

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5474817

| | |
|---|---------------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | CONFIRMATORY ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| BETTE T. KORBER | 03/20/2019 |
| KARINA YUSIM | 03/25/2019 |
| RECEIVING PARTY DATA | |
| Name: | LOS ALAMOS NATIONAL SECURITY, LLC |
| Street Address: | LOS ALAMOS NATIONAL LABORATORY, LC/IP |
| City: | LOS ALAMOS |
| State/Country: | NEW MEXICO |
| Postal Code: | 87544 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| PCT Number: | US1757045 |
| CORRESPONDENCE DATA | |
| Fax Number: | (617)428-7045 |
| <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) 428-0200 |
| Email: | patentadmin@clarkelbing.com |
| Correspondent Name: | CLARK & ELBING LLP |
| Address Line 1: | 101 FEDERAL STREET |
| Address Line 2: | 15TH FLOOR |
| Address Line 4: | BOSTON, MASSACHUSETTS 02110 |
| ATTORNEY DOCKET NUMBER: | 01948-254WO2 |
| NAME OF SUBMITTER: | TODD ARMSTRONG, PH.D. |
| SIGNATURE: | /Todd Armstrong, Ph.D./ |
| DATE SIGNED: | 04/15/2019 |
| Total Attachments: 3 | |
| source=Executed Assignment (Inventors to Los Alamos)#page1.tif | |
| source=Executed Assignment (Inventors to Los Alamos)#page2.tif | |
| source=Executed Assignment (Inventors to Los Alamos)#page3.tif | |

CONFIRMATORY ASSIGNMENT

For valuable consideration, we,

| Full Name of Assignor | City | State (and Country if not USA) |
|-----------------------|------------|--------------------------------|
| Bette T. KORBER | Los Alamos | New Mexico |
| Karina YUSIM | Los Alamos | New Mexico |

hereby assign to


| Full Name of Assignee | State of Incorporation | Business Address |
|-----------------------------------|------------------------|---|
| Los Alamos National Security, LLC | Delaware | Los Alamos National Laboratory, LC/IP Los Alamos, NM 87544 |

and to its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are subject of one or more applications for United States Patent signed by us, identified as:

| Title of Application | Filing Date | Serial Number |
|--|------------------|------------------|
| SIGNATURE-BASED HUMAN IMMUNODEFICIENCY VIRUS (HIV) ENVELOPE (ENV) TRIMER VACCINES AND METHODS OF USING THE SAME | October 17, 2017 | PCT/US2017/57045 |


and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations, and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment. This assignment also includes the right to sue for past acts of infringement, whether based on any patents listed herein, patents issuing from applications listed herein, or provisional rights from any patent applications listed herein.

ASSIGNORS


Belle T. KORBER

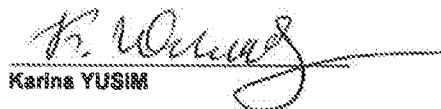
3/20/2019
Date

Witness:


Signature

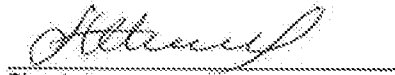
3/20/2019
Date

Bruce H. Cottrell
Printed name


Karina YUSIM

3/25/2019
Date

Witness:


Signature

3/25/2019
Date

Alexandre Chigaev
Printed name

ASSIGNEE

[Signature]
Signature

4/15/19
Date

Representative Name: David A. Sosinski

Representative Title: General Counsel

Los Alamos National Security, LLC

Witness:

Bruce H Cottrell
Signature

4/15/19
Date

Bruce H Cottrell
Printed name