06-29	-2007
Form-PTO-1595 6/26/07 TRANS 1-31-92	DATION Atty. Docket: 01997.040600
To the Director, U.S. Patent and T	21235 original documents or copy thereof.
1. Name of conveying party(ies):	
 (1) Frank S. WALSH (2) Margaret M. ZALESKA (3) David S. HOWLAND (4) Lioudmila TCHISTIAKOVA (5) Riyez KARIM (6) William KELLY Heir of the Estate of Pamela KELLY (Deceased) 	Name: Wyeth E Foreign and dress:
Additional name(s) of conveying party(ies) attached? Yes X No	TRADE WEIGHT
 3. Nature of conveyance: X Assignment Security Agreement Other 	Domestic Address: Five Giralda Farms
	City: <u>Madison</u> State <u>NJ</u> ZIP <u>07940</u>
Execution Date: (1) Nov. 14, 2006; (2) and (7) Nov. 21, 2006; (3) and (9) Nov. 13, 2006; (4) and (5) Nov. 15, 2006; (6) Nov. 29, 2006; (8) Dec. 7, 2006	Additional name(s) & address(es) attached? Yes X No
A. Patent Application Number: 11/503,062Filing Date: August 14, 2006	B. Title of Invention: ANTAGONIST ANTIBODIES AGAINST GDF-8 AND USES IN TREATMENT OF ALS AND OTHER GDF-8- ASSOCIATED DISORDERS
Additional numbers attached?	X Yes No
 Name and address of party to whom correspondence concerning document should be mailed: 	6. Number of applications and patents involved: Two
Name: Fitzpatrick, Cella, Harper & Scinto	
	7. Total fee (37 CFR 3.41): \$80.00
30 Rockefeller Plaza	X Previously Paid(see Document ID No.: 103415503) Authorized to be charged to deposit account
New York, New York 10112-3800	8. Deposit account number (for deficiency or excess)
Telephone No.:(212) 218-2100	- 06-1205
Facsimile No.:(212) 218-2200	- (Attach duplicate copy of this page if paying by deposit account):
	E THIS SPACE
true copy of the original accument.	ation is true and the attached is the original document or is a June 25, 2007
Joseph P. Pieroni (Reg. No. 53,469) MOV X Name of Person Signing Total number	Aggnature Date ar of pages including cover sheet, attachments, and documents: 30

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

4. Application number(s) or patent number(s): (Cont'd.)

Provisional Patent Application No. 60/709,704

Filed: August 19, 2005

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

FCHS_WS 608643v1

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:

Full Name of Inventor:	Frank S. WALSH
Residence:	609 Pembroke Road, Bryn Mawr, Pennsylvania 19010
Citizenship:	United Kingdom
Full Name of Inventor:	Margaret M. ZALESKA
Residence:	843 Bryn Mawr Avenue, Narberth, Pennsylvania 19072
Citizenship:	U.S.A.
Full Name of Inventor:	David S. HOWLAND
Residence:	1025 Countess Drive, Yardley, PA 19067
Citizenship:	U.S.A.
Full Name of Inventor:	Lioudmila TCHISTIAKOVA
Residence:	19 Abbot Bridge Drive, Andover, Massachusetts 01810
Citizenship:	Canada
Full Name of Inventor:	Riyez KARIM
Residence:	21 Royal Crest Drive, #7, North Andover, Massachusetts 01845
Citizenship:	Canada
Full Name of Inventor:	Pamela KELLEY (Deceased)
Residence:	87 Sunnyside Avenue, Reading, Massachusetts 01867
Citizenship:	U.S.A.
Full Name of Inventor:	Xiang-Yang TAN
Residence:	811 Gazebo Circle, Reading, Massachusetts 01867
Citizenship:	U.S.A.
Full Name of Inventor:	Seung Poon KWAK
Residence:	4 Hampton Road, Ewing, New Jersey 08638
Citizenship:	U.S.A.
Full Name of Inventor:	Menelas N. PANGALOS
Residence:	22 Scudder Court, Pennington, New Jersey 08534
Citizenship:	United Kingdom
	Residence: Ciltizenship: Full Name of Inventor: Residence: Ciltizenship:

Page 1 of 7 Assignment of Invention Non-Provisional and Provisional Applications

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 relissue 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

> Page 2 of 7 Assignment of Invention Non-Provisional and Provisional Applications

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.

S. WALSH

14 NOV. 2006

ACKNOWLEDGMENT

State of <u>Lennsylvance</u>) Scounty of <u>Mantzoner</u>

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.

> NOTARIAL SEAL BUBINEA D. OWENS, Notary Public Upper Providence Twp., Monigomery County My Commission Expires April 7, 2007

Bulance & Owens

Manyonet M. Zallesly

Norember 21, 2006

ACKNOWLEDGMENT

State of SS: County of

1.15-CMH4, 2006, before me, personally appeared Margaret M. S / day of On the 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.

Mainariay

PATENT REEL: 019510 FRAME: 0386

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

Page 3 of 7

Assignment of Invention Non-Provisional and Provisional Applications

David S. HOWLAND

Date

ACKNOWLEDGMENT

State of ______} Ss: County of _____}

On the ______, 2006, before me, personally appeared David S. HOWLAND, 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 <u>MistReduce</u> <u>MistReduce</u> <u>MistReduce</u> <u>Notary Public</u> <u>MistReduce</u> <u>Notary Public</u> <u>Notary Public</u> <u>MistReduce</u> <u>Notary Public</u> <u>Notary Public</u> <u>Notary Public</u> <u>Notary Public</u> <u>Notary Public</u> <u>Date</u> <u>ACKNOWLEDGMENT</u> State of <u>MistReduce</u> <u>Ss:</u> County of <u>MistReduce</u> <u>Ss:</u> County of <u>MistReduce</u> <u>County of MistReduce</u> <u>MistReduce</u> <u>Notary Public</u> <u>Date</u> <u>ACKNOWLEDGMENT</u> <u>State of MistReduce</u> <u>Ss:</u> County of <u>MistReduce</u> <u>Ss:</u> County of <u>MistReduce</u> <u>Ss:</u> County of <u>MistReduce</u> <u>Ss:</u> <u>County of MistReduce</u> <u>Ss:</u> <u>Ss:</u> <u>County of MistReduce</u> <u>Ss:</u> <u>Ss:</u> <u>County of MistReduce</u> <u>Ss:</u> <u>Ss:</u>

preceding or attached document, and acknowledged that she executed the same, of her own free will and for the purposes set forth.

Alorialian Malas Notary Public

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

Page 4 of 7 Assignment of Invention Non-Provisional and Provisional Applications

ann

Riyez KARIM

Nov-15-2006

ACKNOWLEDGMENT

State of SS: County of

On the <u>15</u> day of <u>Itrenutive</u>, 2006, before me, personally appeared Rivez KARIM, proved to me through satisfactory evidence of identity which was <u>Itrefane</u> 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

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

	Villiam Kelley of Pamela KELLEY	Date
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	to b	2006, before me, personally appeared gh satisfactory evidence of identity which was e the person whose name is signed above or on the preceding or
attached documer purposes set forth	nt, and acknowledg	ed that he executed the same, of his own free will and for the

Notary Public

Page 5 of 7 Assignment of Invention Non-Provisional and Provisional Applications

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County of	Middleser	
	N	

On the <u>21</u> day of <u>locender</u> 2006, before me, personally appeared Xiang-Yang TAN, proved to me through satisfactory evidence of identity which was <u>decime</u> 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.

Monal)

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

Seung Poon KWAK

Date

ACKNOWLEDGMENT

State of SS!

County of

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

Page 6 of 7 Assignment of Invention Non-Provisional and Provisional Applications

Menelas N. PANGALOS

11/13/2006

ACKNOWLEDGMENT

State of Thur SS: County of

13 On the <u>13</u> day of <u>MWWW</u>, 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.

Mari U Public

MARIE ARCARO MY COMMISSION EXPIRES ON JUNE 9, 2009 1

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Assignment of Invention Page 7 of 7 Non-Provisional and Provisional Applications

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: Residence: Citizenship:	Frank S. WALSH 609 Pembroke Road, Bryn Mawr, Pennsylvania 19010 United Kingdom
(2)	Full Name of Inventor: Residence: Citizenship:	Margaret M. ZALESKA 843 Bryn Mawr Avenue, Narberth, Pennsylvania 19072 U.S.A.
(3)	Full Name of Inventor: Residence: Citizenship:	David S. HOWLAND 1025 Countess Drive, Yardley, PA 19067 U.S.A.
(4)	Full Name of Inventor: Residence: Citizenship:	Lioudmila TCHISTIAKOVA 19 Abbot Bridge Drive, Andover, Massachusetts 01810 Canada
(5)	Full Name of Inventor: Residence: Citizenship:	Riyez KARIM 21 Royal Crest Drive, #7, North Andover, Massachusetts 01845 Canada
(6)	Full Name of Inventor: Residence: Citizenship:	Pamela KELLEY (Deceased) 87 Sunnyside Avenue, Reading, Massachusetts 01867 U.S.A.
(7)	Full Name of Inventor: Residence: Citizenship:	Xiang-Yang TAN 811 Gazebo Circle, Reading, Massachusetts 01867 U.S.A.
(8)	Full Name of Inventor: Residence: Citizenship:	Seung Poon KWAK 4 Hampton Road, Ewing, New Jersey 08638 U.S.A.
(9)	Full Name of Inventor: Residence: Citizenship:	Menelas N. PANGALOS 22 Scudder Court, Pennington, New Jersey 08534 United Kingdom

Page 1 of 7 Assignment of Invention Non-Provisional and Provisional Applications

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

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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 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.

	NALSH	Date
	ACKNOW	VLEDGMENT
State of		
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known by me to be the sar	me person described h ument, and acknowled	before me, personally appeared Frank S. Walsh erein and whose name is signed above or on the ged that he executed the same, of his own free will
		Notary Public
Margaret	M. ZALESKA	 Date
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Page 3 of 7 Assignment of Invention Non-Provisional and Provisional Applications PATENT REEL: 019510 FRAME: 0393

	David	S.	HOWLAND
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Date

ACKNOWLEDGMENT

State of	}
	SS:
County of	}

On the ______ day of ______, 2006, before me, personally appeared David S. HOWLAND, 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

Lioudmila TCHISTIAKOVA

Date

ACKNOWLEDGMENT

State of ______} ss: County of ______}

On the ______day of ______, 2006, before me, personally appeared Lioudmila TCHISTIAKOVA, 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 she executed the same, of her own free will and for the purposes set forth.

Notary Public

Page 4 of 7 Assignment of Invention Non-Provisional and Provisional Applications

Riyez KARIM

Date

ACKNOWLEDGMENT

State of _____} ss: County of _____}

On the ______day of ______, 2006, before me, personally appeared Riyez KARIM, 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

Nov 29, 2006 William Kellev Heir of the Estate of Pamela KELLEY ACKNOWLEDGMENT State of Mussachusetts SS: County of Middlesex } On the <u>29</u>th day of <u>November</u>, 2006, before me, personally appeared William KELLEY, proved to me through satisfactory evidence of identity which was <u>personally</u>. Known to me 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 Pu MARGARET ANN HOOD Notary Public Commonwealth of Massachusetts Ay Commission Expires Aug 24, 2012

Page 5 of 7 Assignment of Invention Non-Provisional and Provisional Applications

Xiang-Yang TAN	Date
	ACKNOWLEDGMENT
State of}	
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proved to me through satisfactory to be the person whose name is s	2006, before me, personally appeared Xiang-Yang TAN idence of identity which was ed above or on the preceding or attached document, and same, of his own free will and for the purposes set forth.
acknowledged that he executed th	same, of his own nee will and for the purposes set forth.
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	ACKNOWLEDGMENT
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On the day of Poon KWAK, known by me to be to or on the preceding or attached do free will and for the purposes set f	, 2006, before me, personally appeared Seun same person described herein and whose name is signed about ment, and acknowledged that he executed the same, of his ow th.
	Notary Public

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Page 6 of 7 Assignment of Invention Non-Provisional and Provisional Applications

### Menelas N. PANGALOS

Date

#### ACKNOWLEDGMENT

State of _____} ss:

County of _____}

On the ______ day of ______, 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

NY_MAIN 575367v2

Page 7 of 7 Assignment of Invention Non-Provisional and Provisional Applications

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(1)	Full Name of Inventor: Residence: Citizenship:	Frank S. WALSH 609 Pembroke Road, Bryn Mawr, Pennsylvania 19010 United Kingdom
(2)	Full Name of Inventor: Residence: Citizenship:	Margaret M. ZALESKA 843 Bryn Mawr Avenue, Narberth, Pennsylvania 19072 U.S.A.
(3)	Full Name of Inventor: Residence: Citizenship:	David S. HOWLAND 1025 Countess Drive, Yardley, PA 19067 U.S.A.
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(5)	Full Name of Inventor: Residence: Citizenship:	Riyez KARIM 21 Royal Crest Drive, #7, North Andover, Massachusetts 01845 Canada
(6)	Full Name of Inventor: Residence: Citizenship:	Pamela KELLEY (Deceased) 87 Sunnyside Avenue, Reading, Massachusetts 01867 U.S.A.
(7)	Full Name of Inventor: Residence: Citizenship:	Xiang-Yang TAN 811 Gazebo Circle, Reading, Massachusetts 01867 U.S.A.
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Page 1 of 7 Assignment of Invention Non-Provisional and Provisional Applications

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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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> Page 2 of 7 Assignment of Invention Non-Provisional and Provisional Applications

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Frank S. WALSH	Date
	ACKNOWLEDGMENT
State of} ss: County of}	
known by me to be the same person d	, 2006, before me, personally appeared Frank S. Walsh lescribed herein and whose name is signed above or on the acknowledged that he executed the same, of his own free will
	Notary Public
Margaret M. ZALESK	A Date ACKNOWLEDGMENT
State of} State of} Ss: County of}	
7ALEEVA known by me to be the sam	, 2006, before me, personally appeared Margaret M. ne person described herein and whose name is signed above or nt, and acknowledged that she executed the same, of her own
	Notary Public

Page 3 of 7 Assignment of Invention Non-Provisional and Provisional Applications

HOWLAND

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

13/2006 Date

ACKNOWLEDGMENT

State of	NEW ZOTK	_}
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County of	Marcine T canot	3

On the <u>day of</u> <u>day </u>

Notary Public, State of New

Notary Public, State of New Tork No. 02RA5048343 Qualified in New York County Commission Expires August 21, 2009

Lioudmila TCHISTIAKOVA

Date

### ACKNOWLEDGMENT

State of _____} ss: County of _____}

On the ______day of ______, 2006, before me, personally appeared Lioudmila TCHISTIAKOVA, 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 she executed the same, of her own free will

and for the purposes set forth.

**Notary Public** 

Page 4 of 7 Assignment of Invention Non-Provisional and Provisional Applications

	Riyez KARIM		D	ate
		ACKNOWLED	GMENT	
State of	}			
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to be the person	whose name is s	igned above or on th	, before me, personal which was he preceding or attach free will and for the pr	ly appeared Riyez KARIM ned document, and urposes set forth.
				Notary Public
	William Kelley of Pamela KELL	 -EY ACKNOWLED		 ate
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Xiang	J-Yang TAN	Date
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On thed	lay of	2006, before me, personally appeared Xiang-Yang TAN,
proved to me through to be the person whos acknowledged that he	satisfactory evider se name is signed a e executed the sam	ce of identity which was above or on the preceding or attached document, and e, of his own free will and for the purposes set forth.
		Notary Public
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Seun	g Poon KWAK	Date
	2	ACKNOWLEDGMENT
State of	}	
County of	} }	
Poon KWAK, known	r attached docume	, 2006, before me, personally appeared Seung ne person described herein and whose name is signed above ht, and acknowledged that he executed the same, of his own
		Notary Public

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Page 6 of 7 Assignment of Invention Non-Provisional and Provisional Applications

Menelas N. PANGALOS

Date

ACKNOWLEDGMENT

State of _____} ss: County of _____}

On the ______ day of ______, 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

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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: Residence: Citizenship:	Frank S. WALSH 609 Pembroke Road, Bryn Mawr, Pennsylvania 19010 United Kingdom
(2)	Full Name of Inventor: Residence: Citizenship:	Margaret M. ZALESKA 843 Bryn Mawr Avenue, Narberth, Pennsylvania 19072 U.S.A.
(3)	Full Name of Inventor: Residence: Citizenship:	David S. HOWLAND 1025 Countess Drive, Yardley, PA 19067 U.S.A.
(4)	Full Name of Inventor: Residence: Citizenship:	Lioudmila TCHISTIAKOVA 19 Abbot Bridge Drive, Andover, Massachusetts 01810 Canada
(5)	Full Name of Inventor: Residence: Citizenship:	Riyez KARIM 21 Royal Crest Drive, #7, North Andover, Massachusetts 01845 Canada
(6)	Full Name of Inventor: Residence: Citizenship:	Pamela KELLEY (Deceased) 87 Sunnyside Avenue, Reading, Massachusetts 01867 U.S.A.
(7)	Full Name of Inventor: Residence: Citizenship:	Xiang-Yang TAN 811 Gazebo Circle, Reading, Massachusetts 01867 U.S.A.
(8)	Full Name of Inventor: Residence: Citizenship:	Seung Poon KWAK 4 Hampton Road, Ewing, New Jersey 08638 U.S.A.
(9)	Full Name of Inventor: Residence: Citizenship:	Menelas N. PANGALOS 22 Scudder Court, Pennington, New Jersey 08534 United Kingdom

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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

> Page 2 of 7 Assignment of Invention Non-Provisional and Provisional Applications

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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	Date
ACH	KNOWLEDGMENT
State of} ss: County of}	
On the day of, known by me to be the same person describ	2006, before me, personally appeared Frank S. Walsh bed herein and whose name is signed above or on the owledged that he executed the same, of his own free will
	Notary Public
Margaret M. ZALESKA	Date
State of}ss:	
	2006, before me, personally appeared Margaret M. rson described herein and whose name is signed above or Id acknowledged that she executed the same, of her own
	Notary Public
	Page 3 of 7 Assignment of Invention Non-Provisional and Provisional Applications
	PATENT REEL: 019510 FRAME: 0

David S. HOWLAND Date ACKNOWLEDGMENT State of SS: County of } On the ______ day of ______, 2006, before me, personally appeared David S. HOWLAND, 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 Lioudmila TCHISTIAKOVA Date ACKNOWLEDGMENT State of SS: County of _____, 2006, before me, personally appeared day of On the Lioudmila TCHISTIAKOVA, 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 she executed the same, of her own free will and for the purposes set forth.

Notary Public

Page 4 of 7 Assignment of Invention Non-Provisional and Provisional Applications

Riyez KARIM	Date
	ACKNOWLEDGMENT
state of}	
ounty of}	
n theday of oved to me through satisfactory of	, 2006, before me, personally appeared Riyez KARIM
be the person whose name is sig	gned above or on the preceding or attached document, and e same, of his own free will and for the purposes set forth.
	Notary Public
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William Kelley	Date
eir of the Estate of Pamela KELL	EY <u>ACKNOWLEDGMENT</u>
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•	, 2006, before me, personally appeared ough satisfactory evidence of identity which was be the person whose name is signed above or on the preceding o
tached document, and acknowle	dged that he executed the same, of his own free will and for the
	Notary Public

Page 5 of 7 Assignment of Invention Non-Provisional and Provisional Applications PATENT

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Xiang-Yang TAN	Date
AC	CKNOWLEDGMENT
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State 01} ss:	
County of}	
proved to me through satisfactory evidence to be the person whose name is signed ab	2006, before me, personally appeared Xiang-Yang TAN, e of identity which was ove or on the preceding or attached document, and , of his own free will and for the purposes set forth.
	Notary Public
Capie	12/07/06
Seung Boon KWAK	12/07/06 Date
<u>A0</u>	CKNOWLEDGMENT
State of NEW CONK) SS: County of NEW ZOKK	
On the 7 day of Decen	EFX , 2006, before me, personally appeared Seung e person described herein and whose name is signed above t, and acknowledged that he executed the same, of his own
	Notary Public
	DAVID P. RANKIN Notary Public, State of New York No. 02RA5048343 Qualified in New York County Commission Expires August 21, 2009
	Page 6 of 7 Assignment of Invent Non-Provisional and Provisional Application

Menelas N. PANGALOS

Date

ACKNOWLEDGMENT

State of _____} ss: County of _____}

On the ______ day of ______, 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

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RECORDED: 06/26/2007