505249906 12/21/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JENNIFER THOMAS	02/17/2011
XIN MAIR	02/17/2011
CYNTHIA HATCHER	02/17/2011
MARY JORDAN THEODORE	02/17/2011
LEONARD W. MAYER	02/17/2011

RECEIVING PARTY DATA

Name:	THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15420836

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SIGNATURE:	/Natasha M. Robinson/
DATE SIGNED:	12/21/2018

PATENT REEL: 047841 FRAME: 0895

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Total Attachments: 5 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif

PATENT REEL: 047841 FRAME: 0896

ASSIGNMENT

We, Jennifer Thomas, of 2903 Ponderosa Cir.; Decatur, GA 30033, a citizen of the United States of America; Xin Wang, 3252 Landingview Ct, Lilburn, GA 30047, a citizen of the People's Republic of China; Raydel Mair, 997 Sunny Glenn Ct., Lawrenceville, GA 30043, a citizen of the United States of America; Cynthia Hatcher, 111 Dahlgren St, Atlanta, GA 30317, a citizen of the United States of America; Mary Jordan Theodore, 23 Kirkwood Road, Atlanta, GA 30317, a citizen of the United States of America; Leonard W. Mayer, 1703 Little Joe CT., Decatur, GA 30033, a citizen of the United States of America; have invented SELECTIVE DETECTION OF HAEMOPHILUS INFLUENZAE. This is an Assignment of the following rights, title and interest: (check all that apply):

\boxtimes	United States of America rights, title and inte	rest in the invention.	
\boxtimes	Foreign rights, title and interest in the inventi	on	
	An application to the Commissioner for Pa	tents of the United States of Am	erica filed
here	ewith.		
	An application to the Commissioner for Pater	nts of the United States of Americ	a has been
exe	cuted by the undersigned on:	·	
\boxtimes	United States Provisional Patent Application	Serial No. <u>61/436,535</u> filed on <u>J</u>	anuary 26
201	1. United States Patent Application Serial No.		
لسا	Office States Fatent Application Serial Ivo.		
	Date of Execution:	Date of Filing:	
	United States Patent No(s).		··
	International (PCT Patent Application Serial	No	filed on
	Other (specify):		. •

We were employed by the Department of Health and Human Services at the time the invention was made. The conditions under which said invention was made are such as to entitle the Government of the United States of America under Paragraph 1(a) of Executive Order 10096, to the entire right, title, and interest in the invention, in the United States and all other countries throughout the world.

In consideration of our obligations under Executive Order 10096, and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we the undersigned, have voluntarily sold, assigned, and transferred and do voluntarily sell, assign, and transfer to:

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 (hereinafter THE GOVERNMENT), and successors and assigns, our full and exclusive right, title, and interest in the patent application and invention throughout the United States of America, its territories and dependencies, and all other countries. This includes an assignment of all Letters Patent that may be granted on the invention in the United States of America and all countries throughout the world, and any divisional, renewal, continuation in whole or in part, substitution, conversion, reexamination, reissue, prolongation or extension thereof; and the right to claim priority from the patent application as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable

Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law.

We authorize and request the issuance of said Letters Patent to THE GOVERNMENT, as assignee of the entire right, title, and interest to be held as fully and entirely as the same would have been held by us had this assignment not been made.

We warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied that will impair, diminish, limit, or abridge the interest herein conveyed at the time of the execution of the present assignment.

We also agree upon reasonable request to communicate to THE GOVERNMENT, its representatives, assigns or agents, any facts known to us respecting the invention, and to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, provide all requested documents, and do everything reasonably possible to aid THE GOVERNMENT and its assigns to obtain and enforce proper patent protection for the invention in the United States or any foreign country. These provisions are binding upon our heirs, legal representatives, administrators and assigns.

We have authorized THE GOVERNMENT to file and prosecute this patent application, as well as any corresponding international or national applications that claim priority from it. THE GOVERNMENT has the right to select attorneys or agents of its choice to prosecute at its discretion these applications on its behalf.

We grant THE GOVERNMENT, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: Feb 17, 2011	15thomas
STATE OF GEORGIA)	Jennifer THOMAS
· • • • • • • • • • • • • • • • • • • •	SS.
This 17 day of February Jennifer Thomas, who executed the fo	_2011, before me personally came the above-named oregoing Assignment in my presence, and who
	ited under that person's own free will for the purposes set
forth therein.	Notary Public for Ownell
[SEAL] EXPIRES GEORGIA MAY 5, 2013	My commission expires: May 5, 2013
VETT COUNTING	Page 2 of 5

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CDC Tech, ID No. 1-0	015-10
Dated: 02 - /	7-2011
STATE OF) 55.
This 17 day of Wang, who execute that it was execute ADRIENN NOT Henry Court	Tebruary 2011, before me personally came the above-named Xin ted the foregoing Assignment in my presence, and who acknowledged to me d under that person's own free will for the purposes set forth therein. ELRICHARDSON Notary Public for CECLA My commission expires: April 7, 2014 My commission expires: April 7, 2014
Dated: <u>02-17-</u> STATE OF <u>G</u> COUNTY OF <u>G</u>	Raydel MAIR) ss.
Raydel Mair, who	of <u>February</u> 2011, before me personally came the above-named executed the foregoing Assignment immy presence, and who acknowledged to cuted under that person's own free will for the purposes set forth therein.
[SEAL] GANA	Notary Public for Notary Public for

My commission expires:

CDC Tech. ID No. I-	-015-10
Dated: <u>02-17</u>	-2011 Enrond W. Moyer
STATE OF _G	Leonard W. MAYER ss. hwinnett
Leonard W. Maye	2011, before me personally came the above-named er, who executed the foregoing Assignment in my presence, and who me that it was executed under that person's own free will for the purposes set
GEORGIA MAY 5, 2013 OUBLIC	Motary Public for 6 2000 My commission expires: 1712 5 2013