

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Frank S Walsh	11/14/2006
Margaret M Zaleska	11/21/2006
Lioudmila Tchistiakova	11/15/2006
Riyez Karim	11/15/2006
Xiang-Yang Tan	11/21/2006
Menelas N Pangalos	11/13/2006
William Kelley	11/29/2006
David S Howland	11/13/2006
Seung Poon Kwak	12/07/2006

RECEIVING PARTY DATA

Name:	Wyeth
Street Address:	5 Giralda Farms
City:	Madison
State/Country:	NEW JERSEY
Postal Code:	07940-0874

PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	12508618
Application Number:	13030978
Application Number:	13038954

CORRESPONDENCE DATA

Fax Number: (202)408-4400
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 6174521600
 Email: megan.stembridge@finnegan.com
 Correspondent Name: Leslie A. McDonell

OP \$120.00 12508618

501475015

**PATENT
 REEL: 025996 FRAME: 0848**

Address Line 1: 901 New York Avenue, N.W.
Address Line 2: Finnegan
Address Line 4: Washington, DISTRICT OF COLUMBIA 20001-4413

ATTORNEY DOCKET NUMBER: 08702.0219

NAME OF SUBMITTER: Amelia Feulner Baur

Total Attachments: 29

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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

**U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 08702.0219**

**To the Director of the U.S. Patent and Trademark Office:
Please record the attached original documents or copy thereof.**

Mail Stop Assignment Recordation Services

<p>1. Name of conveying party(ies):</p> <p>1) Frank S. Walsh; 2) Margaret M. Zaleska; 3) Lioudmila Tchistiakova; 4) Riyez Karim; 5) Xiang-Yang Tan; 6) Menelas N. Pangalos; 7) William Kelley legal representative of the Estate of Pamela Kelley (Deceased); 8) David S. Howland; 9) Seung Poon Kwak</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Wyeth 5 Giralda Farms Madison, NJ 07940-0874</p>						
<p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>Internal Address: [Text]</p>						
<p>3. Nature of conveyance:</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Assignment</td> <td><input type="checkbox"/> Merger</td> </tr> <tr> <td><input type="checkbox"/> Joint Research Agreement</td> <td><input type="checkbox"/> Government Interest Assignment</td> </tr> <tr> <td><input type="checkbox"/> Executive Order 9494, Confirmatory License</td> <td><input type="checkbox"/> Other:</td> </tr> </table>	<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger	<input type="checkbox"/> Joint Research Agreement	<input type="checkbox"/> Government Interest Assignment	<input type="checkbox"/> Executive Order 9494, Confirmatory License	<input type="checkbox"/> Other:	<p>Street Address: [Text]</p> <p>City: [Text]</p>
<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger						
<input type="checkbox"/> Joint Research Agreement	<input type="checkbox"/> Government Interest Assignment						
<input type="checkbox"/> Executive Order 9494, Confirmatory License	<input type="checkbox"/> Other:						
<p>Execution Date: 1) November 14, 2006; 2) November 21, 2006; 3) November 15, 2006; 4) November 15, 2006; 5) November 21, 2006; 6) November 13, 2006; 7) November 29, 2006; 8) November 13, 2006; 9) December 7, 2006</p>	<p>Additional name(s) & Address(es) attached?</p> <p align="center"><input type="checkbox"/> Yes <input type="checkbox"/> No</p>						
<p>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: [Type appropriate information]</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; vertical-align: top;"> <p>A. Patent Application Number(s):</p> <p>12/508,618; filed July 24, 2009 13/030,978; filed February 18, 2011 13/038,954; filed March 2, 2011</p> </td> <td style="width:50%; vertical-align: top;"> <p>B. Patent Number(s):</p> </td> </tr> <tr> <td align="right"> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> </td> <td></td> </tr> </table>		<p>A. Patent Application Number(s):</p> <p>12/508,618; filed July 24, 2009 13/030,978; filed February 18, 2011 13/038,954; filed March 2, 2011</p>	<p>B. Patent Number(s):</p>	<p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>			
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<p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>							
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Leslie A. McDonell (617) 452-1600</p> <p>Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.</p> <p>Street Address: 901 New York Avenue, N.W.</p> <p>City: Washington, D.C.</p> <p>State: Zip: 20001-4413</p>	<p>6. Total number of applications and patents involved: 3</p> <p>7. Total fee (37 CFR 1.21(h) and 3.41): \$120</p> <p><input checked="" type="checkbox"/> Enclosed (Please charge deficiency or credit overpayment to deposit account 06-0916)</p> <p><input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit Account No.: <u>06-0916</u></p>						
<p>9. Statement and signature.</p> <p>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.</p> <p>Signed: <u>Amelia F. Baur</u> March 18, 2011</p> <p align="center">Amelia Feulner Baur Date</p> <p align="center">Total number of pages including cover sheet, attachments and documents: 29</p>							

Assignment of Invention

In consideration of the payment by ASSIGNEE to ASSIGNOR of good and valuable consideration, the receipt of which is hereby acknowledged,
ASSIGNOR:

- (1) Full Name of Inventor: Frank S. WALSH
Residence: 609 Pembroke Road, Bryn Mawr, Pennsylvania 19010
Citizenship: United Kingdom

- (2) Full Name of Inventor: Margaret M. ZALESKA
Residence: 848 Bryn Mawr Avenue, Narberth, Pennsylvania 19072
Citizenship: U.S.A.

- (3) Full Name of Inventor: David S. HOWLAND
Residence: 1025 Countess Drive, Yardley, PA 19067
Citizenship: U.S.A.

- (4) Full Name of Inventor: Ljoudmila TCHISTIAKOVA
Residence: 19 Abbot Bridge Drive, Andover, Massachusetts 01810
Citizenship: Canada

- (5) Full Name of Inventor: Riyez KARIM
Residence: 21 Royal Crest Drive, #7, North Andover, Massachusetts 01845
Citizenship: Canada

- (6) Full Name of Inventor: Pamela KELLEY (Deceased)
Residence: 87 Sunnyside Avenue, Reading, Massachusetts 01867
Citizenship: U.S.A.

- (7) Full Name of Inventor: Xiang-Yang TAN
Residence: 811 Gazebo Circle, Reading, Massachusetts 01867
Citizenship: U.S.A.

- (8) Full Name of Inventor: Seung Poon KWAK
Residence: 4 Hampton Road, Ewing, New Jersey 08638
Citizenship: U.S.A.

- (9) Full Name of Inventor: Menelas N. PANGALOS
Residence: 22 Scudder Court, Pennington, New Jersey 08534
Citizenship: United Kingdom

Attorney Docket Nos.: 01997, 040600, 040600.PV
Client Docket Nos. AM101893; AM101893L1
Patent Application No. 11/503,062
Provisional Application No. 60/709,704

hereby sells, assigns and transfers to ASSIGNEE:

Wyeth
5 Giralda Farms
Madison, N.J. 07940-0874

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to the invention which is found in:

U.S. Application No. 11/503,062 filed on: August 14, 2006; and
U.S. Provisional Application No. 60/709,704 filed on August 19, 2005;
both entitled:

**ANTAGONIST ANTIBODIES AGAINST GDF-8 AND USES IN TREATMENT OF ALS
AND OTHER GDF-8-ASSOCIATED DISORDERS**

and invented by ASSIGNOR and the following additional inventors, if any:

**Erika L.F. HOLZBAUR-HOWLAND,
Karen WALLACE and Nicholas WEBER**

I/we the ASSIGNOR signing below, hereby authorize and request insertion above of the application number and filing date, when they become known,

[also check if foreign application(s) is(are) also being assigned]

and any legal equivalent thereof in a foreign country,

including the right to claim priority, including any and all improvements disclosed therein, and in and to all Letters Patent to be obtained for said invention by the above application or any subsequently filed provisional, nonprovisional, continuation, divisional, renewal, or substitute thereof, and as to Letters Patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR authorizes ASSIGNEE to make applications for and to receive Letters patent for said invention in any of said countries in its own name, or in ASSIGNOR's name, at its election.

ASSIGNOR covenants and agrees to execute or procure any further necessary assurance of the title to said invention and any Letters Patent which may issue therefore and to, at any time, upon the request and at the expense of ASSIGNEE deliver any testimony in any interference, litigation or proceeding related thereto and execute all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefore in ASSIGNEE, its successors, assigns or other legal representatives, and that to, at any time, upon the request and at the expense of ASSIGNEE execute any continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to Letters Patent and reissue or re-examination thereof, or any other additional applications of Letters Patent for said invention or any part thereof, all of which applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE, and will make all rightful oaths or declarations, and do all lawful acts requisite for procuring the same therein, without further

Attorney Docket Nos.: 01997, 040600; 040600.PV
Client Docket Nos. AM101893; AM101893L1
Patent Application No. 11/503,062
Provisional Application No. 60/709,704

compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

ASSIGNOR authorizes and requests the Commissioner of Patents to issue any and all Letters Patent of the United States for said invention, resulting from any of the aforesaid applications to its ASSIGNEE.

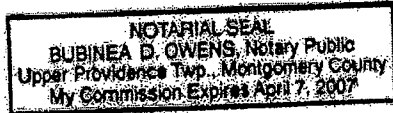
Frank S. Walsh
Frank S. WALSH

14 NOV. 2006
Date

ACKNOWLEDGMENT

State of Pennsylvania)
County of Montgomery) ss:

On the 14th day of November, 2006, before me, personally appeared Frank S. Walsh known by me to be the same person described herein and whose name is signed above or on the preceding or attached document, and acknowledged that he executed the same, of his own free will and for the purposes set forth.



Bubinea D. Owens
Notary Public

Margaret M. Zaleska
Margaret M. ZALESKA

November 21, 2006
Date

ACKNOWLEDGMENT

State of New Jersey)
County of Middlesex) ss:

On the 21st day of November, 2006, before me, personally appeared Margaret M. ZALESKA known by me to be the same person described herein and whose name is signed above or on the preceding or attached document, and acknowledged that she executed the same, of her own free will and for the purposes set forth.

Marie Arcaro
Notary Public

MARIE ARCARO
MY COMMISSION EXPIRES
ON JUNE 9, 2009

Attorney Docket Nos.: 01997, 040600; 040600.PV
Client Docket Nos. AM101893; AM101893L1
Patent Application No. 11/503,062
Provisional Application No. 60/709,704

R. Karim
Riyez KARIM

Nov-15-2006
Date

ACKNOWLEDGMENT

State of Massachusetts
County of Middlesex ss:

On the 15 day of November, 2006, before me, personally appeared Riyez KARIM, proved to me through satisfactory evidence of identity which was discuss to be the person whose name is signed above or on the preceding or attached document, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Florence Ann McColgan
Notary Public

FLORENCE ANN McCOLGAN
NOTARY PUBLIC

Commonwealth of Massachusetts
My Commission Expires March 29, 2007

William Kelley
Heir of the Estate of Pamela KELLEY

Date

ACKNOWLEDGMENT

State of _____ }
County of _____ } ss:

On the _____ day of _____, 2006, before me, personally appeared William KELLEY, proved to me through satisfactory evidence of identity which was _____ to be the person whose name is signed above or on the preceding or attached document, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public

Attorney Docket Nos.: 01997, 040600, 040600.PV
Client Docket Nos. AM101893, AM101893L1
Patent Application No. 11/503,062
Provisional Application No. 60/709,704

Xiang-Yang TAN
Xiang-Yang TAN

11/21/06
Date

ACKNOWLEDGMENT

State of Massachusetts
County of Middlesex ss:

On the 21 day of November 2006, before me, personally appeared Xiang-Yang TAN, proved to me through satisfactory evidence of identity which was license to be the person whose name is signed above or on the preceding or attached document, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Florence Ann McGolgan
Notary Public

FLORENCE ANN MCGOLGAN
NOTARY PUBLIC
Commonwealth of Massachusetts
My Commission Expires March 29, 2007

Seung Poon KWAK

Date


ACKNOWLEDGMENT

State of _____ }
County of _____ } ss:

On the _____ day of _____, 2006; before me, personally appeared Seung Poon KWAK, known by me to be the same person described herein and whose name is signed above or on the preceding or attached document, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public

Attorney Docket Nos.: 01997, 040600; 040600.PV
Client Docket Nos. AM101893; AM101893L1
Patent Application No. 11/503,062
Provisional Application No. 60/709,704



Menelas N. PANGALOS

11/13/2006

Date

ACKNOWLEDGMENT

State of New Jersey }
County of Medusa } ss:

On the 13 day of November, 2006, before me, personally appeared Menelas N. PANGALOS known by me to be the same person described herein and whose name is signed above or on the preceding or attached document, and acknowledged that he executed the same, of his own free will and for the purposes set forth.



Notary Public

**MARIE ARCARO
MY COMMISSION EXPIRES
ON JUNE 9, 2009**

NY_MAIN 575387v2

Attorney Docket Nos.: 01997.040600; 040600.PV
Client Docket Nos. AM101893; AM101893L1
Patent Application No. 11/503,062
Provisional Application No. 60/709,704

Assignment of Invention

In consideration of the payment by ASSIGNEE to ASSIGNOR of good and valuable consideration, the receipt of which is hereby acknowledged,
ASSIGNOR:

-
- (1) Full Name of Inventor: Frank S. WALSH
Residence: 609 Pembroke Road, Bryn Mawr, Pennsylvania 19010
Citizenship: United Kingdom
-
- (2) Full Name of Inventor: Margaret M. ZALESKA
Residence: 843 Bryn Mawr Avenue, Narberth, Pennsylvania 19072
Citizenship: U.S.A.
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Attorney Docket Nos.: 01997.040600; 040600.PV
Client Docket Nos. AM101893; AM101893L1
Patent Application No. 11/503,062
Provisional Application No. 60/709,704

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Wyeth
5 Giralda Farms
Madison, N.J. 07940-0874

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to the invention which is found in:

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both entitled:**

**ANTAGONIST ANTIBODIES AGAINST GDF-8 AND USES IN TREATMENT OF ALS
AND OTHER GDF-8-ASSOCIATED DISORDERS**

and invented by ASSIGNOR and the following additional inventors, if any:

**Erika L.F. HOLZBAUR-HOWLAND,
Karen WALLACE and Nicholas WEBER**

I/we the ASSIGNOR signing below, hereby authorize and request insertion above of the application number and filing date, when they become known,

[also check if foreign application(s) is(are) also being assigned]

and any legal equivalent thereof in a foreign country,

including the right to claim priority, including any and all improvements disclosed therein, and in and to all Letters Patent to be obtained for said invention by the above application or any subsequently filed provisional, nonprovisional, continuation, divisional, renewal, or substitute thereof, and as to Letters Patent any reissue or re-examination thereof.

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ASSIGNOR covenants and agrees to execute or procure any further necessary assurance of the title to said invention and any Letters Patent which may issue therefore and to, at any time, upon the request and at the expense of ASSIGNEE deliver any testimony in any interference, litigation or proceeding related thereto and execute all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefore in ASSIGNEE, its successors, assigns or other legal representatives, and that to, at any time, upon the request and at the expense of ASSIGNEE execute any continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to Letters Patent and reissue or re-examination thereof, or any other additional applications of Letters Patent for said invention or any part thereof, all of which applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE, and will make all rightful oaths or declarations, and do all lawful acts requisite for procuring the same therein, without further

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_____ Date
Frank S. WALSH

ACKNOWLEDGMENT

State of _____ }
 } ss:
County of _____ }

On the _____ day of _____, 2006, before me, personally appeared Frank S. Walsh known by me to be the same person described herein and whose name is signed above or on the preceding or attached document, and acknowledged that he executed the same, of his own free will and for the purposes set forth.

Notary Public

~~~~~

\_\_\_\_\_ Date  
Margaret M. ZALESKA

ACKNOWLEDGMENT

State of \_\_\_\_\_ }  
                                          } ss:  
County of \_\_\_\_\_ }

On the \_\_\_\_\_ day of \_\_\_\_\_, 2006, before me, personally appeared Margaret M. ZALESKA known by me to be the same person described herein and whose name is signed above or on the preceding or attached document, and acknowledged that she executed the same, of her own free will and for the purposes set forth.

\_\_\_\_\_  
Notary Public











Attorney Docket Nos.: 01997.040600; 040600.PV  
Client Docket Nos. AM101893; AM101893L1  
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Residence: 609 Pembroke Road, Bryn Mawr, Pennsylvania 19010  
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**Erika L.F. HOLZBAUR-HOWLAND,  
Karen WALLACE and Nicholas WEBER**

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Citizenship: United Kingdom
- 
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Attorney Docket Nos.: 01997.040600; 040600.PV  
Client Docket Nos. AM101893; AM101893L1  
Patent Application No. 11/503,062  
Provisional Application No. 60/709,704

hereby sells, assigns and transfers to ASSIGNEE:

Wyeth  
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and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to the invention which is found in:

**U.S. Application No. 11/503,062 filed on: August 14, 2006; and  
U.S. Provisional Application No. 60/709,704 filed on August 19, 2005;  
both entitled:**

**ANTAGONIST ANTIBODIES AGAINST GDF-8 AND USES IN TREATMENT OF ALS  
AND OTHER GDF-8-ASSOCIATED DISORDERS**

and invented by ASSIGNOR and the following additional inventors, if any:

**Erika L.F. HOLZBAUR-HOWLAND,  
Karen WALLACE and Nicholas WEBER**

I/we the ASSIGNOR signing below, hereby authorize and request insertion above of the application number and filing date, when they become known,

[also check if foreign application(s) is(are) also being assigned]

and any legal equivalent thereof in a foreign country,

including the right to claim priority, including any and all improvements disclosed therein, and in and to all Letters Patent to be obtained for said invention by the above application or any subsequently filed provisional, nonprovisional, continuation, divisional, renewal, or substitute thereof, and as to Letters Patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR authorizes ASSIGNEE to make applications for and to receive Letters patent for said invention in any of said countries in its own name, or in ASSIGNOR's name, at its election.

ASSIGNOR covenants and agrees to execute or procure any further necessary assurance of the title to said invention and any Letters Patent which may issue therefore and to, at any time, upon the request and at the expense of ASSIGNEE deliver any testimony in any interference, litigation or proceeding related thereto and execute all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefore in ASSIGNEE, its successors, assigns or other legal representatives, and that to, at any time, upon the request and at the expense of ASSIGNEE execute any continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to Letters Patent and reissue or re-examination thereof, or any other additional applications of Letters Patent for said invention or any part thereof, all of which applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE, and will make all rightful oaths or declarations, and do all lawful acts requisite for procuring the same therein, without further









