505848262 01/06/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5895198

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYAN	ICE:	ASSIGNMENT	
CONVEYING PARTY DA	٩ΤΑ		
		Name	Execution Date
ROY CURTISS III			12/18/2009
SHIFENG WANG		12/18/2009	
SOO-YOUNG WANDA		12/18/2009	
WEI KONG			12/18/2009
RECEIVING PARTY DA	TA		
Name:	THE ARIZONA BOARD OF REGENTS FOR AND ON BEHALF OF ARIZONA STATE UNIVERSITY		
Street Address:	699 S.	MILLS AVENUE	
Internal Address:	SUITE	601, ROOM 691AA	
City:	TEMPI	=	
State/Country:	ARIZO	NA	
Postal Code:	85281		
Name:	THE W	ASHINGTON UNIVERSITY	
Street Address:	ONE E	ROOKINGS DRIVE	
City:	ST. LC	UIS	
State/Country:	MISSC	MISSOURI	
Postal Code:	63130	33130	
PROPERTY NUMBERS	Total: 1		
Property Type		Number	
		16704032	

127225-00106

ATTORNEY DOCKET NUMBER:

PATENT REEL: 051423 FRAME: 0479

NAME OF SUBMITTER:	MARCIE B. CLARKE, J.D., PH.D.
SIGNATURE:	/Marcie B. Clarke/
DATE SIGNED:	01/06/2020
Total Attachments: 6	
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ASSIGNMENT

WHEREAS, Roy Curtiss, III; Shifeng Wang; Soo-Young Wanda; and Wei Kong; (hereinafter referred to as "ASSIGNOR"), own an invention (the "INVENTION") relating to an improvement in **REGULATED SYNTHESIS OF ANTIGEN AND/OR REGULATED ATTENTUATION TO ENHANCE VACCINE IMMUNOGENICITY AND/OR SAFETY** (file No. 055743-403715 (M7-011)) and have executed an application for a United States patent based thereon Serial No. 126/15,872 filed November 10, 2009;

AND, WHEREAS, The Arizona Board of Regents for and on behalf of Arizona State University, a non-profit organization, having its principal place of business at 699 S. Mills Avenue, Suite 601, Room 691AA, Tempe, Arizona 85281; and The Washington University, a non-profit organization, having its principal place of business at One Brookings Drive, St. Louis, Missouri 63130 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, ASSIGNOR has agreed to and do hereby sell, assign, and transfer unto said ASSIGNEE the entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said INVENTION, said APPLICATION, any other United States application (including divisional, continuing, or reissue applications) based in whole or in part on said APPLICATION or in whole or in part on said INVENTION, any of the aforesaid United States applications based in whole or in part on said INVENTION, and any and all patents (including extensions thereof) of any country which have been or

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PATENT REEL: 059420 FRAME: 0283

may be granted on any of the aforesaid applications or on said INVENTION or any part thereof;

TO BE HELD AND ENJOYED by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had no sale and assignment of said interest been made;

AND ASSIGNOR hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said INVENTION or any part thereof, to said ASSIGNEE;

AND ASSIGNOR, their successors and assigns, hereby agree to execute without further consideration any further lawful documents and any further assurances, and any divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said INVENTION or any part thereof, and in and to said several patents or any of them;

AND ASSIGNOR hereby covenant and agree with said ASSIGNEE, its successors and assigns, that ASSIGNOR has granted no right or license to make, use, or sell said INVENTION, to anyone except said ASSIGNEE, that prior to the execution of this assignment, ASSIGNOR'S right, title and interest in said INVENTION have not ', been otherwise encumbered, and that ASSIGNOR has not executed and will not execute any instrument in conflict herewith.

[DOCUMENT CONTINUED ON NEXT PAGE]

Date <u>12~18~</u> ISS, III ACKNOWLEDGMENT

STATE OF .)) SS. COUNTY OF Maricopa

On this $\sqrt{e^{H}}$ day of <u>December</u>, 20<u>09</u>, before me, a Notary Public, personally appeared ROY CURTISS, III to me to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

Multinda O'Dell Notary Public

My Commission Expires: Gpul Lith Jol2

[SEAL]

	OFFICIAL SEAL
A state	MELINDA O'DELL
	Notary Public - State of Arizona
	MARICOPA COUNTY
	My Comm. Expires April 24, 2012

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Date 13/18/08	_ Supr	
	SHIFENG WANG	/
3		
	ACKNOWLEDGMENT	
STATE OF <u>Arizona</u>)	
COUNTY OF Maricopa) SS.)	

On this $\frac{8}{2}$ day of <u>December</u>, 20<u>09</u>, before me, a Notary Public, personally appeared SHIFENG WANG to me to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

000 (1000

Notary Public

My Commission Expires: april 24 20 12

[SEAL]

OFFICIAL SEAL MELINDA O'DELL Notary Public - State of Arizono MARICOPA COUNTY My Comm, Expires April 24, 2012

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Ware Date 12-18-09 SÓÓ

ACKNOWLEDGMENT

STATE OF Arizona) SS. COUNTY OF Maricopa

On this the day of <u>December</u>, 20<u>09</u>, before me, a Notary Public, personally appeared SOO-YOUNG WANDA to me to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

melida O'De

Notary Public

My Commission Expires: april 24 2012

[SEAL]

OFFICIAL SEAL MELINDA O'DELL MELINDA O'DELL Nobary Public - State of Arizona MARICOPA COUNTY My Comm. Explres April 24, 2012

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Date	12/18/09
	/

de tent WEI KONG

ACKNOWLEDGMENT

STATE OF Arizona)
COUNTY OF Maricopa) SS.)

On this \underline{K}^{t}_{day} of $\underline{Pecember 20}_{UG}$, before me, a Notary Public, personally appeared WEI KONG to me to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

mehda O'Dell

Notary Public

My Commission Expires: (2/201)

[SEAL]

OFFICIAL SEAL MELINDA O'DELL Notary Public - State of Arizona MARICOPA COUNTY My Comm. Expires April 24, 2012

[END OF DOCUMENT]

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RECORDED: 07/06/2026