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02-07-2000

M COVER SHEET Patents Only

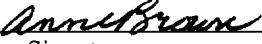


MED 11/3/00

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 Additional name(s) of conveying party(ies) attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		2. Name and address of receiving party(ies): Millennium Pharmaceuticals, Inc. 75 Sidney Street Cambridge, MA 02139 Additional name(s) & address(es) attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: <u>Kapeller-Libermann 12/9/99</u> <u>White 12/8/99</u> <u>Silos-Santiago 12/9/99</u>			
4. Application No. <u>09/409,180</u> Patent No. _____ If this document is being filed together with a new application, the execution date of the application is: ____ Additional numbers attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
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: <u>1</u>	
		7. Total fee (37 CFR 3.41) <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account	
		8. Deposit account number: 16-0605	
DO NOT USE THIS SPACE			
9. Statement and signature <i>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.</i> Anne Brown, Reg. No. 36,463 Name of Person Signing  Signature <u>12/27/99</u> Date Total number of pages including cover sheet, attachments and document: 10			

02/04/2000 TTON11 00000158 09409180

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RTA01/2071954v1

PATENT
REEL: 010522 FRAME: 0097

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 17th 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 17th 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.

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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.

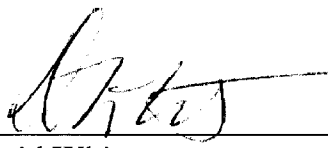
Witness my hand and official seal, this the _____ day of _____, 1999.

(Official Seal)

Notary Public

My Commission Expires: October 21, 2005

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

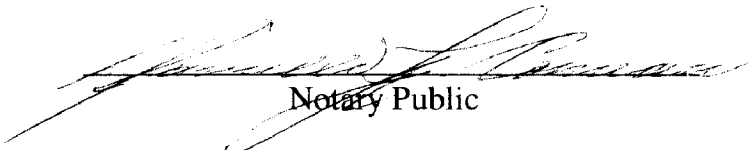

 _____ (SEAL)
 David White

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 8th 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.

 _____ (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 _____ day of _____, 1999.

(Official Seal)

 Notary Public

My Commission Expires: October 21, 2005

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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

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)

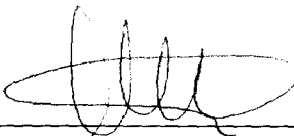
I, Danielle Jeannette Comeau, a notary public for said County and State, do hereby certify that David White personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

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 09 day of December, 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 9th day of December, 1999.

(Official Seal) _____
Notary Public

My Commission Expires: October 21, 2005