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Patent and Trademark Office  
Y03-075

To the Honorable Commissioner of Patents and

and original documents or copy thereof.

102379148

1. Name of conveying party(ies):

SARTORELLI, Alan C.; CHENG, Yung-Chi; LIU, Mao-Chin

Name and address of receiving party(ies)

Name: Yale University

Internal Address:

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: January 29, 2003

Street Address: 2 Whitney Avenue

City New Haven

State CT

ZIP 06511

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

4. Application number(s) or patent number(s): 10/321,133

If this document is being filed together with a new application, the execution date of the application is: 12/17/2002

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name Coleman Sudol Sapone, P.C.

Internal Address: c/o Henry D. Coleman

Street Address: 714 Colorado Avenue

City: Bridgeport State: CT ZIP: 06605

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41)..... \$40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

04-0838

(Attach duplicate copy of this page if paying by deposit account)

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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.

Henry D. Coleman, Reg. No. 32,559

Name of Person Signing

Signature

Date

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

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

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PATENT  
REEL: 013790 FRAME: 0845

## ASSIGNMENT

WHEREAS, I, Dr. Alan C. Sartorelli, residing at 4 Perkins Rd., Woodbridge, CT, 06525, and I, Dr. Yung-Chi Cheng, residing at 961 Baldwin Rd., Woodbridge, CT 06525, and I, Dr. Mao-Chin Liu, residing at 112 Pool Rd., North Haven, CT 06473, have invented new and useful improvements in NOVEL NUCLEOSIDES AND RELATED PROCESSES, PHARMACEUTICAL COMPOSITIONS AND METHODS, for which I filed a Non-Provisional Patent Application, Serial number 10/321,133 in the United States Patent and Trademark Office on December 17, 2002, ("the application").

WHEREAS, Yale University, having an office and principal place of business at 2 Whitney Avenue, New Haven CT, 06511, is desirous of acquiring the entire right, title and interest in and to the application and invention therein described and any Letters Patent which may be issued upon a regular U.S. national application based on the provisional application.

Now, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations, to me in hand paid, the receipt and sufficiency of which are hereby acknowledged, I, Dr. Alan C. Sartorelli, and I, Dr. Yung-Chi Cheng, and I, Dr. Mao-Chin Liu, have sold, assigned and transferred and do hereby sell, assign and transfer unto said Yale University, its successors and assigns, my entire right, title and interest in and to the non-provisional application and to the invention therein disclosed and the entire right, title and interest in and to any Letters Patent which may issue on an application derived from or based on said non-provisional application, and the right to apply for any Letters Patent in the United States of America and in any and all foreign countries on said invention, including all divisional, renewal, substitute and continuation applications based in whole or in part upon said invention, or upon any and all Letters Patents that may issue thereon, and every priority right that is or may be predicated upon or arise from said invention, the same to be held and enjoyed by said Yale University, for its own use and enjoyment and for the use and enjoyment of its successors and assigns, to the full end of the term for which any said Letters Patent are granted, as fully and as entirely as the same would have been held and enjoyed by me had this Assignment and sale not been made.

And I hereby authorize said Yale University, to file patent applications in any or all other

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countries on said invention in my name or in the name of said Yale University, or otherwise as said Yale University, may deem advisable.

And I hereby authorize the empowered officials of all governments to issue or transfer any said Letters Patent granted, to said Yale University, as assignee of the entire right, title and interest therein or otherwise as said Yale University, may direct, in accordance with this instrument or assignment.

In further consideration of said good and valuable considerations, I, Dr. Alan C. Sartorelli, and I, Dr. Yung-Chi Cheng, and I, Dr. Mao-Chin Liu, further represent and warrant to said Yale University, its successors and assigns, that there are no rights and interests outstanding inconsistent with the rights and interests granted herein and that I have not executed any instrument or granted or transferred any rights or interests inconsistent with the rights and interests granted herein and that I will not execute any instrument or grant or transfer any rights or interests inconsistent herewith, and I bind myself, my heirs, executors, administrators and legal representatives, as the case may be, to execute and deliver to said Yale University, its successors and assigns, and I hereby irrevocably appoint said Yale University, as my true and lawful attorney-in-fact on my and their behalf and in my and/or their name, place and stead to execute, any further documents or instruments and do any and all further acts that may be deemed necessary or desirable by said Yale University, its successors and assigns, to vest in said Yale University, its successors and assigns, the title whose conveyance is made hereby, and to enable such title to be recorded in the United States and all other countries, and to enable said Yale University, to sustain or reissue any said Letters Patent granted, and to maintain, perfect, support and protect the right, title and interest of said Yale University, its successors and assigns, in and to the said invention, and any Letters Patent granted, particularly in cases of interference and litigation.

And I further covenant and agree, in consideration of the premises, that I, my executors and administrators, will at any time upon request of said Yale University, its successors or assigns, and at its expense, communicate to said Yale University, its successors and assigns, any facts relating to the invention and improvements and the history thereof, known to me or my heirs, executors, administrators or legal representatives, and that I will testify as to the same in any interference, or other litigation when requested to do so by said Yale University, its successors and assigns.

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IN TESTIMONY WHEREOF, I have hereunto set my hand and Seal this 29 day of January, 2003 <sup>ALB</sup>

Alan C. Sartorelli  
Dr. Alan C. Sartorelli

STATE OF CONNECTICUT )  
COUNTY OF NEW HAVEN ) ss.:

On this 29th day of JANUARY, 2003, before me personally appeared Dr. Alan C. Sartorelli, to me known and known to me to be the individual described in the foregoing instrument, and he duly acknowledged to me that he executed the foregoing instrument, and he acknowledged to me that he executed the same for the purpose therein set forth.

Joseph Sartorelli  
Notary Public

My Commission Expires: OCT. 31, 2003

(SEAL)

IN TESTIMONY WHEREOF, I have hereunto set my hand and Seal this 29 day of January, 2003 <sup>Y.C.</sup>

Yung-Chi Cheng  
Dr. Yung-Chi Cheng

STATE OF CONNECTICUT )  
COUNTY OF NEW HAVEN ) ss.:

On this 29th day of JANUARY, 2003, before me personally appeared Dr. Yung-Chi Cheng, to me known and known to me to be the individual described in the foregoing instrument, and he duly acknowledged to me that he executed the foregoing instrument, and he acknowledged to me that he executed the same for the purpose therein set forth.

Joseph Sartorelli  
Notary Public

My Commission Expires: OCT. 31, 2003

(SEAL)

IN TESTIMONY WHEREOF, I have hereunto set my hand and Seal this 29 day of January, 2003 <sup>ML</sup>

Mao-Chin Liu  
Dr. Mao-Chin Liu

STATE OF CONNECTICUT )  
COUNTY OF NEW HAVEN ) ss.:

On this 29th day of JANUARY, 2003, before me personally appeared Dr. Mao-Chin Liu, to me known and known to me to be the individual described in the foregoing instrument, and he duly acknowledged to me that he executed the foregoing instrument, and he acknowledged to me that he executed the same for the purpose therein set forth.

Joseph Sartorelli  
Notary Public

My Commission Expires: OCT. 31, 2003

(SEAL)