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FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Thomas A. Miller, David J. Witter, Sandro Belvedere. Execution Date: December 12, 2006, December 12, 2006, January 5, 2007. 2. Name and address of receiving party(ies): Merck HDAC Research, LLC, 33 Avenue Louis Pasteur, Boston, Massachusetts 02115. 3. Nature of conveyance: Assignment, Security Agreement, Other.

4. Application number(s) or patent number(s): 10/574,992, nationalized April 6, 2006. Additional numbers attached? No.

5. Name and address of party to whom correspondence Concerning document should be mailed: Ivor R. Elrifi, Esq., MINTZ, LEVIN, COHN, FERRIS, et al. 6. Total number of applications and patents involved: 1. 7. Total fee (37 CFR 3.41) \$40.00. Enclosed. The Commissioner is authorized to charge Deposit Account No: 50-0311, Reference No. 24852-503 NATL for any deficiencies.

DO NOT USE THIS SPACE

9. Statement and signature: Michelle A. Iwamoto, Reg. No. 55,296. Signature: Michelle A Iwamoto. Date: March 5, 2007. Total number of pages including cover sheet, attachments, and document: (9)

Mail documents to be recorded with required cover sheet information to: MAIL STOP ASSIGNMENT RECORDATION SERVICES Director of the United States Patent and Trademark Office P. O. Box 1450 Alexandria, VA 22313-1450

03/08/2007 MJAMA1 00000006 10574992

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(40.00 OP)

PATENT

REEL: 019007 FRAME: 0750

OFFICE OF THE ATTORNEY GENERAL FINANCE SECTION 707 MD -5 MAR 21 2007

ASSIGNMENT

I, Thomas A. MILLER, David J. WITTER and Sandro BELVEDERE, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to **Merck HDAC Research, LLC, a Limited Liability Company of the State of Delaware**, with offices at **33 Avenue Louis Pasteur, Boston, Massachusetts 02115**, which is an indirect subsidiary of **Merck & Co., Inc.**, and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) my entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in or claim priority to the application for United States Letters Patent entitled:

THIOPHENE AND BENZOTHIOPHENE HYDROXAMIC ACID DERIVATIVES

Nationalized with the U.S. Patent and Trademark Office on **April 6, 2006** and assigned Serial No.: **10/574,992**, including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names at the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

I hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

I agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

I further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 12 Dec 06 Thomas A. Miller
Signature of: **Thomas A. Miller**

State of Massachusetts
County of Suffolk

Subscribed and sworn to before me this 12th day of December, 2006



On this 12 day of Dec., 2006, before me, the undersigned notary public, personally appeared Thomas A. Miller, proved to me through satisfactory evidence of identification, which were MADL, to be the person whose name is signed on the preceding or attached document who swore or ~~affirmed~~ to me that the contents of the document are truthful and accurate to the best of his/~~her~~ knowledge and belief.

Karen L. Goldsmith
Karen L. Goldsmith, Notary Public
My Commission Expires: September 6, 2013

Date: David J. Witter
Signature of: **David J. Witter**

State of Massachusetts
County of Suffolk

Subscribed and sworn to before me this 12 day of December, 2006



On this 12 day of Dec., 2006, before me, the undersigned notary public, personally appeared David J. Witter, proved to me through satisfactory evidence of identification, which were MADL, to be the person whose name is signed on the preceding or attached document who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Karen L. Goldsmith
Karen L. Goldsmith, Notary Public
My Commission Expires: September 6, 2013

Date: _____
Signature of: **Sandro Belvedere**

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____.



ASSIGNMENT

I, Thomas A. MILLER, David J. WITTER and Sandro BELVEDERE, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to **Merck HDAC Research, LLC, a Limited Liability Company of the State of Delaware**, with offices at **33 Avenue Louis Pasteur, Boston, Massachusetts 02115, which is an indirect subsidiary of Merck & Co., Inc.**, and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) my entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in or claim priority to the application for United States Letters Patent entitled:

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I further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

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Date: _____
Signature of: **Thomas A. Miller**

State of _____
County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public
My commission expires _____.

Date: _____
Signature of: **David J. Witter**

State of _____
County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public
My commission expires _____.

Date: Jan 5, 2007

Sandro Belvedere

Signature of: Sandro Belvedere

State of New York

County of New York

Subscribed and sworn to before me this 5th day of January, 2007.

Sylvia A. Belardo
Notary Public

My commission expires November 9, 2010.

SYLVIA A. BELARDO
Notary Public, State of New York
No. 01BE6015783
Qualified in New York County
Commission Expires November 9, 2010