PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4069888

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GALE SMITH	09/22/2016
YE LIU	09/22/2016
JING-HUI TIAN	09/22/2016
MICHAEL J. MASSARE	09/12/2016
SARATHI BODDAPATI	09/12/2016
ERICA SHANE	09/12/2016
CYNTHIA OLIVER	09/12/2016
GREGORY GLENN	09/23/2016

RECEIVING PARTY DATA

Name:	NOVAVAX, INC.
Street Address:	20 FIRSTFIELD ROAD
City:	GAITHERSBURG
State/Country:	MARYLAND
Postal Code:	20878

PROPERTY NUMBERS Total: 6

Property Type	Number
Application Number:	62213947
Application Number:	62255786
Application Number:	62309216
Application Number:	62350973
Application Number:	15257436
PCT Number:	US1650413

CORRESPONDENCE DATA

Fax Number: (202)842-7899

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.

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Correspondent Name: COOLEY LLP

Address Line 1: 1299 PENNSYLVANIA AVE, NW

504023229 REEL: 039862 FRAME: 0843

PATENT

	SUITE 700 WASHINGTON, D.C. 20004	
ATTORNEY DOCKET NUMBER:	NOVV-060/03US 305047-2730	
NAME OF SUBMITTER:	FRASER D. BROWN	
SIGNATURE:	/Fraser D. Brown/	
DATE SIGNED:	09/27/2016	

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Total Attachments: 12

PATENT REEL: 039862 FRAME: 0844

ASSIGNMENT

SMITH, Gale, residing at 14959 Finegan Farm Drive, Germantown, MD 20874, Ye LIU, residing at 6828 Walnut Creek Court, Clarksville, MD 21029, Jing-Hui TIAN, residing at 13429 Rising Sun Lane, Germantown, MD 20874, Michael J. MASSARE, residing at 5370 Ridge Road, Mt. Airy, MD 21771, Sarathi BODDAPATI, residing at 19254 Circle Gate Drive #203, Germantown, MD 20874, Erica SHANE, residing at 7254 Spring Side Way, McLean, VA 22101, Cynthia OLIVER, residing at 13517 Stonebarn Lane, North Potomac, MD 20878, and Gregory GLENN, residing at 14525 Montevideo Road, Poolesville, MD 20837 (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled VACCINE COMPOSITIONS HAVING IMPROVED STABILITY AND IMMUNOGENICITY, and which is a:

(1)	□ provisional application	
	(a) to be filed herewith; or	
	(b) Earing Application No. 62/213,947, and filed of	n
	September 3, 2015;	
	(c)	
(2)	provisional application	
	(d) to be filed herewith; or	
	(e) 🔀 bearing Application No. 62/255,786, and filed of	n
	November 16, 2015;	
	(f)	
(3)	provisional application	
	(g) to be filed herewith; or	
	(h) bearing Application No. 62/309,216, and filed of	17
	March 16, 2016;	
	(i)	
(4)	provisional application	
` '	(j) to be filed herewith; or	
	(k) bearing Application No. 62/350,973, and filed on Jun	16
	16, 2016;	
(5)	non-provisional application	
	(a) to be filed herewith; or	
	(b) Searing Application No. 15/257,436, and filed o	n
	September 6, 2016; and/or	
(6)	The company of the contract of	
(6)	PCT application	
	(a) bearing Application No. PCT/US2016/50413, and file	d
	on Santambar 6 2016	

WHEREAS, Novavax, Inc., a corporation having its principal place of business at 20 Firstfield Road, Gaithersburg, MD 20878 its successors, legal representatives and assigns, (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application(s) for patent identified above;
- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;
- (d) any application(s) for patent of the United States or other countries claiming the Invention(s);
- (e) any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent identified above or any application(s) for patent claiming the Invention(s), including any substitute application(s), division(s), continuation(s), and continuation(s)-in-part;
- (f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, Inter partes reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified above when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: 9/22/16 By: Galsmith		
Gale SMITH		
A notary public or other officer completing this certificate verifies only the identity of the		
individual who signed the document to which this certificate is attached, and not the		
truthfulness, accuracy, or validity of that document.		
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State of MARYLAND		
) ss. County of Montooneay)		
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On SEPTEMBER 22, 2016, before me, JOYCE MOONEY		
Notary Public, personally appeared GALE SMMH		
who proved to me on the basis of satisfactory evidence, to be the person(s) whose		
name(s) is/are subscribed to the within instrument and acknowledged to me that		
he/she/they executed the same in his/her/their authorized capacity(ies), and that by		
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of		
which the person(s) acted, executed the instrument.		
REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under		
PENALTY OF PERJURY under the laws of the State of California that the foregoing		
paragraph is true and correct.		
THE REPORT OF A PARTY		
WITNESS my hand and official seal.		
AMAN CK COUNTINE		
Signature of Notary Public Place Notary Seal Above		
My Commission Expires: LEGNEW 16, 2019		

Date:	9/22/16	By:	ye Ciu
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County of_	POUTGONERY) ss.	· · · · · · · · · · · · · · · · · · ·	
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Notary Pub	olic, personally appeared	YE LIV	
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REQUIRED	SENTENCE IF NOTA	RIZED IN CAL	IFORNIA: I certify under
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	true and correct.		White CV8E 14 College
WITNESS r	my hand and official seal.		O NOTARY AND
And	MM		A CK COUNTRIES
Signature of	Notary Public		Place Notary Seal Above
My Commis	ssion Expires: <u>\Ecemes</u>	16,2019	

Date: 22 5ep 20 16 By:
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.
State of MARYLAND County of MONTEOMERY SSS.
On SEPTEMBER 22, 2016, before me, JOYCE MOONEY,
Notary Public, personally appeared JING-HUI TIAN,
who proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of
which the person(s) acted, executed the instrument.
REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: 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.
The state of the s
Signature of Notary Public Place Notary Seal Above
My Commission Expires: DECEMBER 16,2019

Date: 9/12/16	By:	Michael O Mosson	
	•	Michael J. MASSARE	
A notary public or other officer complete individual who signed the document to w truthfulness, accuracy, or validity of that	hich this	certificate is attached, and not the	
State of <u>MARYLAND</u>) ss.			
County of MONTGOMERY)			
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On SEPTEMBER 12, 2016, be		a	
Notary Public, personally appeared	<u> Michae</u>	L MASSALE,	
who proved to me on the basis of sa	tisfactory	evidence, to be the person(s) whose	
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he/she/they executed the same in his/her/their authorized capacity(ies), and that by			
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of			
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WITNESS my hand and official seal.		* ** **	
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Signature of Notary Public		Place Notary Seal Above	
My Commission Expires:	6,2019	<u>}</u>	

Date: (252016 By:	Busaratei	
	Sarathi BODDAPATI	
A notary public or other officer completing this certifi	icate verifies only the identity of the	
individual who signed the document to which this cer		
truthfulness, accuracy, or validity of that document.		
Δ		
State of MANULAND		
County of Mansoners		
•	1. 0.	
On SEMEMBER 12,2016, before me,	JOYCE MOONEY,	
Notary Public, personally appeared SARATHI	Boddapati ,	
who proved to me on the basis of satisfactory ev	idence, to be the person(s) whose	
name(s) is/are subscribed to the within instrume	nt and acknowledged to me that	
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his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of		
which the person(s) acted, executed the instrument.		
REQUIRED SENTENCE IF NOTARIZED IN	CALIFORNIA: I certify under	
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WITNESS my hand and official seal.		
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JOYM 07	William Continue	
Signature of Notary Public	Place Notary Seal Above	
My Commission Expires: DECEMBEN 16, 2019		

Date:	By:	Erica Storie
<i></i>	,	Erica SHANE
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State of MARMIAND) ss County of MONTOWERS)		
On SEPTEMBER 12,2016,	before me,	JOYCE MODNEY,
Notary Public, personally appeared	d ERIGA	SHANE.
who proved to me on the basis of	satisfactory	evidence, to be the person(s) whose
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which the person(s) acted, executed th	ie instrument	,
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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.		PUBLIC S
Ja. Mon		WASCK CONFINE
Signature of Notary Public		Place Notary Seal Above
My Commission Expires: December	x 16,2019	

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individual who signed the document to which this c truthfulness, accuracy, or validity of that document.	
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State of Manyland	
Ounty of Nonternel) ss.	4
County of 17/0/2010/10/20	÷.
On SEMENSEUR, 2016, before me,	JOYCE MOONEY
Notary Public, personally appeared CYNTHI	4 OLIVEA,
who proved to me on the basis of satisfactory	
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he/she/they executed the same in his/her/their a	
his/her/their signature(s) on the instrument the pe	rson(s), or the entity upon behalf of
which the person(s) acted, executed the instrument.	
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WITNESS my hand and official seal.	NOTAR P
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My Commission Expires: December 16,2019	

Date: 18 20/40 By: Cyetten Oliver Cynthia OLIVER

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Date: 23 Set 2016 By: (
Gregory GLENN		
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.		
State of MAGLAND		
) ss. County of MDNTG-DMEAN		
On SEPTEMBER 23,2016, before me, JOYCE MOONET,		
Notary Public, personally appeared GREGOUI GLENN		
who proved to me on the basis of satisfactory evidence, to be the person(s) whose		
name(s) is/are subscribed to the within instrument and acknowledged to me that		
he/she/they executed the same in his/her/their authorized capacity(ies), and that by		
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of		
which the person(s) acted, executed the instrument.		
REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: I certify under		
PENALTY OF PERJURY under the laws of the State of California that the foregoing		
paragraph is true and correct.		
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WITNESS my hand and official seal.		
And Counting		
Signature of Notary Public Place Notary Seal Above		
My Commission Expires: December 16,2019		

For and on behalf of ASSIGNEE:

Date: 23 Saptaba 2016

Name: Name A. HERMWN III

Title: SVP, GENERAL COUNSEL, CORP. SECRETARY

Company: Novavax, Inc.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of MACILANO	
County of Monte-oners)	
On SEMENARY 23,2016, before me, JOYCE MOONEY,	
Notary Public, personally appeared JOHN N. HELLINGS ,	
who proved to me on the basis of satisfactory evidence, to be the person(s) whose	
name(s) is/are subscribed to the within instrument and acknowledged to me that	
he/she/they executed the same in his/her/their authorized capacity(ies), and that by	
his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of	
which the person(s) acted, executed the instrument.	
REQUIRED SENTENCE IF NOTARIZED IN CALIFORNIA: 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.	
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Signature of Notary Public Place Notary Seal Above	
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My Commission Expires: December 16,2019	

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PATENT REEL: 039862 FRAME: 0856

RECORDED: 09/27/2016