

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Remove inventor Henrik Clausen; and change Neose Technologies, Inc.'s address previously recorded on Reel 016807 Frame 0167. Assignor(s) hereby confirms the Assignment of US 11/166/404.										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Shawn DeFrees</td> <td>03/29/2009</td> </tr> <tr> <td>David A. Zopf</td> <td>03/30/2009</td> </tr> <tr> <td>Zhi-Guang Wang</td> <td>03/28/2009</td> </tr> <tr> <td>Caryn Bowe</td> <td>03/27/2009</td> </tr> </tbody> </table>		Name	Execution Date	Shawn DeFrees	03/29/2009	David A. Zopf	03/30/2009	Zhi-Guang Wang	03/28/2009	Caryn Bowe	03/27/2009
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David A. Zopf	03/30/2009										
Zhi-Guang Wang	03/28/2009										
Caryn Bowe	03/27/2009										
RECEIVING PARTY DATA											
Name:	Neose Technologies, Inc.										
Street Address:	102 Rock Road										
City:	Horsham										
State/Country:	PENNSYLVANIA										
Postal Code:	19044										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11166404</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11166404						
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Application Number:	11166404										
CORRESPONDENCE DATA											
Fax Number:	(415)442-1001										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	415.442.1749										
Email:	kdegiantoni@morganlewis.com										
Correspondent Name:	Ada O. Wong										
Address Line 1:	Morgan, Lewis & Bockius, LLP										
Address Line 2:	One Market, Spear Street Tower										
Address Line 4:	San Francisco, CALIFORNIA 94105										
ATTORNEY DOCKET NUMBER:	101961-01-5145-US										

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**PATENT
 REEL: 023402 FRAME: 0206**

NAME OF SUBMITTER:

Ada O. Wong

Total Attachments: 7

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PATENT ASSIGNMENT

Electronic Version v1.1
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11/21/2005
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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Shawn DeFrees</td> <td>10/06/2005</td> </tr> <tr> <td>David A. Zopf</td> <td>10/06/2005</td> </tr> <tr> <td>Zhi-Guang Wang</td> <td>10/06/2005</td> </tr> <tr> <td>Henrik Clausen</td> <td>10/10/2005</td> </tr> <tr> <td>Caryn Bowe</td> <td>10/06/2005</td> </tr> </tbody> </table>		Name	Execution Date	Shawn DeFrees	10/06/2005	David A. Zopf	10/06/2005	Zhi-Guang Wang	10/06/2005	Henrik Clausen	10/10/2005	Caryn Bowe	10/06/2005
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Neose Technologies, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>102 Witmer Road</td> </tr> <tr> <td>City:</td> <td>Horsham</td> </tr> <tr> <td>State/Country:</td> <td>PENNSYLVANIA</td> </tr> <tr> <td>Postal Code:</td> <td>19044</td> </tr> </table>		Name:	Neose Technologies, Inc.	Street Address:	102 Witmer Road	City:	Horsham	State/Country:	PENNSYLVANIA	Postal Code:	19044		
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<p>Fax Number: (415)442-1001 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 415-442-1000 Email: kdegiantoni@morganlewis.com Correspondent Name: Morgan, Lewis & Bockius Address Line 1: 2 Palo Alto Square, 3000 El Camino Real Address Line 4: Palo Alto, CALIFORNIA 94306</p>													
ATTORNEY DOCKET NUMBER:	040853-01-5145-US AOW:RS												
NAME OF SUBMITTER:	Ada O. Wong												

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Total Attachments: 6
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ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Shawn DeFrees, 126 Filly Drive, North Wales, PA, 19454, David A. Zopf, 560 West Beechtree Lane, Wayne, PA, 19084, Zhi-Guang Wang, 1473 Golden Drive, Dresher, PA, 19015, and Caryn Bowe, 310 Maple Avenue, Doylestown, PA, 18901, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application:

Title of Invention:	GLYCOPEGYLATED GRANULOCYTE COLONY STIMULATING FACTOR
Filing Date:	June 23, 2005
Application No.:	11/166,404; and

WHEREAS, Neose Technologies, Inc., located at 102 Rock Road, Horsham, PA 19044, hereinafter referred to as "ASSIGNEE," 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 Assignors, Assignors have assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (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 all countries throughout the world, 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 Assignors 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.

Assignors further agree that Assignors 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.

Assignors hereby authorize and request 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.

IN TESTIMONY WHEREOF, Assignors have signed his/her names on the dates indicated.

Dated: 3/29/09


SHAWN DEFREES

On the date above, before me (see Witnesses below) personally appeared SHAWN DEFREES, 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 NO. 1. Johanna R. Defrees Date: 3/29/09

WITNESS NO. 2. Angela J. Defrees Date: 3/29/09

Dated: _____

DAVID A. ZOPF

On the date above, before me (see Witnesses below) personally appeared DAVID A. ZOPF, 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 NO. 1. _____ Date: _____

WITNESS NO. 2. _____ Date: _____

Dated: _____

ZHI-GUANG WANG

On the date above, before me (see Witnesses below) personally appeared ZHI-GUANG WANG, 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.

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WITNESS NO. 1. _____ Date: _____

WITNESS NO. 2. _____ Date: _____

Dated: 3/30/09 _____
DAVID A. ZOPF

On the date above, before me (see Witnesses below) personally appeared DAVID A. ZOPF, 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 NO. 1. [Signature] Date: 03/30/09
WITNESS NO. 2. [Signature] Date: 03/30/09

Dated: _____
ZHI-GUANG WANG

On the date above, before me (see Witnesses below) personally appeared ZHI-GUANG WANG, 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 NO. 1. _____ Date: _____

WITNESS NO. 2. _____ Date: _____

IN TESTIMONY WHEREOF, Assignors have signed his/her names on the dates indicated.

Dated: _____
SHAWN DEFREES

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WITNESS NO. 2. _____ Date: _____

Dated: _____
DAVID A. ZOPF

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WITNESS NO. 1. _____ Date: _____

WITNESS NO. 2. _____ Date: _____

Dated: March 28, 2009 _____
ZHI-GUANG WANG

On the date above, before me (see Witnesses below) personally appeared ZHI-GUANG WANG, 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 NO. 1. [Signature] Date: 3/28/2009

WITNESS NO. 2. [Signature] Date: 03/28/2009

Assignment

Attorney Docket No.: 101961-5145-US

Page 3

Dated: 3/27/2009

Caryn Jay Bowe
CARYN BOWE

On the date above, before me (see Witnesses below) personally appeared CARYN BOWE, 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 NO. 1. [Signature] Date: 3/27/09

WITNESS NO. 2. [Signature] Date: 3/27/09