# PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Kazuhito HASHIMOTO	07/09/2013
Kayano SUNADA	07/09/2013
Masahiro MIYAUCHI	07/09/2013
Xiaoqing QIU	07/09/2013
Yoshinobu KUBOTA	09/04/2013
Hitoshi ISHIGURO	07/09/2013
Ryuichi NAKANO	09/04/2013
Jitsuo KAJIOKA	09/04/2013
Yanyan YAO	08/26/2013

## **RECEIVING PARTY DATA**

Name:	THE UNIVERSITY OF TOKYO
Street Address:	3-1, Hongo 7-chome, Bunkyo-ku,
City:	Tokyo
State/Country:	JAPAN
Postal Code:	113-8654

Name:	KANAGAWA ACADEMY OF SCIENCE AND TECHNOLOGY
Street Address:	2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi,
City:	Kanagawa
State/Country:	JAPAN
Postal Code:	213-0012

# PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13994406

## **CORRESPONDENCE DATA**

**REEL: 031164 FRAME: 0575** 

**PATENT** 

Fax Number: 7037161180 Correspondence will be sent via US Mail when the fax attempt is unsuccessful. gbpatent@gbpatent.com Email: Correspondent Name: Greenblum & Bernstein, P.L.C. Address Line 1: 1950 Roland Clarke Place Address Line 4: Reston, VIRGINIA 20191 ATTORNEY DOCKET NUMBER: P44029 NAME OF SUBMITTER: Stephen M. Roylance Signature: /Stephen M. Roylance/ Date: 09/09/2013 Total Attachments: 20 source=P44029\_ASSIGN#page1.tif source=P44029\_ASSIGN#page2.tif source=P44029\_ASSIGN#page3.tif source=P44029\_ASSIGN#page4.tif source=P44029\_ASSIGN#page5.tif source=P44029\_ASSIGN#page6.tif source=P44029\_ASSIGN#page7.tif source=P44029\_ASSIGN#page8.tif source=P44029\_ASSIGN#page9.tif source=P44029\_ASSIGN#page10.tif source=P44029\_ASSIGN#page11.tif source=P44029\_ASSIGN#page12.tif source=P44029\_ASSIGN#page13.tif source=P44029\_ASSIGN#page14.tif source=P44029\_ASSIGN#page15.tif source=P44029\_ASSIGN#page16.tif source=P44029\_ASSIGN#page17.tif source=P44029\_ASSIGN#page18.tif source=P44029\_ASSIGN#page19.tif

source=P44029\_ASSIGN#page20.tif

#### ASSIGNMENT

WHEREAS, Kazuhito HASHIMOTO, a citizen of JAPAN, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, Kayano SUNADA, a citizen of JAPAN, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, Masahiro MIYAUCHI, a citizen of JAPAN, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, Xiaoqing QIU, a citizen of CHINA, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, Yoshinobu KUBOTA, a citizen of JAPAN, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, Hitoshi ISHIGURO, a citizen of JAPAN, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, Ryuichi NAKANO, a citizen of JAPAN, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, Jitsuo KAJIOKA, a citizen of JAPAN, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, and Yanyan YAO, a citizen of CHINA, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

# **Agent for Virus Inactivation**

for which they have executed, on the same date as this assignment, an application for Letters Patent for the United States to be filed in the United States Patent and Trademark Office, which Application is a National Stage of International Application No. PCT/JP2010/073087, filed December 22, 2010.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the practitioners of record in this application associated with Customer No. **07055** including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, James L. Rowland, Reg. No. 32,674, Stephen M. Roylance, Reg. No. 31,296, Leslie J. Paperner, Reg. No. 33,329, William Pieprz, Reg. No. 33,630, Robert W. Mueller, Reg. No. 35,043, William E. Lyddane, Reg. No. 41,568 and William S. Boshnick, Reg. No. 44,550, of the firm Greenblum & Bernstein, P.L.C., whose address is 1950 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. 13/994,406 , filed June 14, 2013 ) the filing date and application number of said application when known.

AND WHEREAS, **THE UNIVERSITY OF TOKYO**, a university and existing under the laws of JAPAN, whose post-office address is 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN and **KANAGAWA ACADEMY OF SCIENCE AND TECHNOLOGY**, a corporation organized and existing under the laws of JAPAN, whose post-office address is 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, hereinafter known as the ASSIGNEES, are each desirous of acquiring an equal undivided interest in the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof.

{P44029 01752518.DOC}

P44029 Page 2

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEES, their assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement thereunder, said ASSIGNEES and their assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations, and prolongations thereof, for the use and benefit of said ASSIGNEES and their assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEES, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEES, their assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective dates indicated below.

First Witness:	
Mouoko Sharr	
(Name) Momoko IHARA	1 7
July 9, 2013	xagel V7-) tito
(Date)	Kazuhito HASHIMOTO
	July 9, 2013
Second Witness:	Date
Aya UMEDA	
(Name) Aya UMEDA	
July 9, 2013 (Date)	

P44029 First Witness:	Page 3
Mounto Than	
(Name)Momoko IHARA	
July 9, 2013 (Date)	Kayano SUNADA
(240)	·
Second Witness:	July 9, 2013  Date
Aya UMEDA (Name) Aya UMEDA	
July 9, 2013	
(Date)	
First Witness:	
Momoko Shara	
(Name) Momoko IHARA	
July 9, 2013	Masahire Myanh
(Date)	Masahiro MIYAUCHI
	July 9, 2013
Second Witness:	Date
Aya UMEDA (Name) Aya UMEDA	
(Name) Aya UMEDA	
July 9, 2013	
(Date)	
First Witness:	
Mouoko Thara	
(Name) Momoko IHARA.	
Tul 0 2012	XDagging Xiu
July 9, 2013 (Date)	Xtaging QIU Xiaoqing QIU
	July 9, 2013
Second Witness:	Date
Aya UMEDA	
(Name) Aya UMEDA	
July 9, 2013	
(Date)	

{P44029 01752518.DOC}

P44029 First Witness:		Page 4
(Name)		
(Date)	Yoshinobu KUBOTA	
Second Witness:	Date	· · ·
(Name)		
(Date)		
First Witness:	6	
(Name)		
(Date)	Hitoshi ISHIGURO	
Second Witness:	Date	
(Name)		
(Date)		
First Witness:		
(Name)	<u> </u>	
(Date)	Ryuichi NAKANO	
Second Witness:	Date	
(Name)		
(Date) {P44029 01752518.DOC}	<del></del>	

P44029 First Witness:	Page 5
(Name)	
(Date)	Jitsuo KAJIOKA
Second Witness:	Date
(Name)	
(Date)	
First Witness:	
(Name)	
(Date)	Yanyan YAO
Second Witness:	Date
(Name)	

(Date)

#### ASSIGNMENT

WHEREAS, Kazuhito HASHIMOTO, a citizen of JAPAN, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, Kayano SUNADA, a citizen of JAPAN, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, Masahiro MIYAUCHI, a citizen of JAPAN, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, Xiaoqing QIU, a citizen of CHINA, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, Yoshinobu KUBOTA, a citizen of JAPAN, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, Hitoshi ISHIGURO, a citizen of JAPAN, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, Ryuichi NAKANO, a citizen of JAPAN, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, Jitsuo KAJIOKA, a citizen of JAPAN, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, and Yanyan YAO, a citizen of CHINA, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

### **Agent for Virus Inactivation**

for which they have executed, on the same date as this assignment, an application for Letters Patent for the United States to be filed in the United States Patent and Trademark Office, which Application is a National Stage of International Application No. PCT/JP2010/073087, filed December 22, 2010.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the practitioners of record in this application associated with Customer No. 07055 including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, James L. Rowland, Reg. No. 32,674, Stephen M. Roylance, Reg. No. 31,296, Leslie J. Paperner, Reg. No. 33,329, William Pieprz, Reg. No. 33,630, Robert W. Mueller, Reg. No. 35,043, William E. Lyddane, Reg. No. 41,568 and William S. Boshnick, Reg. No. 44,550, of the firm Greenblum & Bernstein, P.L.C., whose address is 1950 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. 13/994,406 June 14, 2013) the filing date and application number of said application when known.

AND WHEREAS, THE UNIVERSITY OF TOKYO, a university and existing under the laws of JAPAN, whose post-office address is 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN and KANAGAWA ACADEMY OF SCIENCE AND TECHNOLOGY, a corporation organized and existing under the laws of JAPAN, whose post-office address is 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, hereinafter known as the ASSIGNEES, are each desirous of acquiring an equal undivided interest in the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof.

{P44029 01752518.DOC}

P44029 Page 2

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEES, their assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement thereunder, said ASSIGNEES and their assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations, and prolongations thereof, for the use and benefit of said ASSIGNEES and their assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEES, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEES, their assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective dates indicated below.

Kazuhito HASHIMOTO
Date
·

P44029	Page 3
First Witness:	
(Name)	
(Date)	Kayano SUNADA
Second Witness:	Date
(Name)	
(Date)	
First Witness:	
(Name)	
(Date)	Masahiro MIYAUCHI
Second Witness:	Date
(Name)	
(Date)	
First Witness:	
(Name)	
(Date)	Xiaoqing QIU
Second Witness:	Date
(Name)	
(Date)	

{P44029 01752518,DOC}

P44029 First Witness:	Page 4
Name) Yoichi GOTO	
September 4, 2013 (Date)	Vachinghu Luhota
(Date)	Yoshinobu KUBOTA
Second Witness:	September 4, 2013  Date
	Date
<u> Nyaka Ishiyama</u> (Name) Ayako ISHIYAMA	
(2.1.1.2.2)	
September 4, 2013	
(Date)	
First Witness:	
(Name)	
(Date)	Hitoshi ISHIGURO
Second Witness:	Date
(Name)	
(Date)	
First Witness:	
Akivo Nakano	
Akiyo Nakano (Name) Akiyo NAKANO	7 2 1 1 1
September 4, 2013	Rywisho Nakano
(Date)	Ryuichi NAKANO
	September 4, 2013
Second Witness:	Date
Moich Loto (Name) Yoichi GOTO	
(Name) Yoichi GOTO	
September 4, 2013	
(Date)	

P44029	Page 5
First Witness:	
yoich Loto	
(Name) Yoichi GOTO	
September 4, 2013	Jitsuo Leages fea
(Date)	Jitsuo KAJIOKA
	September 4, 2013
Second Witness:	Date
Takako Yamamoto	
(Name) Takako YAMAMOTO	
September 4, 2013	
(Date)	
First Witness:	
(Name)	
(Date)	Yanyan YAO
Second Witness:	Date
(Name)	

(Date)

#### ASSIGNMENT

WHEREAS, Kazuhito HASHIMOTO, a citizen of JAPAN, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, Kayano SUNADA, a citizen of JAPAN, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, Masahiro MIYAUCHI, a citizen of JAPAN, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, Xiaoqing QIU, a citizen of CHINA, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, Yoshinobu KUBOTA, a citizen of JAPAN, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, Hitoshi ISHIGURO, a citizen of JAPAN, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, Ryuichi NAKANO, a citizen of JAPAN, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, Jitsuo KAJIOKA, a citizen of JAPAN, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, and Yanyan YAO, a citizen of CHINA, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

# Agent for Virus Inactivation

for which they have executed, on the same date as this assignment, an application for Letters Patent for the United States to be filed in the United States Patent and Trademark Office, which Application is a National Stage of International Application No. PCT/JP2010/073087, filed December 22, 2010.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the practitioners of record in this application associated with Customer No. **07055** including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, James L. Rowland, Reg. No. 32,674, Stephen M. Roylance, Reg. No. 31,296, Leslie J. Paperner, Reg. No. 33,329, William Pieprz, Reg. No. 33,630, Robert W. Mueller, Reg. No. 35,043, William E. Lyddane, Reg. No. 41,568 and William S. Boshnick, Reg. No. 44,550, of the firm Greenblum & Bernstein, P.L.C., whose address is 1950 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. 13/994,406 , filed June 14, 2013 ) the filing date and application number of said application when known.

AND WHEREAS, THE UNIVERSITY OF TOKYO, a university and existing under the laws of JAPAN, whose post-office address is 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN and KANAGAWA ACADEMY OF SCIENCE AND TECHNOLOGY, a corporation organized and existing under the laws of JAPAN, whose post-office address is 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, hereinafter known as the ASSIGNEES, are each desirous of acquiring an equal undivided interest in the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof.

{P44029 01752518,DOC}

P44029 Page 2

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEES, their assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement thereunder, said ASSIGNEES and their assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations, and prolongations thereof, for the use and benefit of said ASSIGNEES and their assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEES, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEES, their assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective dates indicated below.

First Witness:	
(Name)	
(Date)	Kazuhito HASHIMOTO
Second Witness:	Date
(Name)	
(Date)	

P44029 First Witness:	Page 3
(Name)	
(Date)	Kayano SUNADA
Second Witness:	Date
(Name)	
(Date)	
First Witness:	
(Name)	
(Date)	Masahiro MIYAUCHI
Second Witness:	Date
(Name)	
(Date)	
First Witness:	
(Name)	
(Date)	Xiaoqing QIU
Second Witness:	Date
(Name)	
(Date) {P44029 01752518.DOC}	

P44029 First Witness:	Page 5
(Name)	
(Date)	Jitsuo KAJIOKA
Second Witness:	Date
(Name)	
(Date)	_
First Witness:	
(Name)	_
(Date)	Yanyan YAO
Second Witness:	Date
(Name)	_
(Date)	_

#### **ASSIGNMENT**

WHEREAS, Kazuhito HASHIMOTO, a citizen of JAPAN, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, Kayano SUNADA, a citizen of JAPAN, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, Masahiro MIYAUCHI, a citizen of JAPAN, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, Xiaoqing QIU, a citizen of CHINA, whose post office address is c/o The University of Tokyo, 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN, Yoshinobu KUBOTA, a citizen of JAPAN, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, Hitoshi ISHIGURO, a citizen of JAPAN, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, Ryuichi NAKANO, a citizen of JAPAN, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, Jitsuo KAJIOKA, a citizen of JAPAN, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, and Yanyan YAO, a citizen of CHINA, whose post office address is c/o Kanagawa Academy of Science and Technology, 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

### **Agent for Virus Inactivation**

for which they have executed, on the same date as this assignment, an application for Letters Patent for the United States to be filed in the United States Patent and Trademark Office, which Application is a National Stage of International Application No. PCT/JP2010/073087, filed December 22, 2010.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the practitioners of record in this application associated with Customer No. 07055 including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, James L. Rowland, Reg. No. 32,674, Stephen M. Roylance, Reg. No. 31,296, Leslie J. Paperner, Reg. No. 33,329, William Pieprz, Reg. No. 33,630, Robert W. Mueller, Reg. No. 35,043, William E. Lyddane, Reg. No. 41,568 and William S. Boshnick, Reg. No. 44,550, of the firm Greenblum & Bernstein, P.L.C., whose address is 1950 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. 13/994,406 , filed June 14, 2013 ) the filing date and application number of said application when known.

AND WHEREAS, THE UNIVERSITY OF TOKYO, a university and existing under the laws of JAPAN, whose post-office address is 3-1, Hongo 7-chome, Bunkyo-ku, Tokyo 113-8654 JAPAN and KANAGAWA ACADEMY OF SCIENCE AND TECHNOLOGY, a corporation organized and existing under the laws of JAPAN, whose post-office address is 2-1, Sakado 3-chome, Takatsu-ku, Kawasaki-shi, Kanagawa 213-0012 JAPAN, hereinafter known as the ASSIGNEES, are each desirous of acquiring an equal undivided interest in the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof.

P44029 Page 2

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEES, their assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement thereunder, said ASSIGNEES and their assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations, and prolongations thereof, for the use and benefit of said ASSIGNEES and their assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEES, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEES, their assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective dates indicated below.

First Witness:	
(Name)	
(Date)	Kazuhito HASHIMOTO
Second Witness:	Date
(Name)	
(Date)	

P44029 First Witness:	Page 3
THST WILLIOSS.	
(Name)	
(Date)	Kayano SUNADA
Second Witness:	Date
(Name)	
(Date)	
First Witness:	
(Name)	
(Date)	Masahiro MIYAUCHI
Second Witness:	Date
(Name)	
(Date)	
First Witness:	
(Name)	
(Date)	Xiaoqing QIU
Second Witness:	Date
(Name)	
(Date) {P44029 01752518.DOC}	

P44029 First Witness:	Page 4
(Name)	
(Date)	Yoshinobu KUBOTA
Second Witness:	Date
(Name)	
(Date)	
First Witness:	
(Name)	
(Date)	Hitoshi ISHIGURO
Second Witness:	Date
(Name)	
(Date)	
First Witness:	
(Name)	
(Date)	Ryuichi NAKANO
Second Witness:	Date
(Name)	
(Date) {P44029 01752518.DOC}	

P44029 First Witness:	Page 5
(Name)	
(Date)	Jitsuo KAJIOKA
Second Witness:	Date
(Name)	
(Date)	
First Witness:	
Bi JiaYu	
(Name) Bi JIAYU	
2013.8.26	Yanyan Yao  Yanyan Yao  Aug. 26th, 2013  Date
(Date)	Yanyan YAO
	Aug. 26th, 2013
Second Witness:	Date (
Xiaojialy XV (Name) Xiaojiang XU	
(Name) Xiaojiang XU	
2013. 8.26	
(Date)	•