## 503675034 02/02/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3721670

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
ROBERT L. WONG	01/16/2015
HARTMUT KUPPER	01/16/2015
JOACHIM SIEPER	01/21/2015
JOHN C. DAVIS	01/17/2015
WALTER P. MAKSYMOWYCH	01/21/2015

### **RECEIVING PARTY DATA**

Name:	ABBVIE BIOTECHNOLOGY LTD.
Street Address:	2 CHURCH STREET
Internal Address:	CLARENDON HOUSE
City:	HAMILTON
State/Country:	BERMUDA

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12012787

# **CORRESPONDENCE DATA**

**Fax Number:** (617)832-7000

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 6179883584

**Email:** phenders@foleyhoag.com

Correspondent Name: PATRICIA L. HENDERSON/FOLEY HOAG LLP

Address Line 1: 155 SEAPORT BLVD.

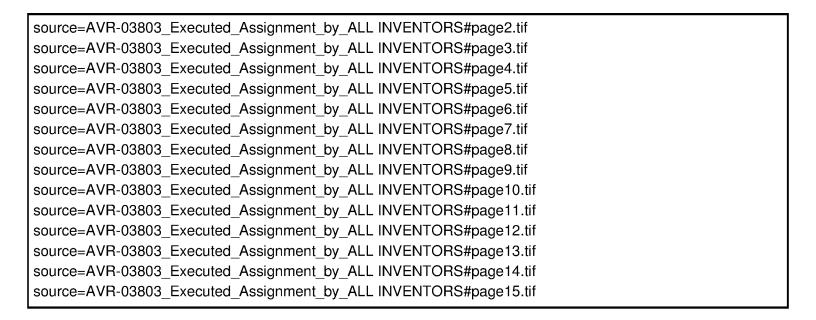
Address Line 4: BOSTON, MASSACHUSETTS 02210-2600

ATTORNEY DOCKET NUMBER:	AVR-038.03
NAME OF SUBMITTER:	PATRICIA L. HENDERSON
SIGNATURE:	/Patricia L. Henderson/
DATE SIGNED:	02/02/2016

**Total Attachments: 15** 

source=AVR-03803\_Executed\_Assignment\_by\_ALL INVENTORS#page1.tif

PATENT 503675034 REEL: 037639 FRAME: 0466



PATENT REEL: 037639 FRAME: 0467

We,

- (1) Robert L. Wong;
- (2) Hartmut Kupper;
- (3) Michelle P. Luo;
- (4) Joachim Sieper;
- (5) John C. Davis:
- (6) Desiree Van Der Heijde;
- (7) Waiter P. Maksymowych;

residing, respectively, at

- (1) 12 Riggs Court, Basking Ridge, New Jersey 07920, USA;
- (2) Lilienstrasse 43, Mutterstadt 67112, Gernany;
- (3) 1208 Virginia Ave, Libertyville, IL 60048;
- (4) Bernerstrasse 21A 12205 Berlin, Germany;
- (5) 298 Juanita Way, San Francisco, CA 94127-1736;
- (6) Korte Raarberg 46, 6231 K.R. Meerssen, The Netherlands; and
- (7) 562 Heritage Medical Research Center, Edmonton, AB, Canada

for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to and do hereby assign, sell and transfer to <u>AbbVie Biotechnology Ltd</u>, a corporation organized and existing under the laws of Bermuda and having an office and a place of business at Clarendon House, 2 Church Street, Hamilton, Bermuda, its successors and assigns:

- 1) the entire right, title and interest in the United States and in all countries throughout the world in and to any and all my/our inventions and discoveries disclosed in United States Application No. 12/012,787 filed February 4, 2008 {Docket No. 8815USC1}, entitled: "METHODS FOR TREATMENT OF ANKYLOSING SPONDYLITIS USING TNF ALPHA ANTIBODIES", including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefor:
- 2) the full and complete right to file patent applications in the name of <u>AbbVie Biotechnology Ltd</u>, its designee, or in my name at the election of <u>AbbVie Biotechnology Ltd</u> or its designee, on the aforesaid inventions, discoveries and applications in all countries of the world;
- 3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any other country of the world and any renewals, revivals, reissues, reexaminations and extensions of the same; and
- 4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to AbbVie Biotechnology Ltd as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We further agree at any time to execute and to deliver upon request to <u>AbbVie Biotechnology Ltd</u> such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of <u>AbbVie Biotechnology Ltd</u> under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

(1) St X Hay	
Røberi (S.Wong	
ACKNOWLEDGEMENT:	
	rt L. Wong personally appeared before me, executed the
foregoing Assignment, and duly acknowledged to me	that such Assignment was executed by his/her free act and
deed for the uses and purposes therein expressed.	
	MANUALLE STATES
	Witness Sindataka
	Witness Signature Debrah. Woj cik
	LEDRAH WOLCH
	Witness name (please print)
(2)	
Hartmut Kupper	
. •	
ACKNOWLEDGEMENT:	
On this, 2015, Harts	mut Kupper personally appeared before me, executed the
	that such Assignment was executed by his/her free act and
deed for the uses and purposes therein expressed.	
	Witness Signature
	Witness Signature
	*
(3)	
(3) Michelle P. Luo	
Michelle P. Luo	
Michelle P. Luo  ACKNOWLEDGEMENT:	Witness name (please print)
Michelle P. Luo  ACKNOWLEDGEMENT: On this, 2015, Michelle I	Witness name (please print)  P. Luo personally appeared before me, executed the foregoing
Michelle P. Luo  ACKNOWLEDGEMENT: On this, 2015, Michelle I	Witness name (please print)
Michelle P. Luo  ACKNOWLEDGEMENT: On this	Witness name (please print)  P. Luo personally appeared before me, executed the foregoing
Michelle P. Luo  ACKNOWLEDGEMENT: On this	Witness name (please print)  P. Luo personally appeared before me, executed the foregoing assignment was executed by his/her free act and deed for the
Michelle P. Luo  ACKNOWLEDGEMENT: On this	Witness name (please print)  P. Luo personally appeared before me, executed the foregoing
Michelle P. Luo  ACKNOWLEDGEMENT: On this	Witness name (please print)  P. Luo personally appeared before me, executed the foregoing ssignment was executed by his/her free act and deed for the Witness Signature
Michelle P. Luo  ACKNOWLEDGEMENT: On this	Witness name (please print)  P. Luo personally appeared before me, executed the foregoing assignment was executed by his/her free act and deed for the

(4)	
Joachim Sieper	
ACKNOWLEDGEMENT: On this	s Sieper personally appeared before me, executed the foregoing Assignment was executed by his/her free act and deed for the
	Witness Signature
	Witness name (please print)
(5)	
John C. Davis	
ACKNOWLEDGEMENT: On this day of . 2015. John C.	Davis personally appeared before me, executed the foregoing
Assignment, and duly acknowledged to me that such uses and purposes therein expressed.	Assignment was executed by his/her free act and deed for the
	Witness Signature
	Witness name (please print)
(6)	
Desiree Van Der Heijde	
ACKNOWLEDGEMENT: On this	Van Der Heijde personally appeared before me, executed the that such Assignment was executed by his/her free act and
	Witness Signature
	Witness name (please print)
(7)	
(7) Walter P. Maksymowych	
ACKNOWLEDGEMENT:  On this	P. Maksymowych personally appeared before me, executed the that such Assignment was executed by his/her free act and
	Witness Signature
	Witness name (please print)

We.

- (1) Robert L. Wong;
- (2) Hartmut Kupper;
- (3) Michelle P. Luo;
- (4) Joachim Sieper;
- (5) John C. Davis:
- (6) Desiree Van Der Heijde;
- (7) Walter P. Maksymowych;

residing, respectively, at

- (1) 12 Riggs Court, Basking Ridge, New Jersey 07920, USA;
- (2) Lilienstrasse 43, Mutterstadt 67112, Gernany;
- (3) 1208 Virginia Ave, Libertyville, IL 60048;
- (4) Bernerstrasse 21A 12205 Berlin, Germany;
- (5) 298 Juanita Way, San Francisco, CA 94127-1736;
- (6) Korte Raarberg 46, 6231 KR Meerssen. The Netherlands; and
- (7) 562 Heritage Medical Research Center, Edmonton, AB, Canada

for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to and do hereby assign, sell and transfer to AbbVie Biotechnology Ltd, a corporation organized and existing under the laws of Bermuda and having an office and a place of business at Clarendon House, 2 Church Street, Hamilton, Bermuda, its successors and assigns:

- 1) the entire right, title and interest in the United States and in all countries throughout the world in and to any and all my/our inventions and discoveries disclosed in United States Application No. 12/012,787 filed February 4, 2008 {Docket No. 8815USC1}, entitled: "METHODS FOR TREATMENT OF ANKYLOSING SPONDYLITIS USING TNF ALPHA ANTIBODIES", including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefor;
- 2) the full and complete right to file patent applications in the name of <u>AbbVie Biotechnology Ltd</u>, its designee, or in my name at the election of <u>AbbVie Biotechnology Ltd</u> or its designee, on the aforesaid inventions, discoveries and applications in all countries of the world;
- 3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any other country of the world and any renewals, revivals, reissues, reexaminations and extensions of the same; and
- 4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to <u>AbbVie Biotechnology Ltd</u> as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We further agree at any time to execute and to deliver upon request to AbbVie Biotechnology Ltd such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of AbbVie Biotechnology Ltd under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable. ASSIGNORS: Robert L. Wong ACKNOWLEDGEMENT: , 2015, Robert L. Wong personally appeared before me, executed the On this \_\_\_\_\_day of foregoing Assignment, and duly acknowledged to me that such Assignment was executed by his/her free act and deed for the uses and purposes therein expressed. Witness Signature Witness name (please print) ACKNOWLEDGEMENT:
On this /6 day of 14 NUAR 2015, Hartmut Kupper personally appeared before me, executed the foregoing Assignment, and duly acknowledged to me that such Assignment was executed by his/her free act and deed for the uses and purposes therein expressed. Dr Beatrice Rendenbach-Nüller Michelle P. Luo ACKNOWLEDGEMENT: , 2015, Michelle P. Luo personally appeared before me, executed the foregoing

reexaminations and extensions thereof.

uses and purposes therein expressed.

Page 2 of 3

Assignment, and duly acknowledged to me that such Assignment was executed by his/her free act and deed for the

Witness Signature

Witness name (please print)

4)	
Joachim Sieper	
ACKNOWLEDGEMENT:  On this	Sieper personally appeared before me, executed the foregoing ssignment was executed by his/her free act and deed for the
	Witness Signature
	Witness name (please print)
5)	
John C. Davis	
ACKNOWLEDGEMENT:  On this day of, 2015, John C. D.  Assignment, and duly acknowledged to me that such Assess and purposes therein expressed.	bavis personally appeared before me, executed the foregoing ssignment was executed by his/her free act and deed for the
	Witness Signature
	Witness name (please print)
6) Desiree Van Der Heijde	
CKNOWLEDGEMENT: On this, 2015, Desiree V	an Der Heijde personally appeared before me, executed the
oregoing Assignment, and duly acknowledged to me the eed for the uses and purposes therein expressed.	nat such Assignment was executed by his/her free act and
oregoing Assignment, and duly acknowledged to me th	and such Assignment was executed by his/her free act and  Witness Signature
oregoing Assignment, and duly acknowledged to me th	nat such Assignment was executed by his/her free act and
oregoing Assignment, and duly acknowledged to me the eed for the uses and purposes therein expressed.	witness Signature
oregoing Assignment, and duly acknowledged to me the eed for the uses and purposes therein expressed.	witness Signature
oregoing Assignment, and duly acknowledged to me the eed for the uses and purposes therein expressed.  Walter P. Maksymowych  CKNOWLEDGEMENT:  On this day of, 2015, Walter P. Maksymowych	was executed by his/her free act and  Witness Signature
oregoing Assignment, and duly acknowledged to me the eed for the uses and purposes therein expressed.  Walter P. Maksymowych  CKNOWLEDGEMENT:  on this day of, 2015, Walter P. Moregoing Assignment, and duly acknowledged to me the	Witness Signature  Witness name (please print)  Maksymowych personally appeared before me, executed the

PATENT REEL: 037639 FRAME: 0473

We.

- (1) Robert L. Wona;
- (2) Hartmut Kupper;
- (3) Michelle P. Luc:
- (4) Joachim Sieper;
- (5) John C. Davis.
- (6) Desiree Van Der Helide:
- (7) Walter P. Maksymovych;

residing, respectively, at

- (1) 12 Riegs Court, Basking Ridge, New Jersey 07920, USA;
- (2) Lilienstrasse 43, Mutterstadt 67112, Gernany;
- (3) 1208 Virginia Ave. Libertyville, IL 60048;
- (4) Bernerstrasse 21A 12205 Berlin, Germany;
- (5) 298 Justita Way, San Francisco, CA 94127-1736;
- (6) Korte Raarberg 46, 6231 KR Meerssen, The Netherlands; and
- (7) 562 Heritage Medical Research Center, Edmonton, AB, Canada

for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to and do hereby assign, sell and transfer to <u>AbbVie Biotechnology Ltd</u>, a corporation organized and existing under the laws of Bermuda and having an office and a place of business at Clarendon House, 2 Church Street, Hamilton, Bermuda, its successors and assigns:

- 1) the entire right, title and interest in the United States and in all countries throughout the world in and to any and all my/our inventions and discoveries disclosed in United States Application No. 12/012,787 filed February 4, 2008 [Docket No. 8815USC1]. entitled: "METHODS FOR TREATMENT OF ANKYLOSING SPONDYLITIS USING TNF ALPHA ANTIBODIES", including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefor:
- 2) the full and complete right to file patent applications in the name of <u>AbbVie Biotechnology Ltd</u>, its designee, or in my name at the election of <u>AbbVie Biotechnology Ltd</u> or its designee, on the aforesaid inventions, discoveries and applications in all countries of the world;
- 3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any other country of the world and any renewals, revivals, reissues, reexaminations and extensions of the same; and
- 4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorizes to grant and to issue any and all such Letters Patent in the United States and throughout the world to <u>AbbVie Biotechnology Lid</u> as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We further agree at any time to execute and to deliver upon request to <u>AbbVie Biolechnology Ltd</u> such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of <u>AbbVie Biotechnology Ltd</u> under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

ASSIGNORS:	
(1)	
(I)	
ACKNOWLEDGEMENT: On this	. Robert L. Wong personally appeared before me, executed the to me that such Assignment was executed by his/her free act and
	Witness Signature
	Witness name (please print)
(2)Harimai Kupper	
ACKNOWLEDGEMENT: On this	Hartmut Kupper personally appeared before me, executed the te me that such Assignment was executed by his/her free act and
N	Witness Signature
	Witness name (pleuse print)
(3)	
Michelle P. Luo	
ACKNOWLEDGEMENT:  On this	chelle P. Luo personally appeared before me, executed the foregoing such Assignment was executed by his/her free act and deed for the
	Wiiness Signature
	Witness name (please print)

Page 2 of 3

(4) JOSO (A) Softim Steper	
ACKNOWLEDGEMENT: On this 1 1st day of \\\ \text{Section Ass.} \( \lambda \) double	m Sieper personally appeared before me, executed the foregoing a Assignment was executed by his/her free act and deed for the
	Witness Signature
	Wilness name (please print)
(5)	
John C. Davis	
ACKNOWLEDGEMENT: On this, 2015, John ( Assignment, and duly acknowledged to me that such uses and purposes therein expressed.	Davis personally appeared before me, executed the foregoing Assignment was executed by his/her free act and deed for the
	Witness Signature
	Witness name (please print)
(6) Desiree Van Der Heijde	9
ACKNOWLEDGEMENT:  On this day of, 2015, Desire foregoing Assignment, and duly acknowledged to a deed for the uses and purposes therein expressed.	se Van Der Heijde personally appeared before me, executed the ne that such Assignment was executed by his/her free act and
	Witness Signature
	Witness name (please print)
(7)	
Walter P. Maksymowych	
ACKNOWLEDGEMENT:  On this	FP. Maksymowych personally appeared before me, executed the ne that such Assignment was executed by his/lier free act and
	Witness Signature
	Witness name (please print)

We,

- (1) Robert L. Wong;
- (2) Hartmut Kupper;
- (3) Michelle P. Luo;
- (4) Joachim Sieper;
- (5) John C. Davis;
- (6) Desiree Van Der Heijde;
- (7) Walter P. Maksymowych;

residing, respectively, at

- (1) 12 Riggs Court, Basking Ridge, New Jersey 07920, USA:
- (2) Lilienstrasse 43, Mutterstadt 67112, Gernany:
- (3) 1208 Virginia Ave, Libertyville, IL 60048;
- (4) Bernerstrasse 21A 12205 Berlin, Germany;
- (5) 298 Juanita Way, San Francisco, CA 94127-1736;
- (6) Korte Raarberg 46, 6231 KR Meerssen, The Netherlands; and
- (7) 562 Heritage Medical Research Center, Edmonton, AB, Canada

for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to and do hereby assign, sell and transfer to <u>AbbVie Biotechnology Ltd</u>, a corporation organized and existing under the laws of Bermuda and having an office and a place of business at Clarendon House, 2 Church Street, Hamilton, Bermuda, its successors and assigns:

- 1) the entire right, title and interest in the United States and in all countries throughout the world in and to any and all my/our inventions and discoveries disclosed in United States Application No. 12/012,787 filed February 4, 2008 (Docket No. 8815USCI), entitled: "METHODS FOR TREATMENT OF ANKYLOSING SPONDYLITIS USING TNF ALPHA ANTIBODIES", including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefor;
- 2) the full and complete right to file patent applications in the name of <u>AbbVie Biotechnology Ltd.</u> its designee, or in my name at the election of <u>AbbVie Biotechnology Ltd</u> or its designee, on the aforesaid inventions, discoveries and applications in all countries of the world;
- 3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any other country of the world and any renewals, revivals, reissues, reexaminations and extensions of the same; and
- 4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to AbbVie Biotechnology Ltd as the assignce of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We further agree at any time to execute and to deliver upon request to <u>AbbVie Biotechnology Ltd</u> such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of <u>AbbVie Biotechnology Ltd</u> under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

ASSIGNORS	
(1)Robert L. Wong	
ACKNOWLEDGEMENT: On this day of, 2015 foregoing Assignment, and duly acknowledged deed for the uses and purposes therein expressed	5, Robert L. Wong personally appeared before me, executed the to me that such Assignment was executed by his/her free act and l.
	Witness Signature
	Witness name (please print)
(2) Hartmut Kupper	
ACKNOWLEDGEMENT: On this	15, Harimut Kupper personally appeared before me, executed the I to me that such Assignment was executed by his/her free act and I.
	Witness Signature
	Witness name (please print)
(3) Michelie P. Luo	
ACKNOWLEDGEMENT: On this	Michelle P. Luo personally appeared before me, executed the foregoing at such Assignment was executed by his/her free act and deed for the
	Witness Signature
	Witness name (please print)

(4)	
Joachim Sieper	
ACKNOWLEDGEMENT: On this, 2015, Joachin Assignment, and duly acknowledged to me that such uses and purposes therein expressed.	m Sieper personally appeared before me, executed the foregoing Assignment was executed by his/her free act and deed for the
	Witness Signature
(5) John C. Davis	Witness name (please print)
ACKNOWLEDGEMENT: On this/7_day of/7, 2015, John of Assignment, and duly acknowledged to me that such uses and purposes therein expressed.	C. Davis personally appeared before me, executed the foregoing a Assignment was executed by his/her free act and deed for the Witness Signature  Witness name (please print)
(6) Desiree Van Der Heijde	
ACKNOWLEDGEMENT: On this day of , 2015, Desir	ee Van Der Heijde personally appeared before me, executed the ne that such Assignment was executed by his/her free act and
	Witness Signature
	Witness name (please print)
(7)Walter P. Maksymowych	
ACKNOWLEDGEMENT: On this day of, 2015, Walte foregoing Assignment, and duly acknowledged to a deed for the uses and purposes therein expressed.	or P. Maksymowych personally appeared before me, executed the me that such Assignment was executed by his/her free act and
	Witness Signature
	Witness name (please print)

We,

- (1) Robert L. Wong;
- Hartmut Kupper;
- (3) Michelle P. Luo;
- (4) Joachim Sieper;
- (5) <u>John C. Davis;</u>
- (6) Desiree Van Der Heijde:
- (7) Walter P. Maksymowych;

residing, respectively, at

- (1) 12 Riggs Court, Basking Ridge, New Jersey 07920, USA;
- (2) Lilienstrasse 43, Mutterstadt 67112, Gernany;
- (3) 1208 Virginia Ave, Libertyville, IL 60048;
- (4) Bernerstrasse 21A 12205 Berlin, Germany;
- (5) 298 Juanita Way, San Francisco, CA 94127-1736;
- (6) Korte Raarberg 46, 6231 KR Meerssen, The Netherlands; and
- (7) 562 Heritage Medical Research Center, Edmonton, AB, Canada

for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to and do hereby assign, sell and transfer to <u>AbbVie Biotechnology Ltd</u>, a corporation organized and existing under the laws of Bermuda and having an office and a place of business at Clarendon House, 2 Church Street, Hamilton, Bermuda, its successors and assigns:

- 1) the entire right, title and interest in the United States and in all countries throughout the world in and to any and all my/our inventions and discoveries disclosed in United States Application No. 12/012,787 filed February 4, 2008 {Docket No. 8815USC1}, entitled: "METHODS FOR TREATMENT OF ANKYLOSING SPONDYLITIS USING TNF ALPHA ANTIBODIES", including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefor;
- 2) the full and complete right to file patent applications in the name of <u>AbbVie Biotechnology Ltd</u>, its designee, or in my name at the election of <u>AbbVie Biotechnology Ltd</u> or its designee, on the aforesaid inventions, discoveries and applications in all countries of the world;
- 3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any other country of the world and any renewals, revivals, reissues, reexaminations and extensions of the same; and
- 4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to <u>AbbVie Biotechnology Ltd</u> as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We further agree, at any time, upon the request of <u>AbbVie Biotechnology Ltd</u>, to execute and to deliver to <u>AbbVie Biotechnology Ltd</u> any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries or applications, and divisions, continuations, renewals, revivals, reissues,

Page 1 of 3

We further agree at any time to execute and to deliver upon request to <u>AbbVie Biotechnology Ltd</u> such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of <u>AbbVie Biotechnology Ltd</u> under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

ASSIGNORS:		
(f)		
(1) Robert L. Wong		
ACKNOWLEDGEMENT: On this day of 201	5. Robert L. Wong personally appeared before me, executed	the
foregoing Assignment, and duly acknowledged deed for the uses and purposes therein expressed	I to me that such Assignment was executed by his/her free act	and
	Witness Signature	
	Witness name (please print)	
(2)		
Hartmut Kupper		
ACKNOWLEDGEMENT: On this day of , 201 foregoing Assignment, and duly acknowledged deed for the uses and purposes therein expressed	15, Hartmut Kupper personally appeared before me, executed to me that such Assignment was executed by his/her free act I.	the and
	Witness Signature	
	Witness name (please print)	
(3)		
Michelle P. Luo		
ACKNOWLEDGEMENT:		
On this day of ,2015, N	Aichelle P. Luo personally appeared before me, executed the foregont such Assignment was executed by his/her free act and deed for	oing the
-		
	Witness Signature	
	Witness name (please print)	

Page 2 of 3

(4)	
Joachim Sieper	
ACKNOWLEDGEMENT:	
On this day of,	2015, Joachim Sieper personally appeared before me, executed the foregoing
Assignment, and duly acknowledged to	me that such Assignment was executed by his/her free act and deed for the
uses and purposes therein expressed.	
*	
· ·	Witness Signature
	Witness name (please print)
(5)	
John C. Davis	
30tta 0. Day.3	
A WANTER TWO BESTS TENION WAS BOTH METERS FOR	
ACKNOWLEDGEMENT:	
On this day of,	2015, John C. Davis personally appeared before me, executed the foregoing
	me that such Assignment was executed by his/her free act and deed for the
uses and purposes therein expressed.	
	Witness Signature
	wintess aignature
	Witnesser masses (alleges author)
	Witness name (please print)
(6)	
Desiree Van Der Heijde	
ACKNOWLEDGEMENT:	
	2015, Desiree Van Der Heijde personally appeared before me, executed the
foregoing Assignment, and duly acknow	dedged to me that such Assignment was executed by his/her free act and
deed for the uses and purposes therein exp	
and the same and the bear acceptant with	
	Witness Signature
Λ Λ	Witness name (please print)
A	
- Comment of the	
(1) 10 10 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Walter P. Maksymowsch	<b>x</b>
ACKNOWLEDGEMENT:	
On this 9 ) day of JAMAN	2015, Walter P. Maksymowych personally appeared before me, executed the
foregoing Assignment and duly acknow	redged to me that such Assignment was executed by his/her free act and
deed for the uses and purposes therein ex	
and the me does that purposed married to	
	Witness Signature
	ve inicos Gighaune
	- Joseph Worldwill
	Wilmon none (along with)
	Witness name (please print)

**RECORDED: 02/02/2016**