

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Peter Daddona	07/21/1998
John Ghrayeb	07/22/1998
David M. Knight	07/22/1998
Scott A. Siegel	08/06/1998
<b>RECEIVING PARTY DATA</b>	
Name:	Centocor, Inc.
Street Address:	200 Great Valley Parkway
City:	Malvern
State/Country:	PENNSYLVANIA
Postal Code:	19355-1307
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	12001071
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(978)341-0136
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	978-341-0036
Email:	denise.caredeo@hbsr.com
Correspondent Name:	Deirdre E. Sanders
Address Line 1:	530 Virginia Road, P.O. Box 9133
Address Line 2:	Hamilton, Brook, Smith & Reynolds, P.C.
Address Line 4:	Concord, MASSACHUSETTS 01742-9133
ATTORNEY DOCKET NUMBER:	0975.1005-069
NAME OF SUBMITTER:	Denise Caredeo

CH \$40.00 12001071

Total Attachments: 12

**500756498**

**PATENT  
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JointASSIGNMENT

WHEREAS, we, Peter Daddona, John Ghrayeb, David M. Knight and Scott A. Seigel have, together with co-inventors Junming Le and Jan Vilcek, invented a certain improvement in ANTI-TNF ANTIBODIES AND PEPTIDES OF HUMAN TUMOR NECROSIS FACTOR described in an application for Letters Patent of the United States, the specification of which:

- is about to be filed in the United States Patent Office;
- was filed on \_\_\_\_\_ as Application No. \_\_\_\_\_;
- was patented under U.S. Patent No. \_\_\_\_\_ on \_\_\_\_\_.

WHEREAS, Centocor, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, and having a usual place of business at 200 Great Valley Parkway, Malvern, Pennsylvania 19355-1307 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

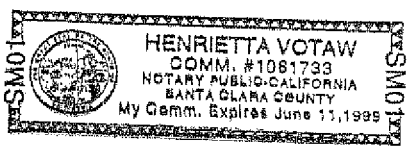
Inventor: *Peter Daddona*  
Peter Daddona

State/~~Commonwealth~~  
of California  
County of Santa Clara

Then personally appeared before me the above-named Peter Daddona and acknowledged that he/~~she~~ executed the foregoing instrument as his/~~her~~ free act and deed this 21st day of July, 1998.

*Henrietta Votaw* Notary Public  
Henrietta Votaw (print name)  
My Commission expires 6/11/99

(SEAL)



Inventor: John Ghrayeb

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

Then personally appeared before me the above-named John Ghrayeb and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_ (print name)  
My Commission expires \_\_ / \_\_ / \_\_

Inventor: David M. Knight

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

Then personally appeared before me the above-named David M. Knight and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_ (print name)  
My Commission expires \_\_ / \_\_ / \_\_

Inventor: \_\_\_\_\_  
Scott A. Siegel

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-name Scott A. Siegel and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_.

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

(SEAL)

\_\_\_\_\_ (print name)

My Commission expires \_\_\_ / \_\_\_ / \_\_\_

K:\DSANDERS\NYU\9301M4AZ\9301M4AZ.AS1

JointASSIGNMENT

WHEREAS, we, Peter Daddona, John Ghrayeb, David M. Knight and Scott A. Seigel have, together with co-inventors Junming Le and Jan Vilcek, invented a certain improvement in ANTI-TNF ANTIBODIES AND PEPTIDES OF HUMAN TUMOR NECROSIS FACTOR described in an application for Letters Patent of the United States, the specification of which:

- is about to be filed in the United States Patent Office;
- was filed on \_\_\_\_\_ as Application No. \_\_\_\_\_;
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WHEREAS, Centocor, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, and having a usual place of business at 200 Great Valley Parkway, Malvern, Pennsylvania 19355-1307 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor: \_\_\_\_\_  
Peter Daddona

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named Peter Daddona and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_.

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

(SEAL)

\_\_\_\_\_ (print name)

My Commission expires \_\_ / \_\_ / \_\_



Inventor: John Ghrayeb  
John Ghrayeb

State/Commonwealth  
of Pennsylvania  
County of Chester

Then personally appeared before me the above-named John Ghrayeb and acknowledged that he/~~she~~ executed the foregoing instrument as his/her free act and deed this 22nd day of July, 1998.

(SEAL)

Beverly C. Halvorsen Notary Public  
BEVERLY C HALVORSEN (print name)  
My Commission expires 7/21/01

NOTARIAL SEAL  
Beverly C. Halvorsen, Notary Public  
Malvern, Chester County  
My Commission Expires July 21, 2001

Inventor: David M. Knight  
David M. Knight

State/Commonwealth  
of Pennsylvania  
County of Chester

Then personally appeared before me the above-named David M. Knight and acknowledged that he/~~she~~ executed the foregoing instrument as his/her free act and deed this 22nd day of July, 1998.

(SEAL)

Beverly C. Halvorsen Notary Public  
BEVERLY C HALVORSEN (print name)  
My Commission expires 7/21/01

NOTARIAL SEAL  
Beverly C. Halvorsen, Notary Public  
Malvern, Chester County  
My Commission Expires July 21, 2001

PATENT

Inventor: \_\_\_\_\_  
Scott A. Siegel

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-name Scott A. Siegel and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_.

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

(SEAL)

\_\_\_\_\_ (print name)

My Commission expires \_\_ / \_\_ / \_\_.

K:\DSANDERS\NYU\9301M4AZ\9301M4AZ.AS1

JointASSIGNMENT

WHEREAS, we, Peter Daddona, John Ghrayeb, David M. Knight and Scott A. <sup>SR</sup>Seigel have, together with co-inventors Junming Le and Jan Vilcek, invented a certain improvement in ANTI-TNF ANTIBODIES AND PEPTIDES OF HUMAN TUMOR NECROSIS FACTOR described in an application for Letters Patent of the United States, the specification of which:

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NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

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IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor: \_\_\_\_\_  
Peter Daddona

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

Then personally appeared before me the above-named Peter Daddona and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_.

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

(SEAL)

\_\_\_\_\_ (print name)

My Commission expires \_\_ / \_\_ / \_\_

Inventor: \_\_\_\_\_  
John Ghrayeb

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

Then personally appeared before me the above-named John Ghrayeb and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_ (print name)  
My Commission expires \_\_ / \_\_ / \_\_

Inventor: \_\_\_\_\_  
David M. Knight

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

Then personally appeared before me the above-named David M. Knight and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_ (print name)  
My Commission expires \_\_ / \_\_ / \_\_

Inventor:

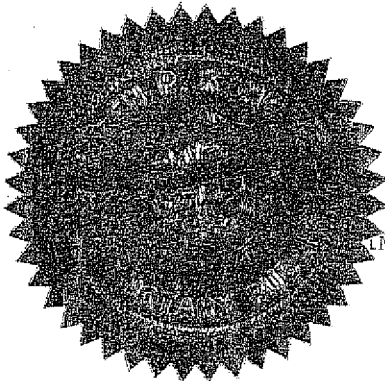
*Scott A. Siegel*  
Scott A. Siegel

State/Commonwealth

of Massachusetts

County of Worcester

Then personally appeared before me the above-name Scott A. Siegel and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 10<sup>th</sup> day of August, 1998.



*Karen P. Kemp* Notary Public

Karen P. Kemp (print name)

My Commission expires 4/9/2004

1M4AZ\9301M4AZ.AS1