

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>SEQUENCE:</b>	1
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JENS PETER GREGERSEN	01/10/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NOVARTIS VACCINES AND DIAGNOSTICS GMBH
<b>Street Address:</b>	EMIL-VON-BEHRING STRASSE 76
<b>City:</b>	MARBURG
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	35041
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15150214
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(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>	
<b>Phone:</b>	415-268-6846
<b>Email:</b>	mstout@mofo.com
<b>Correspondent Name:</b>	OTIS LITTLEFIELD
<b>Address Line 1:</b>	MORRISON & FOERSTER LLP
<b>Address Line 2:</b>	425 MARKET STREET
<b>Address Line 4:</b>	SAN FRANCISCO, CALIFORNIA 94105-2482
<b>ATTORNEY DOCKET NUMBER:</b>	223002114804
<b>NAME OF SUBMITTER:</b>	OTIS LITTLEFIELD
<b>SIGNATURE:</b>	/Otis Littlefield/
<b>DATE SIGNED:</b>	05/15/2017
<b>Total Attachments: 2</b>	
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source=1_Sole_Inventor_to_NVD_Gmbh_22300-2114804#page2.tif	

**ASSIGNMENT**

For good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, I

**Jens Peter GREGERSEN**

do hereby sell, assign and transfer to **Novartis Vaccines and Diagnostics GmbH**, Emil-von-Behring Strasse 76, Marburg, Germany 35041 (hereinafter referred to as the "**ASSIGNEE**") and its successors, assigns and legal representatives, all our right, title and interest for all countries of the world in and to (1) all of our inventions and discoveries described in the patent application(s) entitled

**DECREASING POTENTIAL IATROGENIC RISKS ASSOCIATED WITH INFLUENZA VACCINES**

filed in the RO/IB on September 9, 2005, and accorded International Patent Application Number PCT/IB2005/003266 (2) said patent application(s), (3) all national stages of said international patent application, (4) all other patent applications in all countries and regions claiming the priority of the United States patent application filed on July 2, 2008 and accorded Application Number 11/662.481 (5) all continuations and divisions of all of said patent applications (including further continuations and divisions such as, but not limited to, continuations of continuations and continuations of divisions), ((2)-(5) hereinafter referred to collectively as "patent applications"), (6) all patents that are granted on any of said patent applications, (7) all registrations and confirmations of, and importation certificates based on, one or more of said patents and (8) all reissues, renewals and extensions of said patents, reexamination certificates issued for said patents and supplementary protection certificates based on said patents (including the right to file patent applications on said inventions and discoveries in the names of **ASSIGNEE**, their designees or in any or all of our names, at their election and in accordance with applicable law in all countries and regions and all rights of priority in all countries and regions for all of said patent applications under the International Convention for the Protection of Industrial Property, and all other applicable similar international agreements), the same to be held and enjoyed by said **ASSIGNEE**, their successors, assigns and legal representatives, to the full ends of the terms for which all patents there for may be granted, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made.

\*We hereby authorize **ASSIGNEE** and their representatives to insert in this instrument the Application Number and the filing date of said patent application when notified thereof.

And we hereby covenant and agree that we will, at any time, upon the request and at the expense of **ASSIGNEE**, execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, patents, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates and supplementary protection certificates in **ASSIGNEE**, their successors, assigns or other legal representatives, including the execution and procurement of all further documents evidencing this sale, assignment and transfer as may be necessary or desirable for recording the same in the patent office or other intellectual property office, agency or the like of any country or region, that we will, at any time, upon the request and at the expense of **ASSIGNEE**, execute all additional patent applications, applications for registration and/or confirmation of one or more of said patents, applications for certificates of importation based on one or more of said patents, applications for reissues, renewals and extensions of one or more of said patents and supplemental protection certificates based upon one or more of said patents, and that we will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of **ASSIGNEE**, the successors, assigns or other legal representatives.

**PATENT**

**REEL: 042384 FRAME: 0536**

This Assignment is effective as from the earliest priority date as stated above

Executed this 10 day of January, 2012.

*Jens Peter Gregersen*

Name: Jens Peter GREGERSEN

Jasmine Drews

*Jasmine Drews*

Witness:

*Alexander Hauelt*

Alexander Hauelt

Witness: