

Attorney Docket No. 015280-396100US

Form PTO-1595
(Rev. 10-02)
OMB No. 0651-0027 (exp. 6/31/2002)

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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):
Ira H. Pastan
Additional name(s) of conveying party(ies) attached? Yes No.

2. Name and address of receiving party(ies)
Name: The Government of the United States, as represented by the Secretary of the Department of Health and Human Resources
Internal Address:
Street Address: 6011 Executive Blvd., Suite 325
City: Rockville State: MD ZIP: 20852
Additional name(s) and address(es) attached? Yes No

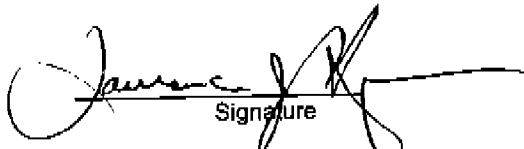
3. Nature of conveyance:
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 Other:
Execution Date: 05/06/03; 05/06/03; 06/12/03; 05/07/03;
05/06/03; 05/06/03; 06/05/03; 05/06/03

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): 10/416,129
B. Patent No(s):
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Laurence J. Hyman
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, Eighth 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
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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.
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Name of Person Signing
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Page 2

1. Additional name(s) of conveying party(ies):
(Continued from Page 1)

Masanori Onda
Satoshi Nagata
Yasuo Tsutsumi
James J. Vincent
Robert J. Kreitman
George Vasmatzis
Byungkook Lee

2. Additional name(s) and address(es) of receiving party(ies):
(Continued from Page 1)

3. Additional application number(s) or patent number(s):
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

01144217 v1

ASSIGNMENT

JOINT

WHEREAS, We, **Ira H. Pastan** of 11710 Beall Mountain Road, Potomac, Maryland, 20854, a citizen of Greece; **Masanori Onda** of 320 Lorraine Drive, Rockville, Maryland, 20852, a citizen of Japan; **Satoshi Nagata** of 6030 California Circle, #212, Rockville, Maryland, 20852, a citizen of Japan; **Yasuo Tsutsumi** of 2-20-503 Aomadani-nishi, Mino, Osaka, Japan, 562, a citizen of Japan; **James J. Vincent** of 308 Boyd Avenue, Takoma Park, Maryland, 20912, a citizen of the United States of America; **Robert J. Kreitman** of 11915 Reynolds Avenue, Potomac, Maryland, 20854, a citizen of the United States of America; **George Vasmatzis** of 2819 4th Avenue, NW, Rochester, Minnesota, 55901, a citizen of the United States of America; **Byungkook Lee** of 10711 Sandy Landing Road, Potomac, Maryland, 20854, a citizen of the United States of America; all inventors being employees of the Department of Health and Human Services at the time the invention was made, have invented: **REDUCTION OF THE NONSPECIFIC ANIMAL TOXICITY OF IMMUNOTOXINS BY MUTATING THE FRAMEWORK REGIONS OF THE FV TO LOWER THE ISOELECTRIC POINT**, 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

on (date(s) Declaration signed):

is identified as U.S. Patent Application:

Serial No. 10/416,129
Filed May 8, 2003; 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.

Masanori Onda
Masanori Onda

5/6/03
(date)

STATE OF Maryland)

COUNTY OF Montgomery)

UNITED STATES OF AMERICA

On May 6, 2003, before me, Ann Schombert, Notary (here insert name and title of the officer), personally appeared Masanori Onda, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature Ann Schombert

my commission expires on 10/01/2005

(Seal)

Satoshi Nagata
Satoshi Nagata

6/12/03
(date)

STATE OF Maryland)
COUNTY OF Montgomery)

UNITED STATES OF AMERICA

On June 12, 2003, before me, Ann Schombert, Notary (here insert name and title of the officer), personally appeared Satoshi Nagata, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature Ann Schombert
My Commission expires 10/01/05

(Seal)

Yasuo Tsutsumi

Yasuo Tsutsumi

May 7, 2003

(date)

SIGNATURE WITNESSED BY:

(1) Date: May 7, 2003 Signature of Witness 1: Yohei Mukai

(2) Date: May 7, 2003 Signature of Witness 2: Maki Kawamura

[Handwritten signature]

Robert J. Kreitman

5/6/03

(date)

STATE OF Maryland)

COUNTY OF Montgomery)

UNITED STATES OF AMERICA

On May 6, 2003, before me, Ann Schombert, Notary (here insert name and title of the officer), personally appeared Robert J. Kreitman, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.

Signature Ann Schombert

my commission expires 10/01/05

(Seal)

George Vasmatzis

George Vasmatzis

6/5/2007
(date)

STATE OF Minnesota)

COUNTY OF Olmsted)

UNITED STATES OF AMERICA

On June 5, 2003, before me, Alice J Golla (here insert name and title of the officer), personally appeared George Vasmatzis, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, execute the instrument.

WITNESS my hand and official seal.



Signature *Alice J Golla*
Notary Public 6/5/03

(Seal)

