

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NOVARTIS VACCINES AND DIAGNOSTICS, INC.	06/23/2009
RECEIVING PARTY DATA	
Name:	NOVARTIS AG
Street Address:	Lichtstrasse 35
City:	Basel
State/Country:	SWEDEN
Postal Code:	4056
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	60785545
PCT Number:	US0764858
CORRESPONDENCE DATA	
Fax Number:	(510)923-3542
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(510)923-2192
Email:	kara.shure@novartis.com
Correspondent Name:	Helen Lee
Address Line 1:	4560 Horton Street
Address Line 2:	Corporate Intellectual Property - X100B
Address Line 4:	Emeryville, CALIFORNIA 94662-8097
ATTORNEY DOCKET NUMBER:	52047-US-PCT
NAME OF SUBMITTER:	Kara Shure
Total Attachments: 4 source=ASSG Cov Sheet - NVD INC to AG_2#page1.tif source=ASSG INC to AG_2#page1.tif	

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**PATENT
 REEL: 022864 FRAME: 0251**

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RECORDATION FORM COVER SHEET
PATENTS ONLY

PP028232.0003

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.

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): June 23, 2009

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)

60/785,545
filed March 23, 2006

PCT/US2007/064858 (now 12/294,233)
filed March 23, 2007

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
US

6. Total number of applications and patents involved 2

7. Total fee (37 CFR 3.41)..... \$80.00
 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
Name of Person Signing


Signature

23 June 2009
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 & Diagnostics, Inc., with a place of business at 4560 Horton Street, Emeryville, California 94608-2916 USA, a corporation of the State of Delaware, ("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>
	60/785,545	March 23, 2006	
	PCT/US2007/064858	March 23, 2007	
	12/294233	March 23, 2007	

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 23 day of June, 2009.

Novartis Vaccines & Diagnostics, Inc.



Signature

Name: Helen Lee

Title: Assistant Secretary

State of California)
)
County of Alameda)

On JUNE 23, 2009 before me, _____, **Notary Public**, personally appeared **Helen Lee**, personally known to me 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.

WITNESS my hand and official seal.

Signature of Notary Public

Place Notary Seal Above

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Alameda



On June 23, 2009 before me, Kara N. Shure, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Helen Lee
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ 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.



Signature [Handwritten Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

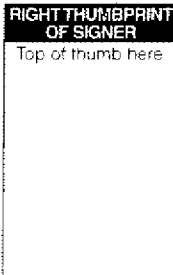
Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

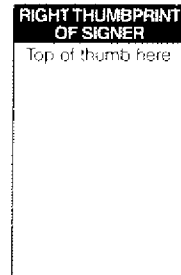
- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer Is Representing: _____

Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer Is Representing: _____