

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BARTON F. HAYNES	06/15/2017
MATTIA BONSIGNORI	06/21/2017
HUA-XIN LIAO	10/09/2017
KEVIN SAUNDERS	06/21/2017
RECEIVING PARTY DATA	
Name:	DUKE UNIVERSITY
Street Address:	2812 ERWIN ROAD
Internal Address:	SUITE 306
City:	DURHAM
State/Country:	NORTH CAROLINA
Postal Code:	27705
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17199319
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ATTORNEY DOCKET NUMBER:	1234300.364 US3
NAME OF SUBMITTER:	JESSICA FELTZ
SIGNATURE:	/Jessica Feltz/
DATE SIGNED:	09/28/2021
Total Attachments: 7	

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ASSIGNMENT

WHEREAS, the undersigned, to wit:

Barton F. HAYNES residing at c/o Duke University, 2812 Erwin Road, Suite 306,
Durham, North Carolina 27705, UNITED STATES OF AMERICA;
Mattia BONSIGNORI residing at c/o Duke University, 2812 Erwin Road, Suite 306,
Durham, North Carolina 27705, UNITED STATES OF AMERICA;
Hua-Xin LIAO residing at c/o Duke University, 2812 Erwin Road, Suite 306, Durham,
North Carolina 27705, UNITED STATES OF AMERICA;
Kevin SAUNDERS residing at c/o Duke University, 2812 Erwin Road, Suite 306,
Durham, North Carolina 27705, UNITED STATES OF AMERICA

(hereinafter collectively ASSIGNORS), with Bette T. KORBER and Peter T. HRABER
have made a certain new and useful invention as set forth in an application for United States
Letters Patent, entitled:

**“COMPOSITIONS COMPRISING HIV ENVELOPES TO INDUCE CH235 LINEAGE
ANTIBODIES”**

- (a) which is being filed herewith in the United States Patent and Trademark Office;
- (b) which was filed as International Patent Application No. PCT/US2017/020249
on March 1, 2017 ;

AND WHEREAS, Duke University (hereinafter ASSIGNEE), a corporation organized
and existing under the laws of the State of North Carolina, and having its principal place of
business at 2812 Erwin Road, Suite 306, Durham, North Carolina 27705, is desirous of
acquiring the entire right, title, and interest in and to said invention and any and all patents that
may be obtained therefor, and in and to said application and any and all patents that may issue
therefrom together with co-applicant Los Alamos National Security, LLC having its principal
place of business at Los Alamos National Laboratory, LC/TAS, P.O. Box 1663, Los Alamos,
New Mexico 87545;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency
of which is hereby acknowledged, ASSIGNORS do hereby sell, assign, transfer, and set over
unto said ASSIGNEE, its successors, assigns, and legal representatives, all right, title, and
interest in and to said invention throughout the world, and any and all patents of the United
States and foreign countries that may be obtained therefor, including the right to sue for past
infringement and obtain past damages, and in and to said application, including any and all
non-provisionals, continuations, continuations-in-part, divisionals, reissues, re-examinations,
substitutions, and extensions thereof, and any and all patents of the United States and foreign
countries that may issue therefrom, such right, title, and interest including the right to file
applications and obtain patents, utility models, industrial models, and designs for said invention
in the name of said ASSIGNEE, its successors, assigns, and legal representatives, throughout
the world, including all rights of priority, all rights to publish cautionary notices reserving
ownership of said invention, and all rights to register said invention in appropriate registries;

ASSIGNORS also do hereby covenant that they have the full right to convey the entire right, title, and interest herein assigned, and that they have not and will not execute any agreement in conflict herewith;

ASSIGNORS also do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application, including any continuations, continuations-in-part, divisions, reissues, re-examinations, substitutions, and extensions thereof, to said ASSIGNEE, its successors, assigns, and legal representatives as the ASSIGNEE of the entire right, title, and interest herein assigned;

ASSIGNORS also do hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to perfect the entire right, title, and interest in said application, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom said ASSIGNEE, its successors, assigns, and legal representatives, and generally do everything possible to vest the entire right, title, and interest herein assigned in said ASSIGNEE, its successors, assigns, and legal representatives;

ASSIGNORS also do hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

DUKE UNIVERSITY

All practitioners at Customer Number 134544.

This ASSIGNMENT is effective as of March 1, 2017 .

ASSIGNEE hereby acknowledges and accepts the foregoing assignment.

The undersigned is authorized to act on behalf of ASSIGNEE, Duke University

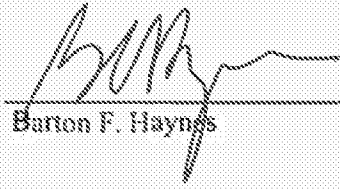
Signature:  Date: 30 June 2017

Name: Eric F. Wagner

Title: Associate Director - Legal

6/15/2017

Date

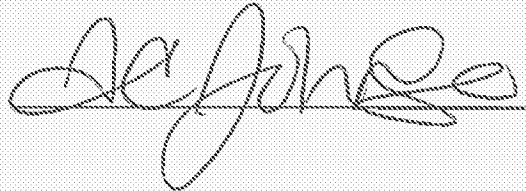


Barton F. Haynes

Witness:

6.15.17

Date



6/2/2017
Date

Mattia Bonsignori
Mattia Bonsignori

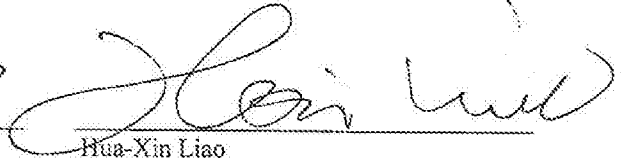
Witness:

6.21.17
Date

[Signature]

10/9/2017

Date

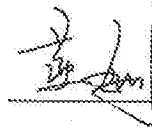


Hua-Xin Liao

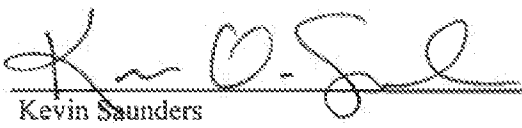
Witness:

10/9/2017

Date



21 June 2017
Date


Kevin Saunders

Witness:

6.21.17
Date

