

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3015880

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TORU TAKAHASHI	04/04/2006
HIROSE INOUE	04/14/2006
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CANON U.S. LIFE SCIENCES, INC.
<b>Street Address:</b>	9800 MEDICAL CENTER DRIVE
<b>City:</b>	ROCKVILLE
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20850
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12466779
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(301)762-0406
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	301-762-7070
<b>Email:</b>	nkaminski@cusa.canon.com
<b>Correspondent Name:</b>	CANON U.S. LIFE SCIENCES, INC.
<b>Address Line 1:</b>	9800 MEDICAL CENTER DRIVE
<b>Address Line 4:</b>	ROCKVILLE, MARYLAND 20850
<b>ATTORNEY DOCKET NUMBER:</b>	3400-177
<b>NAME OF SUBMITTER:</b>	ANGELA COLLISON/NOREEN KAMINSKI
<b>SIGNATURE:</b>	/Angela Collison/
<b>DATE SIGNED:</b>	09/10/2014
<b>Total Attachments: 3</b>	
source=coversheetamt-2754div1_signed#page1.tif	
source=asmt-1#page1.tif	
source=asmt-2#page1.tif	

## RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Toru Takahashi & Hirose Inoue

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

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 4/4/2006 & 4/14/2006

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Assignment                      | <input type="checkbox"/> Merger         |
| <input type="checkbox"/> Security Agreement                         | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Joint Research Agreement                   |   |
| <input type="checkbox"/> Government Interest Assignment             |   |
| <input type="checkbox"/> Executive Order 9424, Confirmatory License |   |
| <input type="checkbox"/> Other _____                                |   |

**2. Name and address of receiving party(ies)**

Name: Canon U.S. Life Sciences, Inc.

Internal Address: \_\_\_\_\_

Street Address: 9800 Medical Center Drive

City: Rockville

State: MD

Country: US Zip: 20850

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

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

This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

12/466779

Additional numbers attached?  Yes  No

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

Name: Canon U.S. Life Sciences, Inc.

Internal Address: \_\_\_\_\_

Street Address: 9800 Medical Center Drive

City: Rockville

State: MD Zip: 20850

Phone Number: 301-762-0909

Docket Number: 3400-177

Email Address: nkaminski@cusa.canon.com; ipdocketing@cusa.canon.com

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number 504253

Authorized User Name Noreen Kaminski

**9. Signature: /Angela Collison/**

8 September 2014

Signature

Date

Angela M. Collison

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**PATENT**  
**REEL: 033706 FRAME: 0245**

ASSIGNMENT

03582.000200

FOR VALUE RECEIVED, I TORU TAKAHASHI,

a citizen of Japan

residing at 2-10-6 Asagayakita, Suginami, 166-0001 Tokyo, Japan,

hereby sell, assign, transfer and convey unto Canon U.S. Life Sciences, Inc.,

a corporation of Delaware

having a place of business at 9800 Medical Center Drive, Suite A-100, Rockville, Maryland 20850

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for the United States, in and to certain inventions relating to

**DEVICES AND METHODS FOR MONITORING GENOMIC DNA OF ORGANISMS**

by Toru Takahashi and Hiroshi Inoue

and described in an application for Letters Patent of the United States filed by me on February 17, 2006 as Application No. 11/356,807

and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof; and I hereby authorize and request the Commissioner for Patents and Trademarks of the United States to issue all Letters Patent upon said inventions to the Assignee or to such nominees as it may designate.

AND I authorize and empower the said Assignee or nominees to invoke and claim for any application for patent or other form of protection for said inventions the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

AND I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in the United States for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND I hereby covenant that I have the full right to convey the entire right, title and interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith.

AND I hereby covenant and agree that I will communicate to said Assignee or nominees all facts known to me pertaining to my said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection for said inventions in the United States.

IN TESTIMONY WHEREOF, I herewith set my hand and seal this 4th day of Apr, 2006

Witness:

[Signature]

Assignor:

[Signature] L.S.  
Toru Takahashi

# Assignment

FOR VALUE RECEIVED, I **HIROSHI INOUE**,

a citizen of **Japan**

residing at **7701 Woodmont Avenue, Apt. 808, Bethesda, Maryland 20814**

hereby sell, assign, transfer and convey unto **Canon U.S. Life Sciences, Inc.**

a corporation of **DELAWARE**

having a place of business at **9800 Medical Center Drive, Suite A-100, Rockville, Maryland 20850**

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for the United States, in and to certain inventions relating to

## **DEVICES AND METHODS FOR MONITORING GENOMIC DNA OF ORGANISMS**

by **Toru Takahashi and Hiroshi Inoue**

and described in an application for Letters Patent of the United States filed by me on **February 17, 2006** as **Application No. 11/356,807**

and in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and I hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority so to do, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND I authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

AND I hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND I hereby covenant that I have the full right to convey the entire right, title and interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith.

AND I hereby covenant and agree that I will communicate to said Assignee or nominees all facts known to me pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 14 day of April, 2006

Hiroshi Inoue L.S.  
Hiroshi Inoue

STATE OF Maryland )  
COUNTY OF Montgomery ) ss.:  
)

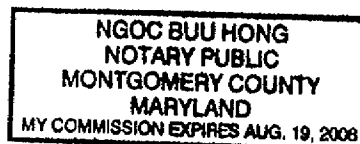
On this 14 day of April, 2006, before me personally appeared **Hiroshi Inoue**

to me known and known to me to be the individual described in and who executed the foregoing instrument, and who thereupon acknowledged to me that he executed the same for the purposes therein set forth.

(Seal)

Ngoc Buu Hong  
Notary Public  
(Notary Stamp)

NY\_MAIN 558735v1



**PATENT**

**RECORDED: 09/10/2014**

**REEL: 033706 FRAME: 0247**