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Attorney Docket Number
7853-151-999

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS
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Please record the attached original documents or copy thereof.

| | |
|--|--|
| 1. Name of conveying party(ies): Karen Moore and Deborah Lynn Nagle Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 2. Name and address of receiving party(ies): Name: <u>Millennium Pharmaceuticals, Inc.</u> Address: <u>75 Sidney Street</u> <u>Cambridge, MA</u> Country (if other than USA): _____ |
| 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>January 28, 2000</u> | 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.(s) <u>09/358,055</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 5. Name and address of party to whom correspondence concerning document should be mailed: PENNIE & EDMONDS LLP 1155 Avenue of the Americas New York, NY 10036 | 6. Number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41):.....\$ <u>40.00</u> Please charge to the deposit account listed in Section 8. 8. Deposit account number: <u>16-1150</u> |

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.

| | | | |
|---|---------------------------|--------------------------------------|---|
| <u>Laura A. Coruzzi</u> Name of Person Signing | <u>30,742</u> Reg. No. | <u>Laura A. Coruzzi</u> Signature | <u>February 2, 2000</u> Date |
| <u>William C. George</u> Signature | | | <u>39,201</u> Total number of pages including cover sheet: |

Mail documents to be recorded with required cover sheet information to:
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02/15/2000 TT0111 00000134 161150 09358055
01 FC:581 40.00 CH

PATENT NY2-10091701
REEL: 010546 FRAME: 0765

ASSIGNMENT

WHEREAS, WE, Karen Moore and Deborah Lynn Nagle, ASSIGNORS, citizens of United Kingdom and the United States of America, respectively, residing at 34 Chandler Street, Maynard, Massachusetts 01754 and 370 Arlington Street, Watertown, Massachusetts 02172, respectively, are the inventors of the invention in METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING OBESITY for which we have executed an application for a Patent of the United States

- which is executed on even date herewith or _____
- which is identified by Pennie & Edmonds LLP docket no. 7853-151
- which was filed on July 21, 1999, Application No. 09/358,055

and WHEREAS, Millennium Pharmaceuticals, Inc., ASSIGNEE, a corporation organized and existing under the laws of the state of Delaware, having a place of business at 75 Sidney Street, Cambridge, Massachusetts 02142-1017, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 7/23/1999 1999 [Signature] U.S.
Karen Moore

State of MA)
County of Worcester) SS.:

On this 21 day of July, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Karen MOORE to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

[Signature]
Notary Public.

Date July 28 2000 1999 [Signature] U.S.
Deborah Lynn Nagle

State of MA)
County of Worcester) SS.:

On this 28 day of July, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Deborah Lynn NAGLE to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

[Signature]
Notary Public.

PATENT NY2 - 996891 1