

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NOVARTIS VACCINES AND DIAGNOSTICS, INC.	05/24/2012
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
PCT Number:	US1222762
CORRESPONDENCE DATA	
Fax Number:	(510)655-3542
Phone:	(510) 923-2192
Email:	felicia.soria@novartis.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Helen Lee
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:	PAT054473-WO-PCT
NAME OF SUBMITTER:	Felicia Soria
Total Attachments: 4 source=Signed-Asg-NVDInc-to-NAG-54473-WO-PCT#page1.tif source=Signed-Asg-NVDInc-to-NAG-54473-WO-PCT#page2.tif source=Signed-Asg-NVDInc-to-NAG-54473-WO-PCT#page3.tif source=Signed-Asg-NVDInc-to-NAG-54473-WO-PCT#page4.tif	

CH \$40.00 US1222762

RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Docket No.: PAT054473-WO-PCT

To the Director of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Novartis Vaccines and Diagnostics, Inc.
350 Massachusetts Avenue
Cambridge, MA
02139

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name:

NOVARTIS AG
Lichtstrasse 35
4056 Basel
SWITZERLAND

 Other

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement Other _____
 Government Interest Assignment
 Executive Order 9424, Confirmatory License

Execution Date(s): 05/24/2012

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: _____.
A. Patent Application No.(s)

PCT/US2012/022762

Additional number(s) attached Yes No

B. Patent No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:

NOVARTIS VACCINES AND DIAGNOSTICS, INC.
Corporate Intellectual Property – X 100B
P.O. Box 8097
Emeryville, CA 94662-8097

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41)..... \$40.00
 Enclosed
 Authorized to be charged to deposit account.

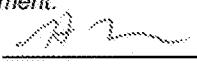
8. Deposit account number: 03-1664

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Helen Lee, Reg. No. 39,270  28 May 2012
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: 4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

ASSIGNMENT OF PATENT APPLICATION

Whereas Novartis Vaccines and Diagnostics Inc., a corporation organized under the laws of the state of Delaware and having a place of business at 350 Massachusetts Avenue, Cambridge, Massachusetts, 02139 USA, (“ASSIGNOR”) and Novartis AG, a corporation of the country of Switzerland and 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/US2012/022762	January 26, 2012	

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

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 Cambridge, Massachusetts this 24th day of May, 2012.

Novartis Vaccines and Diagnostics, Inc.

[Handwritten Signature]

Signature

Name: Helen Lee

Title: Assistant Secretary

Commonwealth of Massachusetts)

Middlesex County)

On this 24 day of May, 2012, before me personally appeared Helen Lee, to me known to be the person (or persons) described in and who executed the foregoing instrument, and acknowledged that she executed the same as her free act and deed.

[Handwritten Signature]
Signature of Notary Public

Print Name: CHRISTY SNYDER

My commission expires:

Nov 11, 2016

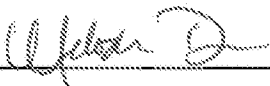
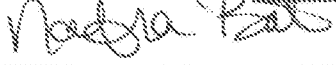


Case No. PAT054473-WO-PCT

ACCEPTANCE OF ASSIGNMENT

With reference to the Assignment to **NOVARTIS AG** of an invention entitled "**RSV IMMUNIZATION REGIMEN**" signed by **Novartis Vaccines and Diagnostics, Inc.**; this will certify that **NOVARTIS AG** accepts such Assignment.

NOVARTIS AG

By:	<u></u>	<u></u>
Name:	Melodi K. Dice	Nafra Bates
Function:	Authorized Representative	Authorized Representative
Date:	<u>29 MAY 2012</u>	