No.: 5800-59

1. Name of conveying party(ies)

Rosana Kapeller-Libermann  
David White  
Immaculada Silos-Santiago

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

Millennium Pharmaceuticals, Inc.  
75 Sidney Street  
Cambridge, MA 02139

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

3. Nature of conveyance:

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

Execution Date: Kapeller-Libermann 12/9/99  
White 12/8/99  
Silos-Santiago 12/9/99

Additional name(s) & address(es) attached? Yes ☐ No ☒4. Application No. 09/409,180

Patent No. \_\_\_\_\_

If this document is being filed together with a new application, the execution date of the application  
is: \_\_\_\_\_

Additional numbers attached? Yes ☐ No ☒

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

Anne Brown  
**ALSTON & BIRD LLP**  
P. O. Drawer 34009  
Charlotte, NC 28234-4009

6. Total number of applications and patents involved:

17. Total fee (37 CFR 3.41) \$40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number: 16-0605

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.*

Anne Brown, Reg. No. 36,463  
Name of Person Signing

Anne Brown  
Signature

12/27/99  
Date

Total number of pages including cover sheet, attachments and document: 10

02/04/2000 TT0N11 00000158 09409180

01 FC:581

40.00 DP

RTA01/2071954v1

PATENT  
REEL: 012922 FRAME: 0954

**ASSIGNMENT**

THIS ASSIGNMENT, made by us, Rosana Kapeller-Libermann, a citizen of Brazil, residing at 86 Beacon Street, Chestnut Hill, Massachusetts 02467, United States of America; David White, a citizen of the United States of America, residing at 393 Pine Street, Holbrook, MA 02343, United States of America; and Immaculada Silos-Santiago, a citizen of Spain, residing at 18 Hilliard Street, Cambridge, MA 02138, United States of America,

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in U.S. Patent Application No. 09/409,180 filed September 30, 1999, entitled 22196, A NOVEL HUMAN AMIONPEPTIDASE, and

WHEREAS, Millennium Pharmaceuticals, Inc., a Delaware corporation having a principal place of business at 75 Sidney Street, Cambridge, County of Middlesex, State of Massachusetts 02139, United States of America, hereinafter referred to as assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

WE hereby request that said Letters Patent be issued in accordance with this assignment.

WE further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

WE further covenant and agree to bind my heirs, legal representatives, and assigns promptly to communicate to said assignee or its representatives any facts known to me relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 9<sup>th</sup> day of December, 1999.

Rosana Kapeller-Libermann (SEAL)  
Rosana Kapeller-Libermann

STATE OF Massachusetts )  
 )  
COUNTY OF Middlesex )

I, Danielle Jeannette Comeau, a notary public for said County and State, do hereby certify that Rosana Kapeller-Libermann personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 9<sup>th</sup> day of December, 1999.

(Official Seal)

Danielle Jeannette Comeau  
Notary Public

My Commission Expires: October 21, 2005

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_\_ day of \_\_\_\_\_, 1999.

\_\_\_\_\_  
David White (SEAL)

STATE OF Massachusetts )  
 )  
COUNTY OF Middlesex )

I, Danielle Jeannette Comeau, a notary public for said County and State, do hereby certify that David White personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the \_\_\_\_\_ day of \_\_\_\_\_, 1999.

(Official Seal)

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

My Commission Expires: October 21, 2005

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_\_ day of \_\_\_\_\_, 1999.

\_\_\_\_\_  
Immaculada Silos-Santiago (SEAL)

STATE OF Massachusetts )  
 )  
COUNTY OF Middlesex )

I, Danielle Jeannette Comeau, a notary public for said County and State, do hereby certify that Immaculada Silos-Santiago personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the \_\_\_\_\_ day of \_\_\_\_\_, 1999.

(Official Seal)

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

My Commission Expires: October 21, 2005

## ASSIGNMENT

THIS ASSIGNMENT, made by us, Rosana Kapeller-Libermann, a citizen of Brazil, residing at 86 Beacon Street, Chestnut Hill, Massachusetts 02467, United States of America; David White, a citizen of the United States of America, residing at 35 Hollingsworth Avenue, Braintree, MA 02148, United States of America; and Immaculada Silos-Santiago, a citizen of Spain, residing at 18 Hilliard Street, Cambridge, MA 02138, United States of America,

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NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

WE hereby request that said Letters Patent be issued in accordance with this assignment.

WE further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

WE further covenant and agree to bind my heirs, legal representatives, and assigns promptly to communicate to said assignee or its representatives any facts known to me relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_\_ day of \_\_\_\_\_, 1999.

\_\_\_\_\_  
Rosana Kapeller-Libermann (SEAL)

STATE OF Massachusetts )  
 )  
COUNTY OF Middlesex )

I, Danielle Jeannette Comeau, a notary public for said County and State, do hereby certify that Rosana Kapeller-Libermann personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

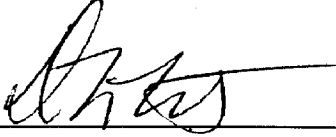
Witness my hand and official seal, this the \_\_\_\_\_ day of \_\_\_\_\_, 1999.

(Official Seal)

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

My Commission Expires: October 21, 2005

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 8<sup>th</sup> day of December, 1999.

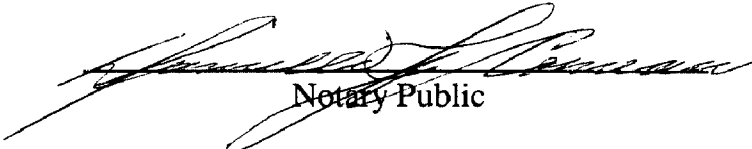
  
\_\_\_\_\_  
David White (SEAL)

STATE OF Massachusetts )  
 )  
COUNTY OF Middlesex )

I, Danielle Jeannette Comeau, a notary public for said County and State, do hereby certify that David White personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 8<sup>th</sup> day of December, 1999.

(Official Seal)

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

My Commission Expires: October 21, 2005

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_\_ day of \_\_\_\_\_, 1999.

\_\_\_\_\_  
Immaculada Silos-Santiago (SEAL)

STATE OF Massachusetts )  
 )  
COUNTY OF Middlesex )

I, Danielle Jeannette Comeau, a notary public for said County and State, do hereby certify that Immaculada Silos-Santiago personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the \_\_\_\_\_ day of \_\_\_\_\_, 1999.

(Official Seal)

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

My Commission Expires: October 21, 2005



**ASSIGNMENT**

THIS ASSIGNMENT, made by us, Rosana Kapeller-Libermann, a citizen of Brazil, residing at 86 Beacon Street, Chestnut Hill, Massachusetts 02467, United States of America; David White, a citizen of the United States of America, residing at 393 Pine Street, Holbrook, MA 02343, United States of America; and Immaculada Silos-Santiago, a citizen of Spain, residing at 18 Hilliard Street, Cambridge, MA 02138, United States of America,

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NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

WE hereby request that said Letters Patent be issued in accordance with this assignment.

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IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_\_ day of \_\_\_\_\_, 1999.

\_\_\_\_\_  
Rosana Kapeller-Libermann (SEAL)

STATE OF Massachusetts )  
 )  
COUNTY OF Middlesex )

I, Danielle Jeannette Comeau, a notary public for said County and State, do hereby certify that Rosana Kapeller-Libermann personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the \_\_\_\_\_ day of \_\_\_\_\_, 1999.

(Official Seal)

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

My Commission Expires: October 21, 2005

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\_\_\_\_\_  
(SEAL)  
David White

STATE OF Massachusetts )  
 )  
COUNTY OF Middlesex )

I, Danielle Jeannette Comeau, a notary public for said County and State, do hereby certify that David White personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

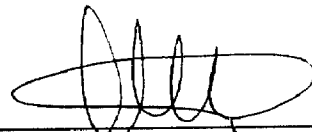
Witness my hand and official seal, this the \_\_\_\_\_ day of \_\_\_\_\_, 1999.

(Official Seal)

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

My Commission Expires: October 21, 2005

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this X 09 day of X December, 1999.

X   
(SEAL)  
Immaculada Silos-Santiago

STATE OF Massachusetts )  
 )  
COUNTY OF Middlesex )

I, Danielle Jeannette Comeau, a notary public for said County and State, do hereby certify that Immaculada Silos-Santiago personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 9th day of December, 1999.

(Official Seal)

  
Notary Public

My Commission Expires: October 21, 2005

**ASSIGNMENT**

THIS ASSIGNMENT, made by us, Rosana Kapeller-Libermann, a citizen of Brazil, residing at 86 Beacon Street, Chestnut Hill, Massachusetts 02467, United States of America; David White, a citizen of the United States of America, residing at 35 Hollingsworth Avenue, Braintree, MA 02148, United States of America; and Inmaculada Silos-Santiago, a citizen of Spain, residing at 18 Hilliard Street, Cambridge, MA 02138, United States of America;

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NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues, reexaminations, or extensions thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

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IN WITNESS WHEREOF, I have hereunto set my hand and seal on this X 20 day of X December, 2000.

Rosana Kapeller-Libermann (SEAL)  
Rosana Kapeller-Libermann

STATE OF Massachusetts )  
 )  
COUNTY OF Middlesex )

I, Danielle Jeannette Comeau, a notary public for said County and State, do hereby certify that Rosana Kapeller-Libermann personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 20<sup>th</sup> day of December, 2000.

(Official Seal)

Danielle Jeannette Comeau  
Notary Public

My Commission Expires: October 21, 2005

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 19<sup>th</sup> day of DECEMBER, 2000.

[Signature] (SEAL)  
David White

STATE OF Massachusetts)  
)  
COUNTY OF Middlesex)

I, Danielle Jeannette Comeau, a notary public for said County and State, do hereby certify that David White personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 19<sup>th</sup> day of DECEMBER, 2000.

(Official Seal)

[Signature]  
Notary Public

My Commission Expires: October 21, 2005

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_\_ day of \_\_\_\_\_, 2000.

\_\_\_\_\_  
Inmaculada Silos-Santiago (SEAL)

STATE OF Massachusetts)  
)  
COUNTY OF Middlesex)

I, Danielle Jeannette Comeau, a notary public for said County and State, do hereby certify that Inmaculada Silos-Santiago personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the \_\_\_\_\_ day of \_\_\_\_\_, 2000.

(Official Seal)

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

My Commission Expires: October 21,

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_\_ day of \_\_\_\_\_, 2000.

\_\_\_\_\_  
David White (SEAL)

STATE OF Massachusetts )  
 )  
COUNTY OF Middlesex )

I, Danielle Jeannette Comeau, a notary public for said County and State, do hereby certify that David White personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

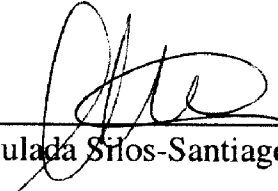
Witness my hand and official seal, this the \_\_\_\_\_ day of \_\_\_\_\_, 2000.

(Official Seal)

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

My Commission Expires: October 21, 2005

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 21 day of December, 2000.

  
\_\_\_\_\_  
Inmaculada Silos-Santiago (SEAL)

STATE OF Massachusetts )  
 )  
COUNTY OF Middlesex )

I, Danielle Jeannette Comeau, a notary public for said County and State, do hereby certify that Inmaculada Silos-Santiago personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 21<sup>st</sup> day of December, 2000.

(Official Seal)

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

My Commission Expires: October 21, 2005