

Form PTO-1595 (Rev. 08/05)
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U.S. DEPARTMENT OF COMMERCE
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RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Novo Nordisk A/S

2. Name and address of receiving party(ies)

Name: Novartis Vaccines and Diagnostics, Inc.

Address: 4560 Horton Street
Emeryville, CA 94608

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) March 4, 2008

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

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

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)
6,228,620

Additional numbers attached? ☐ Yes ☒ No

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

Name: Roberta L. Robins

Address:
ROBINS & PASTERNAK LLP
1731 Embarcadero Road, Suite 230
Palo Alto, CA 94303

City: Palo Alto

State: CA Zip: 94303

Phone Number: (650) 493-3400

Fax Number: (650) 493-3440

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 181648

Authorized User Name Roberta L. Robins

9. Signature: _____

Signature

Date

Roberta L. Robins, Reg. No. 33,208

Name of Person Signing

Total number of pages including cover sheet, attachments, and document: 5

Documents to be recorded (including cover sheet) should be faxed to (877) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

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PATENT

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ASSIGNMENT OF PATENTS

THIS ASSIGNMENT OF PATENTS (the "Assignment") is made and entered into by and between Novo Nordisk A/S, a corporation existing under the laws of Denmark, with its principal office at Novo Allé, 2880 Bagsvaerd, Denmark ("Assignor") and Novartis Vaccines and Diagnostics, Inc., a Delaware corporation, with offices at 4560 Horton Street, Emeryville, CA 94608 ("Assignee").

Pursuant to that certain Amendment to License Agreement and Assignment of Patents (the "Amendment") of even date herewith between Assignor and Assignee, and for good and valuable consideration, the adequacy of which is hereby acknowledged, Assignor hereby assigns, conveys and otherwise transfers to Assignee, and Assignee's successors and assigns, all of Assignor's right, title and interest in and to the patents listed on Exhibit A, all current and future patents claiming priority from such patents identified in Exhibit A or their priority applications (including but not limited to any reissued or reexamined patents), and any patents which may hereafter be granted on the patents listed on Exhibit A (including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof), in the United States and all countries throughout the world (the "Patents"), including the right to sue and recover damages or any other remedies for past and future infringement of any Patents, such right, title and interest to be held and enjoyed by Assignee as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment and transfer not been made, to the full end and term of any such Patents.

Assignor further agrees pursuant to this Assignment that, without charge to Assignee, (i) Assignor and its Affiliates will cooperate with Assignee in the prosecution of any of the Patents and (ii) Assignor and its Affiliates will execute, verify, acknowledge and deliver all such further papers (including declarations, patent applications, reissue applications and instruments of assignment and transfer) and perform all such other acts as Assignee lawfully may request to obtain, maintain, reissue, or reexamine any Patents in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns. For purposes of this Assignment, "Affiliate" means, with respect to Assignor, any entities or persons that directly or indirectly control, are controlled by, or are under common control with Assignor. Assignor represents and warrants that to the best of its information and belief, no company within the Novozymes group of companies (i) has any ownership interest in any Refacto Patents or Joint Factor VIII Patents (as these terms are defined in the Amendment) or (ii) is involved in making, using, selling, promoting, or developing factor VIII products, and on that basis Assignee agrees that no company within the Novozymes group of companies shall be considered an Affiliate of Assignor so long as the aforesaid representations and warranties remain true.

[Signature Page Follows]

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60100-00576/2008

04.03.2008 RA
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IN WITNESS WHEREOF, the parties have agreed as of the date first above written.

ASSIGNOR:

ASSIGNEE:

NOVO NORDISK A/S, a corporation
existing under the laws of Denmark

NOVARTIS VACCINES AND
DIAGNOSTICS, INC., a Delaware
corporation

By: W. Penh

By: ER

Title: SVP Legal

EVP

Title: C. F. O.

Date: 4.3.08

04-03-08

Date: 24 Jan 2008

State of MASSACHUSETTS

ss.)

County of MIDDLESEX

On JANUARY 24, 2008, before me, TINA-MARIE DEPAULIS, Notary Public
Name and Title of Officer (e.g. "Jane Doe, Notary Public")

personally appeared PETO BRAENDAL, CHIEF FINANCIAL OFFICER
personally known to me (or 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.

WITNESS my hand and official seal.

Tina-Marie DePaulis
my Commission Expires 10/01/2011



This is to certify that Mrs Lise Kingo and Mr Ole Falvig Ramsby, who today in my presence at the Notarial Office approved and signed this document, pursuant to a transcript from the Danish Commerce and Companies Register have powers to sign on behalf of the Company Novo Nordisk A/S.

Mrs Lise Kingo has proved her identity by presenting passport.
Mr Ole Falvig Ramsby has proved his identity by presenting driving licence.

The District Court in Lyngby Denmark 4th March 2008



Anne Langkilde Jacobsen
Notary Public



Exhibit A

List of Patents

U.S. Patent No. 6,060,447
U.S. Patent No. 6,228,620
U.S. Patent No. 5,789,203
EP 0150 735 B2