

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4250566

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WALID HENEINE	03/10/2015
THOMAS M. FOLKS	03/11/2015
ROBERT JANSSEN	03/16/2015
RONALD A. OTTEN	03/10/2015
JOSE GERARDO GARCIA LERMA	03/10/2015
RECEIVING PARTY DATA	
Name:	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES
Street Address:	6011 EXECUTIVE BOULEVARD, SUITE 325, MSC 7660
Internal Address:	OFFICE OF TECHNOLOGY TRANSFER, NATIONAL INSTITUTES OF HEALTH
City:	BETHESDA
State/Country:	MARYLAND
Postal Code:	20892-7660
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15406344
CORRESPONDENCE DATA	
Fax Number:	(503)595-5301
<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:	5035955300
Email:	adrienne.chocholak@klarquist.com
Correspondent Name:	KLARQUIST SPARKMAN, LLP
Address Line 1:	121 SW SALMON STREET, SUITE 1600
Address Line 2:	ONE WORLD TRADE CENTER
Address Line 4:	PORTLAND, OREGON 97204
ATTORNEY DOCKET NUMBER:	4239-92970-14
NAME OF SUBMITTER:	SUSAN ALPERT SIEGEL
SIGNATURE:	/Susan Alpert Siegel/

DATE SIGNED:	01/30/2017
---------------------	------------

Total Attachments: 16
source=4239-92970-14_Assignment#page1.tif
source=4239-92970-14_Assignment#page2.tif
source=4239-92970-14_Assignment#page3.tif
source=4239-92970-14_Assignment#page4.tif
source=4239-92970-14_Assignment#page5.tif
source=4239-92970-14_Assignment#page6.tif
source=4239-92970-14_Assignment#page7.tif
source=4239-92970-14_Assignment#page8.tif
source=4239-92970-14_Assignment#page9.tif
source=4239-92970-14_Assignment#page10.tif
source=4239-92970-14_Assignment#page11.tif
source=4239-92970-14_Assignment#page12.tif
source=4239-92970-14_Assignment#page13.tif
source=4239-92970-14_Assignment#page14.tif
source=4239-92970-14_Assignment#page15.tif
source=4239-92970-14_Assignment#page16.tif

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

WHEREAS, we, Walid Heneine, Thomas M. Folks, Robert Janssen, Ronald A. Otten, and Jose Gerardo Garcia Lerma employees of the Centers for Disease Control and Prevention, are each employed by 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, and have made certain inventions as described and claimed in:

U.S. Patent Application No. 11/669,547, filed on January 31, 2007, entitled "INHIBITION OF HIV INFECTION THROUGH CHEMOPROPHYALXIS," and PCT Patent Application No. PCT/US2007/002926, filed on February 1, 2007, entitled "INHIBITION OF HIV INFECTION THROUGH CHEMOPROPHYALXIS,"

both of which applications are collectively referred to herein as "**The Patent Application(s)**"; and

WHEREAS, we are the inventor(s) 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 U.S.C. §§200-201, §§206-207, and §210 and 37 C.F.R. Part 501 to the entire right, title, and interest in such inventions; and

WHEREAS, we previously assigned our Provisional Application No. 60/764,811, filed on February 6, 2006, to CDC/The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention;

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)**;

NOW, THEREFORE, having the legal obligation to assign our right, 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)** or patent applications claiming priority therefrom, 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 Patent that may be granted thereon in any foreign country and all extensions, renewals, and reissues thereof; and

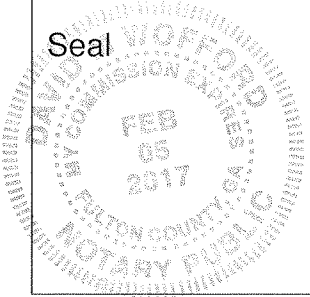
any and all such Letters Patent as may be granted in the United States or any foreign country to be held by **THE GOVERNMENT** to the end of the term for which the same would have been held by the inventor(s) had this assignment not been made.

We further affirm that CDC/The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention to which we assigned Provisional Application No. 60/764,811, filed on February 6, 2006, is the same entity as **THE GOVERNMENT** aforementioned in this assignment, and that the assignment of Provisional Application No. 60/764,811 was and is to the **THE GOVERNMENT**.

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: Walid Heneine	
Date <u>3/10/2015</u>	<u>[Signature]</u> Inventor Signature
County of <u>Fulton</u>	
State of <u>GA</u>	
Subscribed and sworn to before me this <u>10</u> day of <u>MARCH</u> , <u>2015</u> .	
Seal	Notary Signature: <u>[Signature]</u>
	Notary Public for the State of: <u>GA</u>
	My Commission Expires: <u>2-8-2017</u>



Inventor: Thomas M. Folks	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Robert Janssen	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: , Ronald A. Otten

Date _____

Inventor Signature _____

County of _____

State of _____

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

Seal

Notary Signature: _____

Notary Public for the State of: _____

My Commission Expires: _____

Inventor: Jose Gerardo Garcia Lerma

Date MARCH, 10, 2015

Gerardo
Inventor Signature

County of Fulton

State of GA

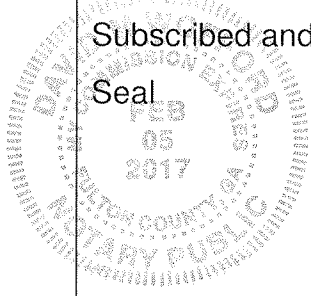
Subscribed and sworn to before me this 10 day of MARCH, 2015.

Seal

Notary Signature: *David M. Webb*

Notary Public for the State of: GA

My Commission Expires: 2-5-2017



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

WHEREAS, we, Walid Heneine, Thomas M. Folks, Robert Janssen, Ronald A. Otten, and Jose Gerardo Garcia Lerma employees of the Centers for Disease Control and Prevention, are each employed by 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, and have made certain inventions as described and claimed in:

U.S. Patent Application No. 11/669,547, filed on January 31, 2007, entitled "INHIBITION OF HIV INFECTION THROUGH CHEMOPROPHYALXIS," and PCT Patent Application No. PCT/US2007/002926, filed on February 1, 2007, entitled "INHIBITION OF HIV INFECTION THROUGH CHEMOPROPHYALXIS,"

both of which applications are collectively referred to herein as "**The Patent Application(s)**"; and

WHEREAS, we are the inventor(s) 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 U.S.C. §§200-201, §§206-207, and §210 and 37 C.F.R. Part 501 to the entire right, title, and interest in such inventions; and

WHEREAS, we previously assigned our Provisional Application No. 60/764,811, filed on February 6, 2006, to CDC/The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention;

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)**;

NOW, THEREFORE, having the legal obligation to assign our right, 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)** or patent applications claiming priority therefrom, 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 Patent that may be granted thereon in any foreign country and all extensions, renewals, and reissues thereof; and

any and all such Letters Patent 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 inventor(s) had this assignment not been made.

We further affirm that CDC/The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention to which we assigned Provisional Application No. 60/764,811, filed on February 6, 2006, is the same entity as **THE GOVERNMENT** aforementioned in this assignment, and that the assignment of Provisional Application No. 60/764,811 was and is to the **THE GOVERNMENT**.

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: Walid Heneine	
Date _____	Inventor Signature _____
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Thomas M. Folks

Date 3/11/15

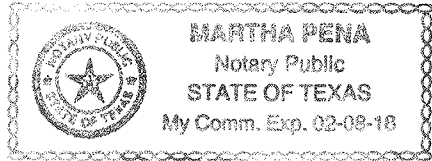
[Signature]
Inventor Signature

County of Bexar

State of Texas

Subscribed and sworn to before me this 11 day of March, 2015.

Seal



Notary Signature: [Signature]

Notary Public for the State of: TX

My Commission Expires: 2-8-14

Inventor: Robert Janssen

Date _____

Inventor Signature

County of _____

State of _____

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

Seal

Notary Signature: _____

Notary Public for the State of: _____

My Commission Expires: _____

Inventor: , Ronald A. Otten	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Jose Gerardo Garcia Lerma	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

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

WHEREAS, we, Walid Heneine, Thomas M. Folks, Robert Janssen, Ronald A. Otten, and Jose Gerardo Garcia Lerma employees of the Centers for Disease Control and Prevention, are each employed by 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, and have made certain inventions as described and claimed in:

U.S. Patent Application No. 11/669,547, filed on January 31, 2007, entitled "INHIBITION OF HIV INFECTION THROUGH CHEMOPROPHYALXIS," and PCT Patent Application No. PCT/US2007/002926, filed on February 1, 2007, entitled "INHIBITION OF HIV INFECTION THROUGH CHEMOPROPHYALXIS,"

both of which applications are collectively referred to herein as "**The Patent Application(s)**"; and

WHEREAS, we are the inventor(s) 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 U.S.C. §§200-201, §§206-207, and §210 and 37 C.F.R. Part 501 to the entire right, title, and interest in such inventions; and

WHEREAS, we previously assigned our Provisional Application No. 60/764,811, filed on February 6, 2006, to CDC/The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention;

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)**;

NOW, THEREFORE, having the legal obligation to assign our right, 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)** or patent applications claiming priority therefrom, 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 Patent that may be granted thereon in any foreign country and all extensions, renewals, and reissues thereof; and

any and all such Letters Patent 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 inventor(s) had this assignment not been made.

We further affirm that CDC/The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention to which we assigned Provisional Application No. 60/764,811, filed on February 6, 2006, is the same entity as **THE GOVERNMENT** aforementioned in this assignment, and that the assignment of Provisional Application No. 60/764,811 was and is to the **THE GOVERNMENT**.

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: Walid Heneine	
Date _____	Inventor Signature _____
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Thomas M. Folks

Date _____

Inventor Signature _____

County of _____

State of _____

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

Seal _____

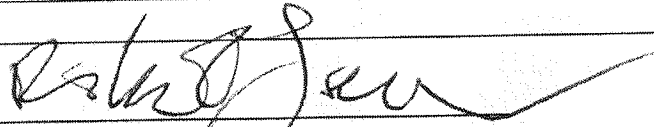
Notary Signature: _____

Notary Public for the State of: _____

My Commission Expires: _____

Inventor: Robert Janssen

Date 3-16-15


Inventor Signature

County of Alameda


State of California

Witnessed by: Elaine Alambra

Name (Print): Elaine Alambra

Address: 265 Monte Vista Drive
Napa, CA 94559

Date: 16 MAR 2015

Witnessed by: 

Name (Print): SAM JACKSON

Address: 5640 Fernhoff Road
OAKLAND, CA 94619

Date: 16 MAR 2015

Inventor: , Ronald A. Otten	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Jose Gerardo Garcia Lerma	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

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

WHEREAS, we, Walid Heneine, Thomas M. Folks, Robert Janssen, Ronald A. Otten, and Jose Gerardo Garcia Lerma employees of the Centers for Disease Control and Prevention, are each employed by 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, and have made certain inventions as described and claimed in:

U.S. Patent Application No. 11/669,547, filed on January 31, 2007, entitled "INHIBITION OF HIV INFECTION THROUGH CHEMOPROPHYALXIS," and PCT Patent Application No. PCT/US2007/002926, filed on February 1, 2007, entitled "INHIBITION OF HIV INFECTION THROUGH CHEMOPROPHYALXIS,"

both of which applications are collectively referred to herein as "**The Patent Application(s)**"; and

WHEREAS, we are the inventor(s) 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 U.S.C. §§200-201, §§206-207, and §210 and 37 C.F.R. Part 501 to the entire right, title, and interest in such inventions; and

WHEREAS, we previously assigned our Provisional Application No. 60/764,811, filed on February 6, 2006, to CDC/The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention;

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)**;

NOW, THEREFORE, having the legal obligation to assign our right, 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)** or patent applications claiming priority therefrom, 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 Patent that may be granted thereon in any foreign country and all extensions, renewals, and reissues thereof; and

any and all such Letters Patent 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 inventor(s) had this assignment not been made.

We further affirm that CDC/The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention to which we assigned Provisional Application No. 60/764,811, filed on February 6, 2006, is the same entity as **THE GOVERNMENT** aforementioned in this assignment, and that the assignment of Provisional Application No. 60/764,811 was and is to the **THE GOVERNMENT**.

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: Walid Heneine	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Thomas M. Folks

Date _____

Inventor Signature

County of _____

State of _____

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

Seal

Notary Signature: _____

Notary Public for the State of: _____

My Commission Expires: _____

Inventor: Robert Janssen

Date _____

Inventor Signature

County of _____

State of _____

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

Seal

Notary Signature: _____

Notary Public for the State of: _____

My Commission Expires: _____

Inventor: , Ronald A. Otten

Date 3/10/2015

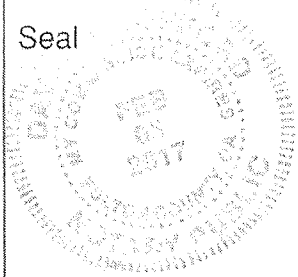
[Signature]
Inventor Signature

County of Fulton

State of GA

Subscribed and sworn to before me this 10 day of March, 2015.

Seal



Notary Signature: [Signature]

Notary Public for the State of: GA

My Commission Expires: 2-5-2017

Inventor: Jose Gerardo Garcia Lerma

Date _____

Inventor Signature

County of _____

State of _____

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

Seal

Notary Signature: _____

Notary Public for the State of: _____

My Commission Expires: _____