

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5239617

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
SEQUENCE:	2
CONVEYING PARTY DATA	
Name	Execution Date
NOVARTIS VACCINES AND DIAGNOSTICS GMBH	01/11/2012
RECEIVING PARTY DATA	
Name:	NOVARTIS AG
Street Address:	LICHTSTRASSE 35
City:	BASEL
State/Country:	SWITZERLAND
Postal Code:	4056
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16184482
CORRESPONDENCE DATA	
Fax Number:	(415)268-7522
<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>	
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Address Line 4:	SAN FRANCISCO, CALIFORNIA 94105-2482
ATTORNEY DOCKET NUMBER:	22300-21148.05
NAME OF SUBMITTER:	OTIS LITTLEFIELD
SIGNATURE:	/Otis Littlefield/
DATE SIGNED:	11/15/2018
Total Attachments: 3	
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ASSIGNMENT OF PATENT APPLICATION

Whereas Novartis Vaccines and Diagnostics GmbH, a corporation of the country of the Germany, having a place of business at Emil-von-Behring Strasse 76, Marburg, Germany 35041, (“ASSIGNOR”) and Novartis AG, a corporation of Switzerland having a place of business at Lichtstrasse 35, 4056 Basel, Switzerland, (“ASSIGNEE”) have agreed that ASSIGNEE shall acquire from ASSIGNOR the following patents and/or patent applications (“PATENT PROPERTIES”):

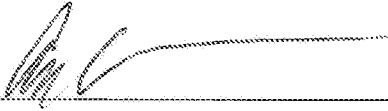
<u>Patent No.</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Issue Date</u>
	PCT/IB2005/003266	September 9, 2009	
	11/662,481	July 2, 2008	

Therefore, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR, the owner of the entire right, title, and interest in the PATENT PROPERTIES, hereby sells, assigns, transfers and conveys to ASSIGNEE, its designees, successors, assigns and legal representatives, the entire right, title and interest in the PATENT PROPERTIES and all divisions, continuations, reissues and reexaminations thereof, the inventions therein, and all rights to claim priority from the PATENT PROPERTIES and all applications for patent that may be filed for the inventions in any foreign country and all patents that may be granted on the inventions in any foreign country, and all extensions, renewals, and reissues thereof; each and every of the foregoing rights, titles and interests herein assigned shall be held and enjoyed by ASSIGNEE, its successors, assigns and legal representatives, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

IN TESTIMONY WHEREOF, Assignor has caused this Assignment to be duly executed in its name and behalf by affixing its hand and seal thereto by its designated officer, director, or agent, whose name and title appear below.

Executed at Emeryville, California this 11 day of January, 2012.

Novartis Vaccines and Diagnostics GmbH



Signature

Name: Amy Hessler

Title: Attorney-in-Fact

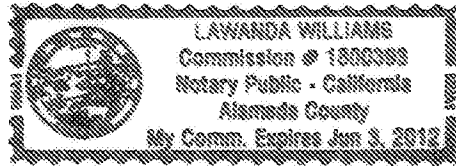
State of California)
County of Alameda)

On January 11, 2012 before me, Lawanda Williams, Notary Public, personally appeared Amy Hessler, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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.

Lawanda Williams
Signature of Notary Public

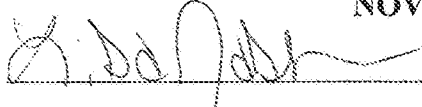
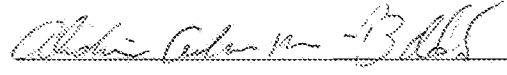


Place Notary Seal Above

ACCEPTANCE OF ASSIGNMENT

With reference to the Assignment to **NOVARTIS AG** of an invention entitled "DECREASING POTENTIAL IATROGENIC RISKS ASSOCIATED WITH INFLUENZA VACCINES" signed by Novartis Vaccines and Diagnostics GmbH; this will certify that **NOVARTIS AG** accepts such Assignment.

NOVARTIS AG

By :  
Name : Lisa Nash Alishia Collins Rowe-Babb
Function : Authorized Representative Authorized Representative
Date: Jan 11, 2012