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102710812

et: 31978-201641

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

1. Name of conveying party(ies):  
Katsuhiko YANAGIHARA  
Kiyoshi MIZUUCHI

3-26-04

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

2. Name and address of receiving party(ies)

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

Street Address: National Institutes of Health

Office of Technology Transfer, 6011 Executive Boulevard, Suite 325

City: Rockville

State/Country: Maryland

Zip: 20852-3804

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other \_\_\_\_\_

Execution Date: March 25, 2004; and March 24, 2004

4. Application number(s) or patent number(s):

10809688

If this document is being filed together with a new application, the execution date of the application by the first named inventor is: 3/25/04

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

26694

PATENT TRADEMARK OFFICE

Name: VENABLE LLP

Address: P.O. Box 34385

City: Washington

40.00 DP  
State: D.C.

Zip: 20043-9998

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

8. Deposit account number:

22-0261

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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.

Nancy J. Axelrod, Ph.D., Reg. No. 44,014

Name of Person Signing

Nancy Axelrod

Signature

March 26, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 5

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

Commissioner of Patents & Trademarks, Box Assignments  
Alexandria, VA 22313-1450

VENABLE  
ATTORNEYS AT LAW

PC Docs No. 534723v1

PATENT  
REEL: 015159 FRAME: 0503

## ASSIGNMENT

WHEREAS, we, Katsuhiko YANAGIHARA, residing at Parerowaiaru-Shogoin 106, Nishi-Fukunokawa-cho 16, Sakyo-ku, Kyoto, Japan, and Kiyoshi MIZUUCHI, residing at 7 Farsta Court, Rockville, MD, USA, all citizens of Japan, have made an invention entitled

### DETECTION OF NUCLEIC ACID SEQUENCE VARIATIONS USING PHAGE MU TRANSPOSASE

for which a U.S. Non-Provisional Patent Application, Serial Number Not yet assigned was filed on \_\_\_\_\_, and

WHEREAS, I am an applicant named in the above-identified Non-Provisional Patent Application; and

WHEREAS, the conditions under which said invention was made are such as to entitle The Government of the United States of America, as represented by the Secretary, Department of Health and Human Services (hereinafter THE GOVERNMENT) under Paragraph 1(a) of Executive Order 10096 to the entire right, title, and interest herein, both domestic and foreign; and

WHEREAS, THE GOVERNMENT is desirous of acquiring the entire domestic and foreign right, title, and interest in the above-mentioned invention described in the Provisional Patent Application,

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby assign and transfer to THE GOVERNMENT, as represented by the Secretary, Department of Health and Human Services, my entire right in and to said invention in the United States of America and within each and every foreign country in which THE GOVERNMENT elects to file and the entire right, title, and interest in and to such applications, and any continuations, continuations-in-part, divisions, reissues or extensions thereof, and including priority rights as may be filed in the United States of America and foreign countries, and such Letters Patent as may be granted to be held by THE GOVERNMENT to the end of the term for which the same would have been held by the inventors had this assignment not been made.

I further agree to make, execute, and deliver to the Secretary, Department of Health and Human Services, upon request, any and all papers, documents, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for improvements or reissues of Letters Patent, and to 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.

IN WITNESS WHEREOF I subscribe my hand and seal on the date shown below

Signature: Katsuhiko Yanagihara  
Katsuhiko YANAGIHARA

Date 3/25/04

County of Kyoto, JAPAN  
State of \_\_\_\_\_ SS: 216-53-7509

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 2004.

\_\_\_\_\_  
Notary Public

ASSIGNMENT

Title: DETECTION OF NUCLEIC ACID SEQUENCE VARIATIONS USING PHAGE MU  
TRANPOSASE

Signature: \_\_\_\_\_  
Kiyoshi MIZUUCHI

Date \_\_\_\_\_

County of \_\_\_\_\_

State of \_\_\_\_\_ SS:

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 2004.

\_\_\_\_\_  
Notary Public

## ASSIGNMENT

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IN WITNESS WHEREOF I subscribe my hand and seal on the date shown below

Signature: \_\_\_\_\_  
Katsuhiko YANAGIHARA

Date \_\_\_\_\_

County of \_\_\_\_\_  
State of \_\_\_\_\_ SS:

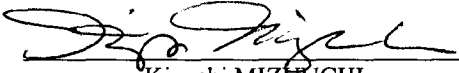
Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 2004.

\_\_\_\_\_  
Notary Public

ASSIGNMENT

Title: DETECTION OF NUCLEIC ACID SEQUENCE VARIATIONS USING PHAGE MU  
TRANPOSASE

Signature:

  
Kiyoshi MIZUUCHI

Date 3/24/2004

County of

Montgomery

State of

MARYLAND

SS:

CHARLENE D. DIXON  
NOTARY PUBLIC

PRINCE GEORGES COUNTY STATE OF MD  
MY COMMISSION EXPIRES JUNE 6, 2006

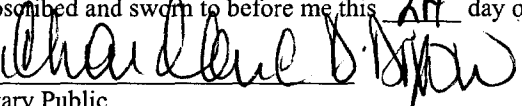
Subscribed and sworn to before me this

24<sup>th</sup>

day of

March

, 2004.

  
Notary Public

529709v1