505582333 07/22/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5629132

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAVIER GORDON OGEMBO	01/04/2019
TRUDY MORRISON	12/13/2018

RECEIVING PARTY DATA

Name:	UNIVERSITY OF MASSACHUSETTS
Street Address:	ONE BEACON STREET, 31ST FLOOR
City:	BOSTON
State/Country:	MASSACHUSETTS
Postal Code:	02108

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16389701

CORRESPONDENCE DATA

Fax Number: (510)788-8786

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.

Phone: 5107888781

Email: aaeverson@medlencarroll.com,rldalton@medlencarroll.com,docketing@medlencarroll

Correspondent Name:MEDLEN AND CARROLL, LLPAddress Line 1:1440 BROADWAY, SUITE 1440Address Line 4:OAKLAND, CALIFORNIA 94612

ATTORNEY DOCKET NUMBER:	UMASS-W-19338
NAME OF SUBMITTER:	ABBY EVERSON
SIGNATURE:	/abby everson/
DATE SIGNED:	07/22/2019

Total Attachments: 4

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PATENT 505582333 REEL: 049816 FRAME: 0303

Patent Application S/N 16/389,701 Attorney Docket No.: UMASS-W-19338

	RECORDATION FORM COVER SHEET		U.S. Department of Commerce
Form PTO-1595	PATENTS ONLY		Patent and Trademark Office
To the Honorable Commission	ner of Patents and Trademarks:	Please record the attached origin	nal documents or copy thereof.
1. Name of conveying pa Javier Gordon Ogembo Trudy Morrison		2. Name and address of University of Massachusetts One Beacon Street, 31st Flor Boston, MA 02108	
Additional name(s) of conveying j	party(ies) attached? No	Additional name(s) &	à address(es) attached? No
3. Nature of conveyance: Assignment Execution Date: 01/04/2019 12/13/2018			
4. Title of Invention: Virus-Like Particle Compositions and Vaccines Against Epstein-Barr Virus Infection and Disease			
A. New Patent Application	No.(s): 16/389,701	B. Patent No.(s	s): N.A .
Additional numbers attached? No			
5. Name and address of par concerning document sho	ty to whom correspondence ould be mailed:	6. Total number of appl	ications and patents involved: 1
Peter G. Carroll MEDLEN & CARROLL, LLI 1440 Broadway, Suite 10		7. Total fee(s): Effective Janus submission, payment in the an fee) is not submitted.	ary 01, 2014, as an electronic nount of \$40 (\$40 Recordation
Oakland, California 9461			hereby authorized to charge any dit any overpayment to Deposit
	DO NOT USI	E THIS SPACE	
9. Statement and Signature: To the best of my knowledge and loriginal document.	pelief, the foregoing information	n is true and correct and any att	ached copy is a true copy of the
Date: <u>July 19, 2019</u>		Signature: Mahattama	dan
		Name: Maha A. Hamdan	
		Reg. No.: 43,655	

In accordance with C.F.R. 1.63(d)(iv), the attached Assignment is to be used for Continuation Appln 16/389,701, Entitled: Virus-Like Particle Compositions and Vaccines Against Epstein-Barr Virus Infection and Disease, Filed: 04/19/2019, Attorney Docket No. UMASS-W-19338

Attorney Docket No.: UMASS-W-18748

ASSIGNMENT

WHEREAS, Wc, Javier Gordon Ogembo and Trudy Morrison, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

> Title of invention: Virus-Like Particle Compositions and Vaccines Against Epstein-Barr Virus Infection and Disease

Filing Date: 9/15/2017 Serial No.: 15/558,942

WHEREAS, University of Massachusetts, One Beacon Street, 31st Floor, Beston, MA 02108, herein after referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and treasfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has bereunto signed ASSIGNOR's names to this assignment on the date indicated below. 1-8-4 SILVERNIA

Javier Gordon Ogembo	Date	Trudy Morrison	Date
STATE OF	ì		
•) \$5.		
COUNTY OF)		ne, the undersigned notary public, personall ctory evidence) to be the person whose nam
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On this day of _	***************************************	in the yest at before r	ne, the undersigned notary public, personall
appeared the above-named ASSI	GNOR, known to me issue	ক্ষেমী to me on the basis of satisfa	ctory evidence) to be the person whose nam
is subscribed to the within instru	ment, and arlow ledged the	it he/she executed the same.	
	AND DESCRIPTION OF THE PROPERTY OF		Colfornia Compilant Notary
is subscribed to the within instru		(4	Acknowledgment/yeast Attoched
Married Control of the Control of th		A	OTARY PUBLIC

SEAL.

PATENT REEL: 049816 FRAME: 0305

CALIFORNIA ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verificate which this certificate is attached, and not the truthluiness.	fies only the identity of the individual who signed the document accuracy, or validity of that document.
State of California County of Las ANGCAS	
On JUNUAY 4, 2019 before me, 51	horry Deleo, Notury Public. Hele insent Name and Title office Officer
personally appeared VAVICE COTION	QQQQQ Vankis) of Signeris)
who proved to me on the basis of satisfactory evidence to the within instrument and acknowledged to me that authorized capacity(les), and that by higher/heer signs upon behalf of which the person(e) acted, executed the	sture(s) on the instrument the person(s), or the entity
SHERRY DELEO Commission No. 2112360 NOTARY PROJECT COLORY LOS ANGELES COLORY By Comm Express June 17, 2019	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. WITNESS my hand and official seal.
Place Notary Seal and/or Stamp Above	Signature <u>Signatury Ob Hor</u> Signatury of Notary Public
Completing this information can a	ONAL leter alteration of the document or lorgical form to an unintended document.
Description of Attached Document Title or Type of Document: 45/94/064/ Document Date: 4/20/9 Signer(s) Other Than Named Above: 1/20/9	Attenney Dycket No: Umaso- 2) 519 ners
Capacity(les) Claimed by Signer(s) Signer's Name: //////	Signer's Name: C Corporate Officer – Title(s): D Pertner Q Limited D Attorney in Fact D Individual D Guardian or Conservator D Cother: Signer's Representing:

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In accordance with C.F.R. 1.63(d)(iv), the attached Assignment is to be used for Continuation Appln 16/389,701, Entitled: Virus-Like Particle Compositions and Vaccines Against Epstein-Barr Virus Infection and Disease, Filed: 04/19/2019, Attorney Docket No. UMASS-W-19338

Attorney Docket No.: UMASS-W-18748

ASSIGNMENT

WHEREAS, We, Javier Gordon Ogembo and Trudy Morrison, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent;

> Title of Invention: Virus-Like Particle Compositions and Vaccines Against Epstein-Barr Virus Infection and Disease

Filing Date: 9/15/2017 Serial No.: 15/558,942

WHEREAS, University of Massachusetts, One Beacon Street, 31st Floor, Boston, MA 02108, herein after referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has bereunto signed ASSIGNOR's names to this assignment on the date indicated below.

<u>vii</u> 12/13/2018 Javier Gordon Ogembo

STATE OF Mascalhusette

On this <u>13¹⁴¹</u> day of <u>DUNALUS</u>, in the year of <u>2018</u>, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name

is subscribed to the within instrument, and acknowledged that he/she executed the same.

SEAL.

KATHLEEN Notery Pub Commonwealth of Mi My Commission Espires Centralises 24, 2023

PATENT

REEL: 049816 FRAME: 0307