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07-15-1999

15280-279100/DHHS Ref. No. E-107-96/0

FORM PTO-1595
(Rev. 6-93)



U.S. Department of Commerce
Patent and Trademark Office

To the Honorable Asst. Commissioner for

101091988

Documents or copy thereof

1. Name of conveying party(ies):

Alan Rein
Jose Casas-Finet
Robert Fisher
Matthew Fivash
Louis E. Henderson

2. Name and address of receiving party(ies)

Name: THE GOVERNMENT OF THE UNITED STATES OF AMERICA as represented by the Secretary of the Department of Health and Human Services

Internal Address: NATIONAL INSTITUTES OF HEALTH
OFFICE OF TECHNOLOGY TRANSFER

Street Address: 6011 Executive Boulevard, Suite 325

City: Rockville State: Maryland ZIP: 20852

Additional names and addresses attached? Yes No

Additional name(s) of conveying parties attached? Yes
 No.

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other:

Execution Date: 6/28/99; 6/28/99; 6/28/99; 6/28/99; 6/28/99

4. Application Number(s) or Patent Numbers.

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

A. Patent Application No(s): (09/180,903) B. Patent No(s):

Additional numbers attached? Yes No

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

Name: Eugenia Garrett-Wackowski, Esq.
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(415) 576-0200

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): -----\$40.00

Enclosed Charge Fees to Deposit Account

Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

8. Deposit account number: 20-1430

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.

Eugenia Garrett-Wackowski
Name of Person Signing

Signature

Date

Atty. Reg. No. 37,330

Total number of pages including cover sheet, attachments and document 5

10. Change Correspondence Address to that of Part 5? Yes No

OMB No. 0651-0011 (exp. 4/94)

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Asst. Commissioner for Patents
Box: Assignments
Washington, D.C. 20231

ASSIGNMENT

JOINT

WHEREAS, We, Alan Rein of 7295 Swan Point Way, Columbia, Maryland 21045; Jose Casas-Finet of 7101 Cypress Hill Drive, Gaithersburg, Maryland 20879; Robert Fisher of 17408 Miller's Sawmill Road, Sharpsburg, Maryland 21782; Matthew Fivash of 2147 Brackendell Court, Frederick, Maryland 21702; and Louis E. Henderson of 10296 Quail Trail, Mount Airy, Maryland 21771, employees of the Department of Health and Human Services at the time the invention was made, have invented (title of invention): OLIGONUCLEOTIDES WHICH SPECIFICALLY BIND RETROVIRAL NUCLEOCAPSID PROTEINS, for which an application to the Assistant Commissioner for Patents for grant of Letters Patents of the United States of America has been executed by the undersigned

is identified as U.S. Patent Application:
Serial No. 09/180,903

Filed _____; and

WHEREAS, the conditions under which said invention was made are such as to entitle the Government of the United States of America under Paragraph 1(a) of Executive Order 10096, to the entire right, title, and interest herein, both domestic and foreign; and

WHEREAS, the Government of the United States of America is desirous of acquiring all domestic and foreign right, title, and interest in the aforesaid invention described in the aforesaid application for Letters Patent of the United States of America; and

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, we the undersigned, have sold, assigned, and transferred and by these presents do sell, assign, and transfer unto The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services (hereinafter THE GOVERNMENT), and his successors, the full and exclusive right, title, and interest throughout the United States of America, its territories and dependencies, and within each and every foreign country in which THE GOVERNMENT elects to file the invention described in the aforesaid application for Letters Patent of the United States of America, and all Letters Patents and Registrations which may be granted on the same in the United States of America and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

AND, we hereby authorize and request the Assistant Commissioner for Patents to issue said Letters Patent to THE GOVERNMENT as assignee of the entire right, title, and interest in and to the same throughout the United States of America, its territories and dependencies, and within each and every foreign country in which THE GOVERNMENT elects to file, for the sole use for the full term or terms for which said Letters Patent and Registrations may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof which may be granted as fully and entirely as the same would have been held by us, had this assignment not been made;

AND, we hereby warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied with respect to the aforesaid application for Letters Patent which will impair, diminish, limit, or abridge the interest herein conveyed at the time of the execution of this instrument by us;

AND, we hereby agree to execute any and all applications for Letters Patent in the United States of America and foreign countries, and to furnish and deliver to the Secretary, Department of Health and Human Services, upon request, all data and documents, and to execute any papers which may be necessary for the prosecution of any application or applications of Letters Patent or for THE GOVERNMENT to exercise its rights granted hereunder, including communicating to THE GOVERNMENT, its representatives or agents, any facts relating to said invention, including evidence for interference purposes, or for other proceedings, whenever requested, to testify in any interference or other proceedings, whenever requested, and to execute and deliver on request all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon our heirs, legal representatives, administrators and assigns, and we shall assist THE GOVERNMENT in every way as may be requested in protecting said invention, provided that any expense of extending such assistance shall be paid by THE GOVERNMENT.

The undersigned hereby grants THE GOVERNMENT or the law firm of Townsend and Townsend and Crew LLP, the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Alan Rein

Alan Rein

6/28/99

Date

SIGNATURE WITNESSED BY:

(1) Date: 6/28/99

Jane Muir

Signature of Witness 1

(2) Date: 6/28/99

Cathleen M. Hildet

Signature of Witness 2

Jose Casas-Finet

Jose Casas-Finet

June 28, 1999

Date

SIGNATURE WITNESSED BY:

(1) Date: 6-28-99

Bradley K.

Signature of Witness 1

(2) Date: 6-28-99

Jane Muir

Signature of Witness 2

Robert Fisher

Robert Fisher

6/28/99

Date

SIGNATURE WITNESSED BY:

(1) Date: 6-28-99

Jane Muir

Signature of Witness 1

(2) Date: 6/28/99

Cathleen M. Hildet

Signature of Witness 2



Matthew Fivash

28-Jun-99

Date

SIGNATURE WITNESSED BY:

(1) Date: 6-28-99

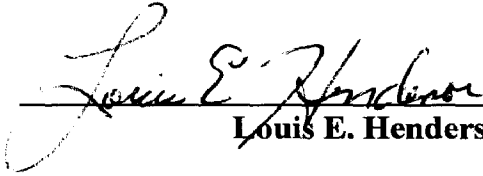


Signature of Witness 1

(2) Date: 6-28-99



Signature of Witness 2



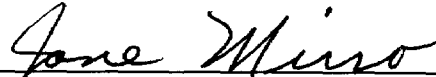
Louis E. Henderson

6/28/99

Date

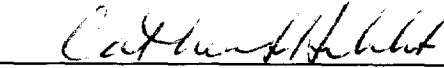
SIGNATURE WITNESSED BY:

(1) Date: 6-28-99



Signature of Witness 1

(2) Date: 6-28-99



Signature of Witness 2