

RECORDATION FORM COVER
PATENTS ONLY

07-10-2003



To The Honorable Commissioner of Patents and Trademarks. Please record this

of.

1. Name of conveying party(ies):

Joseph Shiloach
First Assignor

June 17, 2003

Date of Execution

Stephen H. Leppla
Second Assignor

June 13, 2003

Date of Execution

Delia Ramirez
Third Assignor

June 13, 2003

Date of Execution

Rachel Schneerson
Fourth Assignor

July 3, 2003

Date of Execution

John B. Robbins
Fifth Assignor

June 12, 2003

Date of Execution

Sixth Assignor

Date of Execution

Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO

Name: The Government of the United States of America as
represented by the Secretary of the Department of Health and
Human Services

Street Address: Office of Technology Transfer, National Institutes
of Health, 6011 Executive Blvd., Suite 325

City: Rockville

State: MD

ZIP: 20852

Additional name(s) & address attached? ☐ YES ☒ NO

3. Nature of Conveyance (check only one):

☒ New Assignment

☐ Merger

☐ License Agreement

☐ Security Agreement

☐ Change of Name

☐ Other:

4. Identification of Application number(s), patent number(s) OR date of execution of application to which assignment refers:

Application Nos.:

10/290,712

Patent Nos.:

Date application was signed by the first
named executing inventor

(Fill-in this date only if assignment is filed
together with a new application)

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

Name: John W. Caldwell
WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, Pennsylvania 19103-7301
215-568-3100

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 Number
23-3050

8. Please charge any deficiency or credit any overpayment to
Deposit Account Number 23-3050

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.

Name of Person Signing/Reg. No.: Andrew T. Serafini, 41,303

Signature

Date 7-3-2003

Total number of pages including cover sheet, assignment document and additional pages attached thereto: 7

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

Mail Stop Assignment Recordation Services
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

07/09/2003 LUELLER 00004071 233050 10290712

01 FC:0021 40.00 DA

PATENT
REEL: 014243 FRAME: 0963

ASSIGNMENT

WHEREAS, We, Joseph Shiloach, Stephen H. Leppla, Delia M. Ramirez, Rachel Schneerson, John B. Robbins of 1717 Mark Lane, Rockville, Maryland 20852; 1717 Mark Lane, Rockville, Maryland 20852; 4528 North Chelsea Lane, Bethesda, Maryland 20814; 10601 Weymouth Street, Bethesda, Maryland 20814; and 3901 Rosemary Street, Chevy Chase, Maryland 20815; hereinafter referred to as "Assignors," employees of the Department of Health and Human Services at the time the invention was made, have invented: METHODS FOR PREPARING BACILLUS ANTHRACIS PROTECTIVE ANTIGEN FOR USE IN VACCINES, for which an application to the Assistant Commissioner for Patents for grant of Letters Patents of the United States of America, identified as U.S. Serial No. 10/290,712 filed November 8, 2002, Docket No. NIHA-0014, has been executed by the undersigned.

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 far 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 Woodcock Washburn 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.

Dated: June 17 2003

Joseph Shiloach
Joseph Shiloach

STATE OF MD)

COUNTY OF Montgomery)

ss.

UNITED STATES OF AMERICA

On 17th June, 2003, before me, Joseph Shiloach (name of notary public), personally appeared Joseph Shiloach personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Charlene D. Dixon
NOTARY PUBLIC

CHARLENE D. DIXON
NOTARY PUBLIC

My Commission Expires: PRINCE GEORGES COUNTY STATE OF MD
MY COMMISSION EXPIRES JUNE 6, 2006

Dated: 13 Jun 2003



Stephen H. Leppla

STATE OF _____)
COUNTY OF _____) ss.

UNITED STATES OF AMERICA

On _____, 2003, before me, _____ (name of notary public), personally appeared **Stephen H. Leppla**, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires: _____

Dated: 6/13/03



Delia M. Ramirez

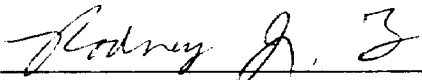
STATE OF Virginia)
COUNTY OF Arlington)

ss.

UNITED STATES OF AMERICA

On June 13, 2003, before me, Rodney S. Turner (name of notary public), personally appeared **Delia M. Ramirez** personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



NOTARY PUBLIC

My Commission Expires: 9-30-03

SENT BY:

7- 3- 3 ;12:31PM ;

:# 3/ 5

Jul-03-2003 10:16am From=HOODCOCK WASHBURN KURTZ MACKIEWICZ

T-985 P.009/009 F-297

Attorney Docket No.: NIHA-0014
DHHS Reference No.: E-023-2002

Dated: 7.3.03

Rachel Schneerson
Rachel Schneerson

STATE OF _____)

COUNTY OF _____)

ss.

UNITED STATES OF AMERICA

On _____, 2003, before me, _____ (name of notary public),
personally appeared Rachel Schneerson personally known to me (or proved to me on the
basis of satisfactory evidence) to be the person whose name is subscribed to the within
instrument, and acknowledged to me that he/she executed the same in his/her authorized
capacity, and that by his/her signature on the instrument the person, or the entity upon behalf
of which the person acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires: _____

Dated: June 12, 2003

John B. Robbins
John B. Robbins

STATE OF Md)
)
COUNTY OF Montgomery) ss.
UNITED STATES OF AMERICA

On _____, 2003, before me, _____ (name of notary public),
personally appeared **John B. Robbins** personally known to me (or proved to me on the basis
of satisfactory evidence) to be the person whose name is subscribed to the within instrument,
and acknowledged to me that he/she executed the same in his/her authorized capacity, and
that by his/her signature on the instrument the person, or the entity upon behalf of which the
person acted, executed the instrument.

WITNESS my hand and official seal.

NOTARY PUBLIC

My Commission Expires: _____