

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4019049

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	PETER DULL	08/19/2012
RECEIVING PARTY DATA		
Name:	NOVARTIS VACCINES AND DIAGNOSTICS INC.	
Street Address:	4560 HORTON STREET	
City:	EMERYVILLE	
State/Country:	CALIFORNIA	
Postal Code:	94608	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14407987
CORRESPONDENCE DATA		
Fax Number:	(610)270-6812	
<i>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.</i>		
Phone:	6102706812	
Email:	us_cipkop@gsk.com	
Correspondent Name:	GLAXOSMITHKLINE	
Address Line 1:	709 SWEDELAND ROAD	
Address Line 2:	UW2220	
Address Line 4:	KING OF PRUSSIA, PENNSYLVANIA 19406	
ATTORNEY DOCKET NUMBER:	VN55127	
NAME OF SUBMITTER:	CARLY MORROW	
SIGNATURE:	/Carly Morrow/	
DATE SIGNED:	08/23/2016	
Total Attachments: 2		
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ASSIGNMENT

WHEREAS, I, Peter Dull hereinafter referred to as **ASSIGNOR**, has invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **VACCINES FOR SEROGROUP X MENINGOCOCCUS**

U.S. Provisional Application. No.: 61/659,595

Filing Date: June 14, 2012


WHEREAS, Novartis Vaccines and Diagnostics, Inc., a company organized under the laws of the State of Delaware, and having a place of business at 4560 Horton Street, Emeryville, California 94608, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

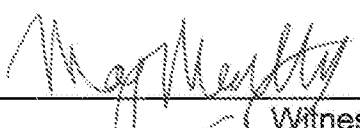
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, **ASSIGNOR** has sold, assigned, transferred and conveyed, and by these presents do sell, assign, transfer and convey unto said **ASSIGNEE**, and **ASSIGNEE'S** successors and assigns, all right, title and interest in and to the 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 (including conversions claiming priority under 35 U.S.C. § 119(e)), reissues, prolongations or extensions thereof, the 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. This Assignment is effective as from the earliest priority date as stated above.

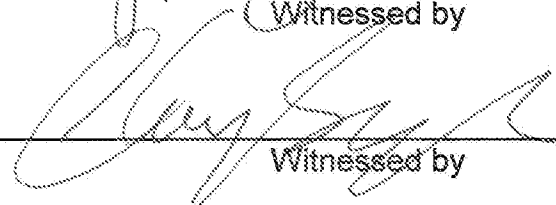
ASSIGNOR also agrees that the U.S. serial number may be entered above by **ASSIGNEE** or its agents upon designation of the serial number by the U.S. Patent and Trademark Office.

ASSIGNOR further agrees that he or she 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 hereunto signed his or her name to this assignment on the dates indicated below.

DATE 29 JUL 2012 SIGNED 
Peter Dull


Witnessed by


Witnessed by