

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 SRL	12/21/2010
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:	12085413
CORRESPONDENCE DATA	
Fax Number:	(510)655-3542
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(510) 923-3833
Email:	kara.shure@novartis.com
Correspondent Name:	Amy Hessler
Address Line 1:	4560 Horton Street
Address Line 2:	IP Services M/S 100B
Address Line 4:	Emeryville, CALIFORNIA 94662-8097
ATTORNEY DOCKET NUMBER:	PAT051665-US-PCT
NAME OF SUBMITTER:	Kara Shure
Total Attachments: 3 source=ASSG Cover Sheet - NVD SRL to AG#page1.tif source=Assignment btw Entities NVD SRL to NVD AG#page1.tif source=Assignment btw Entities NVD SRL to NVD AG#page2.tif	

CH \$40.00 12085413

RECORDATION FORM COVER SHEET
PATENTS ONLY

Attorney Docket No PAT051665-US-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 SRL
Via Fiorentina, 1
I-53100 Siena
IT

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): 12/21/2010

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/IB2006/003876 (now US 12/085,413)
filed November 27, 2006

B. Patent No.(s)

Additional number(s) attached Yes No

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 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.

Amy Hessler, Reg. No. 50,310 _____
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: 3

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 SRL, with a place of business at Via Fiorentina 1, I-53100, Siena, Italy, (“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”):

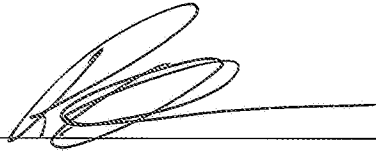
<u>Patent No.</u>	<u>Application No.</u>	<u>Filing Date</u>	<u>Issue Date</u>
	GB 0524066.8	November 25, 2005	
	PCT/IB2006/003876	November 27, 2006	
	US 12/085,413	November 27, 2006	

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 Siena, Italy this 21 day of December, 2010.

Novartis Vaccines & Diagnostics SRL



Signature

Name:

Richard Pitman, PhD

Title:

Chartered Patent Attorney
European Patent Attorney
Site Head Intellectual Property, Siena
Novartis Vaccines & Diagnostics Srl
Via Fiorentina, 1 - 53100 - Siena (IT)