



To the Honorable Commissioner
Please record the attached origin

101031358

Attorney Dkt. No.: 5800-14

1. Name of conveying party(ies):

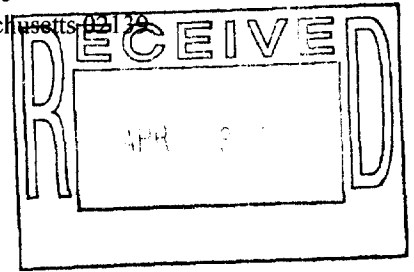
Hong Chen
Joanne Meyer

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

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

Millennium Pharmaceuticals, Inc.
640 Memorial Drive
Cambridge, Massachusetts 02128

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



4.23.99

3. Nature of conveyance:

 Assignment
 Merger
 Security Agreement
 Change of Name
 Other _____
Execution Date: 3/16/99 and 4/2/99

4. Application No. 09/233,989 (Filed January 19, 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:

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

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: 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

4/21/99
Date

Total number of pages including cover sheet, attachments and document: 4

05/06/1999 DNGUYEN 00000009 09233989
01 FC:581 40.00 OP

ASSIGNMENT

THIS ASSIGNMENT, made by us, Hong Chen, a citizen of the People's Republic of China, residing at 46 Aspinwall Avenue, Apt. 2, Brookline, Massachusetts 02446; and Joanne Meyer, a citizen of the United States of America, residing at 170 O'Malley Road, Marlborough, Massachusetts 01752, respectively;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in METHOD OF DETECTING RISK OF TYPE II DIABETES BASED ON MUTATIONS FOUND IN CARBOXYPEPTIDASE E for which an application for United States Letters Patent has been filed in the United States Patent and Trademark Office on January 19, 1999, under Application No. 09/233,989, and

WHEREAS, Millennium Pharmaceuticals, Inc., a Delaware corporation having a principal place of business at 640 Memorial Drive, Cambridge, Massachusetts 02139, 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 us 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 our heirs, legal representatives, and assigns promptly to communicate to said assignee or its representatives any facts known to us 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 3/16, 1999.



_____(SEAL)

Hong Chen

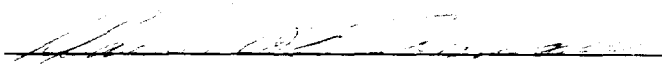
STATE OF Mississippi)

COUNTY OF Winston)

I, William F. Fournelle, a Notary Public for said County and State, do hereby certify that Hong Chen personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 16th day of March, 1999.

(Official Seal)


Notary Public

My commission expires: August 17, 2005

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 2nd
day of April, 1999.

_____(SEAL)

Joanne Meyer
Joanne Meyer

STATE OF Missouri)
COUNTY OF Missouri)

I, Joanne Meyer, a Notary Public for said County and State, do hereby certify that Joanne Meyer personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 2nd day of April, 1999.

(Official Seal)

Joanne Meyer
Notary Public

My commission expires: June 21, 2005