

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4319123

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | NICOLA RANIERI | 04/16/2010 |
| | MARK R. WITKOWSKI | 04/16/2010 |
| | ROBERT HAMMAKER | 04/21/2010 |
| | WILLIAM G. FATELEY | 09/06/2016 |
| RECEIVING PARTY DATA | | |
| Name: | THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH & HUMAN SERVICES | |
| Street Address: | 6011 EXECUTIVE BOULEVARD, SUITE 325 | |
| City: | ROCKVILLE | |
| State/Country: | MARYLAND | |
| Postal Code: | 20852 | |
| PROPERTY NUMBERS Total: 1 | | |
| | Property Type | Number |
| | Application Number: | 15332908 |
| CORRESPONDENCE DATA | | |
| Fax Number: | (617)227-4420 | |
| <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> | | |
| Phone: | 617-239-0100 | |
| Email: | joy.whitney@lockelord.com | |
| Correspondent Name: | LOCKE LORD LLP | |
| Address Line 1: | PO BOX 55874 | |
| Address Line 4: | BOSTON, MASSACHUSETTS 02205 | |
| ATTORNEY DOCKET NUMBER: | 1420378.343US3 | |
| NAME OF SUBMITTER: | JOY WHITNEY | |
| SIGNATURE: | /joy whitney/ | |
| DATE SIGNED: | 03/15/2017 | |
| Total Attachments: 7 | | |
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**ASSIGNMENT FOR NIH/FDA INVENTIONS
(NIH OR FDA CO-INVENTORS ONLY)**

WHEREAS, I/we, Nicola Ranieri, Mark R. Witkowski, William G. Fateley, and Robert Hammaker, residing at 241 Dakota Run, Maineville, Ohio 45039, 7957 Millwheel Way West, Chester, Ohio 45069, 759 Moorwood Street, Green Valley, Arizona 85614, and 3008 Payne Drive, Manhattan, Kansas 66503, respectively, an employee/employees of the the National Institutes of Health, a component of the United States Department of Health and Human Services having an address at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, Bethesda, MD 20892-7660, [hereinafter **The Inventors**], have made certain inventions as described and claimed in the International Patent Application having PCT Application No. PCT/US2010/029502, filed March 31, 2010, designating the United States, which application claims the benefit of U.S. Provisional Application No. 61/165,395, filed March 31, 2009, and which is entitled "DEVICE AND METHOD FOR DETECTION OF COUNTERFEIT PHARMACEUTICALS AND/OR DRUG PACKAGING" ("PCT Application") and;

WHEREAS, I/we are the applicant(s) named in the above-identified U.S. Application; and

WHEREAS, the inventions described and claimed therein were made under conditions such as to entitle **THE UNITED STATES OF AMERICA**, as represented by the Secretary, Department of Health and Human Services [hereinafter **THE GOVERNMENT**] under Executive Order 10096 and its amendments, 35 USC §§200-201, §§206-207, and §210 and 37 CFR Part 501 to the entire right, title, and interest in such inventions; and

WHEREAS, **THE GOVERNMENT** is desirous of acquiring all domestic and foreign right, title, and interest in the inventions described and claimed in the U.S. Application; and

NOW, THEREFORE, having the legal obligation to assign my/our right, title and interest in the inventions described and claimed in the above-identified patent application to **THE GOVERNMENT**, having a place of business at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, Bethesda, MD 20892-7660 and for consideration, the receipt and sufficiency of which are hereby acknowledged, I/we hereby assign and transfer to **THE GOVERNMENT**:

the entire right, title, and interest in and to any and all inventions described and claimed in said U.S. Application and any and all Letters Patent which may be granted thereon, and any and all continuations, divisions, reissues or extensions thereof; and

all rights to claim priority on the basis of said U.S. Application including but not limited to applications filed through the provisions of the Patent Cooperation Treaty ("PCT Applications"); and

all applications for Letters Patent that may be filed for any and all inventions described and claimed in said U.S. Application that may be filed in any foreign country and all Letters Patents that may be granted thereon in any foreign country and all extensions, renewals, and reissues thereof; and

any and all such Letters Patents as may be granted in the United States or any foreign country 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/we further agree to make, execute, and deliver to **THE GOVERNMENT**, 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.

IN WITNESS WHEREOF we subscribe our hands and seals on the dates shown below:

Inventor 1:

4/16/2010

Date


Nicola Kanieri

County of _____ Ss:

State of _____

Subscribed and sworn to before me this ____ day of _____, 2010.

[Seal]

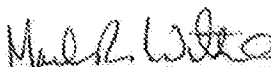
Notary Public for _____

My Commission Expires: _____

Inventor 2:

4/16/2010

Date


Mark R. Witkowski

County of _____ Ss:

State of _____

Subscribed and sworn to before me this ____ day of _____, 2010.

[Seal]

Notary Public for _____

My Commission Expires: _____

IN WITNESS WHEREOF we subscribe our hands and seals on the dates shown below:

| | |
|---|------------------------------|
| Inventor 3: | |
| _____ | _____ |
| Date | William G. Fateley |
| County of _____ | Ss: _____ |
| State of _____ | |
| Subscribed and sworn to before me this ____ day of _____, 2010. | |
| [Seal] | _____ |
| | Notary Public for _____ |
| | My Commission Expires: _____ |

| | |
|---|------------------------------|
| Inventor 4: | |
| 4/21/2010 | Robert M. Hammaker |
| Date | Robert Hammaker |
| County of _____ | Ss: _____ |
| State of _____ | |
| Subscribed and sworn to before me this ____ day of _____, 2010. | |
| [Seal] | _____ |
| | Notary Public for _____ |
| | My Commission Expires: _____ |

**ASSIGNMENT FOR NIH/FDA/CDC INVENTIONS AIA
(NIH OR FDA OR CDC CO-INVENTORS) ONLY**

WHEREAS, we, Nicola Ranieri; Mark R. Witkowski; William G. Fateley; and Robert Hammaker, residing at 241 Dakota Run, Maineville, Ohio 45039; 7957 Millwheel Way West, West Chester, Ohio 45069; 418 Poyntz Avenue, Manhattan, Kansas, USA, 66502; and 3008 Payne Drive, Manhattan, Kansas 66503, respectively, employees of the National Institutes of Health, a component of the United States Department of Health and Human Services having an address at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, Bethesda, MD 20892-7660 [hereinafter **The Inventors**], have made certain inventions as described and claimed in the U.S. Patent Application having United States Serial Number 13/262,371, filed September 30, 2011, and also filed as an International Patent Application having the Serial Number PCT/US2010/029502, filed on March 31, 2010, both of which are titled "DEVICE AND METHOD FOR DETECTION OF COUNTERFEIT PHARMACEUTICALS AND/OR DRUG PACKAGING"; and also filed as United States Provisional Patent Application Serial Number 61/165,395, on March 31, 2009, titled "DEVICE AND METHOD FOR DETECTION OF COUNTERFEIT PHARMACEUTICALS";

all of which are collectively referred to as "The Patent Application(s)".

WHEREAS, we are the inventors named in The Patent Application(s); and

WHEREAS, the inventions described and claimed in The Patent Application(s) were made under conditions such as to entitle **THE UNITED STATES OF AMERICA**, as represented by the Secretary, Department of Health and Human Services [hereinafter **THE GOVERNMENT**] under Executive Order 10096 and its amendments, 35 USC §§200-202, §§206-§207, and §210 and 37 CFR Part 501 to the entire right, title, and interest in such inventions; and

WHEREAS, **THE GOVERNMENT** is desirous of acquiring all domestic and foreign right, title, and interest in the inventions described and claimed in The Patent Application(s); and

NOW, THEREFORE, having the legal obligation to assign our, title and interest in the inventions described and claimed in The Patent Application(s) to **THE GOVERNMENT**, having a place of business at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, Bethesda, MD 20892-7660 and for consideration, the receipt and sufficiency of which are hereby acknowledged, we hereby assign and transfer to **THE GOVERNMENT**:

the entire right, title, and interest in and to any and all inventions described and claimed in The Patent Application(s) and any and all Letters Patent which may be granted thereon, and any and all continuations, divisions, reissues or extensions thereof; and

all rights to claim priority on the basis of The Patent Application(s) including but not limited to applications filed through the provisions of the Patent Cooperation Treaty ("PCT Applications"); and

all applications for Letters Patent that may be filed for any and all inventions described and claimed in The Patent Application(s) that may be filed in any foreign country and all Letters Patents that may be granted thereon in any foreign country and all extensions, renewals, and reissues thereof; and

any and all such Letters Patents as may be granted in the United States or any foreign country 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.

We further agree to make, execute, and deliver to **THE GOVERNMENT**, 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.

IN WITNESS WHEREOF we subscribe our hands and seals on the dates shown below:

Inventor 1:

| | |
|---|------------------------------|
| _____ | _____ |
| Date | Nicola Ranieri |
| County of _____ | |
| State of _____ | |
| Subscribed and sworn to before me this _____ day of _____, _____. | |
| [Seal] | |
| | Notary Public for _____ |
| | My Commission Expires: _____ |

Inventor 2:

| | |
|---|------------------------------|
| _____ | _____ |
| Date | Mark R. Witkowski |
| County of _____ | |
| State of _____ | |
| Subscribed and sworn to before me this _____ day of _____, _____. | |
| [Seal] | |
| | Notary Public for _____ |
| | My Commission Expires: _____ |

Inventor 3:

9-6-16
Date

Wanda Fateley, legal representative of
William G. Fateley (Deceased)

County of Pottawatomie

State of Kansas

Subscribed and sworn to before me this 6th day of September, 2016.

[Seal] NOTARY PUBLIC
STATE OF KANSAS
TANJA EHM
My Appointment Expires 9-10-17

Notary Public for Kansas

My Commission Expires: 9-10-17

Inventor 4:

Date

Robert Hammaker

County of _____

State of _____

Subscribed and sworn to before me this _____ day of _____, _____

[Seal]

Notary Public for _____

My Commission Expires: _____