

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the Please change the Assignee from Biogenerix AG to Novo Nordisk A/S. previously recorded on Reel 022404 Frame 0634. Assignor(s) hereby confirms the Correct Assignee: Novo Nordisk A/S, Novo Alle, 2880 Bagsvaerd, DENMARK.

<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Biogenerix AG	01/27/2009

<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Novo Nordisk A/S
<b>Street Address:</b>	Novo Alle
<b>City:</b>	Bagsvaerd
<b>State/Country:</b>	DENMARK
<b>Postal Code:</b>	2880

<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	10530972

<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(415)442-1001
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	415.442.1000
<b>Email:</b>	kdegliantoni@morganlewis.com
<b>Correspondent Name:</b>	Jeffry S. Mann, Ph.D.
<b>Address Line 1:</b>	Morgan, Lewis & Bockius, LLP
<b>Address Line 2:</b>	One Market, Spear Street Tower
<b>Address Line 4:</b>	San Francisco, CALIFORNIA 94105

<b>ATTORNEY DOCKET NUMBER:</b>	101961-5083-US01
<b>NAME OF SUBMITTER:</b>	Jeffry S. Mann, Ph.D.

Total Attachments: 4  
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**PATENT ASSIGNMENT**

Electronic Version v1.1  
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**03/17/2009  
 500808678**

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Neose Technologies, Inc.	01/27/2009

**RECEIVING PARTY DATA**

<b>Name:</b>	BioGeneriX AG
<b>Street Address:</b>	High-Tech-Park Neckarau
<b>Internal Address:</b>	Janderstrasse 3
<b>City:</b>	Mannheim
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	D-68199

**PROPERTY NUMBERS Total: 16**

Property Type	Number
PCT Number:	US0331974
PCT Number:	US0414254
PCT Number:	US0439712
PCT Number:	US0441004
PCT Number:	US0600870
PCT Number:	US0440709
Application Number:	11658218
PCT Number:	US0524781
PCT Number:	US0532565
PCT Number:	US0539226
PCT Number:	US0620257
PCT Number:	US0613903
PCT Number:	US0424042
PCT Number:	US0859045

CH \$640.00 US0331974

TO: JEFFRY S. MANN, PH.D. COMPANY: MORGAN, LEWIS &amp; BOCKIUS, LLP

Application Number:	12201705
PCT Number:	EP0861232
<b>CORRESPONDENCE DATA</b>	
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Address Line 4:	San Francisco, CALIFORNIA 94105
ATTORNEY DOCKET NUMBER:	101847-5000
NAME OF SUBMITTER:	Jeffry S. Mann, Ph.D.
Total Attachments: 2 source=neocetono#page1.tif source=neocetono#page2.tif	

**ASSIGNMENT OF PATENT APPLICATIONS**

WHEREAS, Neose Technologies, Inc. of 102 Rock Road, Horsham, Pennsylvania, 19044, United States, hereinafter referred to as "Assignor," is the owner of the invention described and set forth in the below-identified patent application:

- Application No.: PCT/US2003/031974; Filed: October 8, 2003 (5083-WO);
- Application No.: PCT/US2004/014254; Filed: May 7, 2004 (5101-WO);
- Application No.: PCT/US2004/039712; Filed: November 24, 2004 (5142-WO);
- Application No.: PCT/US2004/041004; Filed: December 3, 2004 (5145-WO);
- Application No.: PCT/US2006/000870; Filed: January 10, 2006 (5145-WO01);
- Application No.: PCT/US2004/040709; Filed: December 3, 2004 (5146-WO);
- Application No.: 11/658,218; Filed: June 20, 2008 (5154-US);
- Application No.: PCT/US2005/024781; Filed: July 13, 2005 (5156-WO);
- Application No.: PCT/US2005/032565; Filed: September 12, 2005 (5161-WO);
- Application No.: PCT/US2005/039226; Filed: October 31, 2005 (5163-WO);
- Application No.: PCT/US2006/020257; Filed: May 25, 2006 (5170-WO);
- Application No.: PCT/US2006/013903; Filed: April 10, 2006 (5171-WO);
- Application No.: PCT/US04/024042; Filed: July 26, 2004 (40853-01-5128-WO);
- Application No.: PCT/US08/059045; Filed: April 1, 2008 (40853-01-5188-WO);
- Application No.: 12/201,705; Filed: August 29, 2008 (40853-03-5692-US); and
- Application No.: PCT/EP08/061232; Filed: August 27, 2008 (40853-03-5692-WO).

WHEREAS, BioGeneriX AG, located at High-Tech-Park Neckarau, Janderstrasse 3, D-68199 Mannheim, Germany, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application (including patent, utility model and industrial designs), and in and to any

Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignor hereby authorizes and requests Morgan, Lewis & Bockius LLP, One Market, Spear Street Tower, San Francisco, CA 94105, to insert herein above the application number and filing date of said application when known.

NEOSE TECHNOLOGIES, INC.

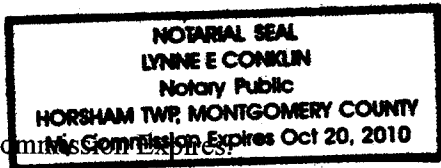
Dated: JANUARY 27, 2009

*George J. Vergis*  
GEORGE J. VERGIS, Ph.D.  
Vice President and Chief Executive Officer

STATE OF PENNSYLVANIA )  
 ) ss.  
COUNTY OF MONTGOMERY )

On JAN 27, 2009, before me, LYNNE E. CONKLIN personally appeared GEORGE J. VERGIS, Ph.D., personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/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.



My Comm. Expires \_\_\_\_\_

*Lynne E. Conklin*  
NOTARY PUBLIC