

Form PTO-1595 (Rev. 07/05) **RECORDATION FORM COVER SHEET PATENTS ONLY** U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
 OMB No. 0651-0027 (exp. 6/30/2008) **Atty Docket No.: PP001635.0007**

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

1. Name of conveying party(ies):
Mark Selby
Edward Glazer
Michael Houghton

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

2. Name and address of receiving party(ies)
 Name:
NOVARTIS VACCINES AND DIAGNOSTICS, INC.
4560 Horton Street
Emeryville, CA 94608-2916

Other

3. Nature of conveyance:

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

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

Execution Date(s): **07/25/08, 08/13/08, 08/15/08**

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)
U.S. Application No.: 10/715,665
Filing Date: November 17, 2003

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 - R338
P.O. Box 8097
Emeryville, CA 94662-8097

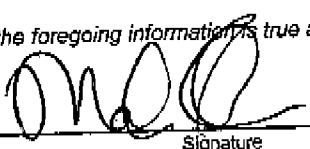
6. Total number of applications and patents involved **1**

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)

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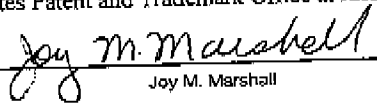
9. Statement and signature:
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Mark Seka (Reg. No. 44,330)  **August 21, 2008**
 Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: **8**

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

I hereby certify that this paper is being transmitted via facsimile to the Assignment Recordation Services Office of the United States Patent and Trademark Office at facsimile number (571) 273-0140.


 Joy M. Marshall

August 21, 2008
 Date

CH \$40.00 031664 10715665

US Patent Application No. 10/715,665
Attorney Docket No. PP001635.0007

(joint)

ASSIGNMENT

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

Mark SELBY

Edward GLAZER

Michael HOUGHTON

do hereby sell, assign and transfer to **NOVARTIS VACCINES AND DIAGNOSTICS, INC.**, a corporation of the State of Delaware, located at 4560 Horton Street, Emeryville, California, (hereinafter referred to as the "**ASSIGNEE**") and its successors, assigns and legal representatives, all of my right, title and interest for all countries of the world in and to (1) all of my inventions and discoveries described in the patent application(s) titled:

HBV/HCV VIRUS-LIKE PARTICLE

and filed in the United States Patent and Trademark Office on November 17, 2003 and accorded US Patent Application Number **10/715,665**, (2) the patent application(s) identified in (1), (3) all national stages of any international patent application identified in (1), (4) all other patent applications in all countries and regions claiming the priority of the provisional patent application filed in the United States Patent and Trademark Office on November 24, 1999 and accorded Application Number 60/167,224; (5) for all patent applications, all rights of priority based upon the United States patent application identified in (4) in all countries and regions under the Paris Convention for the Protection of Industrial Property, the Inter-American Convention relating to Inventions, Patents, Designs, and Industrial Models and all other international agreements to which the United States now is or hereafter becomes a signatory and, if the United States patent application identified in (4) is a provisional patent application, under 35 USC 119(e) (including the right to file patent applications on said inventions and discoveries in the names of **ASSIGNEE** or their designees or in our names, at their election and in accordance with applicable law in all countries and regions), (6) all continuations and divisions of any United States patent application or international patent application designating the United States identified in (1), any national stages of any international application identified in (1) and any patent applications within the scope of (4) (including further continuations and divisions such as, but not limited to, continuations of continuations and continuations of divisions), ((2)-(4) and (6) hereinafter referred to collectively as "patent applications"), (7) all patents that are granted on any of said patent applications, (8) all registrations and confirmations of, and importation certificates based upon, one or more of said patents and applications for such registrations, confirmations and importation certificates and (9) all reissues, renewals and extensions of said patents, registrations, confirmations and importation certificates, reexamination certificates issued for said patents and supplementary protection certificates based upon said patents and applications for such reissues, renewals, extensions, reexamination certificates and supplementary protection certificates, the same to be held and enjoyed by said **ASSIGNEE** and their successors, assigns and legal representatives to the full ends of the terms for which said patents, registrations, confirmations, importation certificates, reexamination certificates, supplementary protection certificates, reissues, renewals and extensions 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.

And we hereby covenant and agree that we will, at any time, (i) upon the request, but at the expense, of **ASSIGNEE** or their successors, assigns or legal representatives 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, supplementary protection certificates and applications within the scope of (8) and (9) in **ASSIGNEE** or their successors, assigns or legal representatives, including the execution and procurement of all further documents evidencing this sale, assignment and transfer as may be necessary or desirable for

PATENT

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US Patent Application No. 10/715,665

recording the same in the patent office or other intellectual property office, agency or the like of any country or region, (ii) upon the request, but at the expense, of ASSIGNEE or their successors, assigns or legal representatives execute all additional patent applications within the scope of (3), (4) and (6) and all applications within the scope of (8) or (9) and (iii) 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 or their successors, assigns or legal representatives.

Executed this 25th day of July, 2008.

Mark Selby
Mark SELBY

Terry Brown 7/25/08
WITNESS TERRY BROWN

Executed this _____ day of _____, 2008.

Edward GLAZER

WITNESS

Executed this _____ day of _____, 2008.

Michael HOUGHTON

WITNESS

US Patent Application No. 10/715,665
Attorney Docket No. PP001635.0007

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US Patent Application No. 10/715,665

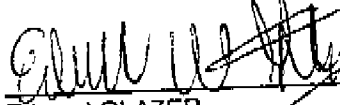
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Executed this _____ day of _____, 2008.

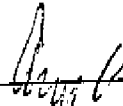
Mark SELBY

WITNESS

Executed this 13TH day of AUGUST, 2008



Edward GLAZER



WITNESS

Executed this _____ day of _____, 2008.

Michael HOUGHTON

WITNESS

US Patent Application No. 10/715,665
Attorney Docket No. PP001635.0007

(joint)

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Page 2

US Patent Application No. 10/715,665

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Executed this _____ day of _____, 2008.

Mark SELBY

WITNESS

Executed this _____ day of _____, 2008.

Edward GLAZER

WITNESS

Executed this 15th day of August, 2008.

Michael Houghton
Michael HOUGHTON

Steven Dong 08/15/2008

WITNESS

STEVEN DONG