# 502392871 06/20/2013

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
Harald RUECKL	01/07/2013
Hanno SCHEFFCZIK	01/22/2013
Barbara SANTRY	01/07/2013

# **RECEIVING PARTY DATA**

Name:	Novartis Vaccines and Diagnostics GmbH	
Street Address:	Emil-von-Behring Strasse, 76	
City:	Marburg	
State/Country:	GERMANY	
Postal Code:	35041	

# PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	13513564
Application Number:	12928163
Application Number:	61283518

# **CORRESPONDENCE DATA**

**Fax Number**: 5106553542

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Email: diana-1.castillo@novartis.com

Correspondent Name: Novartis Vaccines and Diagnostic, Inc.

Address Line 1: 4560 Horton Street

Address Line 2: IP Services M/S X-100B

Address Line 4: Emeryville, CALIFORNIA 94608-2916

ATTORNEY DOCKET NUMBER:	PAT053947-US-PCT
NAME OF SUBMITTER:	Helen Lee

PATENT REEL: 030655 FRAME: 0870 00 00 79

Signature:	/Helen Lee, Reg. No. 39,270/
Date:	06/20/2013
Total Attachments: 6 source=PAT053947-US-PCT ASG GmbH Inv#page1.tif source=PAT053947-US-PCT ASG GmbH Inv#page2.tif source=PAT053947-US-PCT ASG GmbH Inv#page3.tif source=PAT053947-US-PCT ASG GmbH Inv#page4.tif source=PAT053947-US-PCT ASG GmbH Inv#page5.tif source=PAT053947-US-PCT ASG GmbH Inv#page6.tif	

#### **ASSIGNMENT**

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

# Harald RUECKL, Hanno SCHEFFCZIK and Barbara SANTRY

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

#### CIRCULATION OF COMPONENTS DURING HOMOGENIZATION OF EMULSIONS

filed\* in the RO/IB on December 3, 2010, and accorded International Patent Application Number PCT/IB2010/003394, (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 <u>United</u> States Of America patent application filed on December 3, 2010, and accorded Application Number 13/513,564, and the United States Of America patent application filed on December 3, 2010, and accorded Application Number 12/928,163, and the United States Of America, patent application filed on December 3, 2009, and accorded Application Number 61/283,518 (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 therefor 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 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.

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

#2 Witness:

Executed this <u>07</u> day of <u>landary</u>	. 20 <u>. [ 3</u> .
Name: Harald RUECKL  Hother Committee And Schäfer  Hother Committe	
Executed this day of	20
Name: Hanno SCHEFFCZIK #1 Witness:	
#2 Witness:	
Executed this day of	20
Name: Barbara SANTRY	_
#1 Witness:	_

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REEL: 030655 FRAME: 0874

This Assignment is effective as from the earlie	est priority date as stated above
Executed this day of	_, 20
Name: Harald RUECKL	
#1 Witness:	
#2 Witness:	
Executed this <u>22</u> day of <u>January</u>	_, 20 <u>/3</u> .
Name: Hanno SCHEFFCZIK	
#I Witness: Nahrgang #2 Witness:	
Executed this day of	_, 20
Name: Barbara SANTRY	_
#1 Witness:	

#2 Witness:

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This Assignment is effective as from the earliest priority date as stated above Executed this \_\_\_\_\_ day of \_\_\_\_\_\_, 20\_\_\_\_. Name: Harald RUECKL #1 Witness: #2 Witness: Executed this \_\_\_\_\_ day of \_\_\_\_\_\_, 20\_\_\_. Name: Hanno SCHEFFCZIK #1 Witness: #2 Witness: Executed this day of A., 2013.

> PATENT REEL: 030655 FRAME: 0877

**RECORDED: 06/20/2013** 

#2 Witness: