

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

CORRECTIVE ASSIGNMENT

NATURE OF CONVEYANCE:

Corrective Assignment to correct the ASSIGNOR: MALEFYT, RENE DE WAAL previously recorded on Reel 020877 Frame 0971. Assignor(s) hereby confirms the ASSIGNOR SHOULD BE: DE WAAL MALEFYT, RENE.

CONVEYING PARTY DATA

Name	Execution Date
JEANINE D. MATTSON	03/10/2008
DANIEL M. GORMAN	03/10/2008
RENE de WAAL MALEFYT	03/10/2008
MOHAMAD A. MORSEY	03/06/2008

RECEIVING PARTY DATA

Name:	SCHERING-PLOUGH ANIMAL HEALTH CORPORATION
Street Address:	556 MORRIS AVENUE
City:	SUMMIT
State/Country:	NEW JERSEY
Postal Code:	07901

Name:	SCHERING-PLOUGH LTD.
Street Address:	WEYSTRASSE 20
Internal Address:	P.O. BOX CH-6000
City:	LUCERNE 6
State/Country:	SWITZERLAND

Name:	SCHERING-PLOUGH PTY. LIMITED
Street Address:	11 GIBBON ROAD
Internal Address:	BAULKHAM HILLS
City:	NEW SOUTH WALES
State/Country:	AUSTRALIA
Postal Code:	2153

PROPERTY NUMBERS Total: 1

Property Type	Number

PATENT

500552014

REEL: 021014 FRAME: 0790

CH \$40.00 11954143

Application Number: 11954143

CORRESPONDENCE DATA

Fax Number: (908)298-5388

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 908-298-5255

Email: shawn.m.armstrong@spcorp.com

Correspondent Name: SCHERING-PLOUGH CORPORATION

Address Line 1: 2000 GALLOPING HILL ROAD

Address Line 2: K-6-1, 1990

Address Line 4: KENILWORTH, NEW JERSEY 07033

ATTORNEY DOCKET NUMBER: AH06501US01

NAME OF SUBMITTER: SHAWN ARMSTRONG

Total Attachments: 20

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D:\SCHERING-PLOUGH CORPORATION COMPANY:2000 GALLOPING HILL ROAD

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.104/30/2008
500527183

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEANINE D. MATTSON	03/10/2008
DANIEL M. GORMAN	03/10/2008
RENE de WAAL MALEFYT	03/10/2008
MOHAMAD A. MORSEY	03/06/2008

RECEIVING PARTY DATA

Name:	SCHERING-PLOUGH ANIMAL HEALTH CORPORATION
Street Address:	556 MORRIS AVENUE
City:	SUMMIT
State/Country:	NEW JERSEY
Postal Code:	07901

Name:	SCHERING-PLOUGH LTD.
Street Address:	WEYSTRASSE 20
Internal Address:	P.O. BOX CH-6000
City:	LUCERNE 6
State/Country:	SWITZERLAND

Name:	SCHERING-PLOUGH PTY. LIMITED
Street Address:	11 GIBBON ROAD
Internal Address:	BAULKHAM HILLS
City:	NEW SOUTH WALES
State/Country:	AUSTRALIA
Postal Code:	2153

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11954143

CH \$40.00 11954143

D: SCHERING-PLOUGH CORPORATION COMPANY: 2000 GALLOPING HILL ROAD

CORRESPONDENCE DATA

Fax Number: (908)298-5388

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 908-298-5255

Email: shawn.m.armstrong@spcorp.com

Correspondent Name: SCHERING-PLOUGH CORPORATION

Address Line 1: 2000 GALLOPING HILL ROAD

Address Line 2: K-6-1, 1990

Address Line 4: KENILWORTH, NEW JERSEY 07033

ATTORNEY DOCKET NUMBER:

AH06501US01

NAME OF SUBMITTER:

SHAWN ARMSTRONG

Total Attachments: 12

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(Joint)

PATENT CASE: AH06501US01

ASSIGNMENT

For good and valuable consideration, receipt of which is acknowledged,

- (1) Jeanine D. Mattson,
- (2) Daniel M. Gorman,
- (3) Rene de Waal Malefyt,
- (4) Mohamad A. Morsey,

respectively residing at

- (1) San Francisco, CA,
- (2) Palo Alto, CA,
- (3) Sunnyvale, CA,
- (4) Omaha, NE,

we each do hereby sell, assign and transfer to SCHERING-PLOUGH ANIMAL HEALTH CORPORATION, a corporation organized under the laws of the State of Delaware, having its principal offices at 556 Morris Avenue, Summit, New Jersey 07901, with respect to the United States of America, SCHERING-PLOUGH LTD., a corporation organized under the laws of Switzerland, having its principal office at Weystasse 20, P.O. Box CH-6000, Lucerne 6, Switzerland, with respect to all other countries of the world, except Australia, and SCHERING-PLOUGH PTY. LIMITED, a corporation organized under the laws of Australia, having its principal office at 11 Gibbon Road, Baulkham Hills, New South Wales 2153, Australia, with respect to Australia (each, an "ASSIGNEE" with respect to the identified country(ies)) our respective entire rights, title and interest, in the respective country(ies) of the world:

in and to any and all of our invention(s) and discovery(ies) described in the patent applications, entitled

CANINE THYMIC STROMAL LYMPHOPOIETIN PROTEIN AND USES THEREOF

and officially identified* by the United States Patent and Trademark Office as, Application Number 11/954,143 filed on December 11, 2007 and/or by the World Intellectual Property Organization as International Patent Application Number US2007/025318 filed on December 11, 2007; in and to the right to file patent applications in the name of the respective **ASSIGNEE**, its designee, or in any or all of our names, at such ASSIGNEE's election, on the aforesaid invention(s) and discovery(ies) in the country(ies) of the world it selects, together with any or all rights of

PATENT

REEL: 021014 FRAME: 0794

priority in the aforesaid countries deriving from the above-identified patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models, and/or under any other international arrangement to which the United States now is, or hereafter becomes, a signatory; in and to any and all Letters Patent that issue on any of the aforesaid patent applications; in and to any and all applications claiming priority benefits from one or more provisional patent or other applications filed on said invention(s) and discovery(ies); and in and to any and all continuations, continuations-in-part, divisions, reissues, re-examinations, confirmations, additions, registrations, renewals, and revivals of any of said Letters Patent, and any and all extensions and supplementary protection certificates based thereon, the same to be held and enjoyed by each respective **ASSIGNEE**, its successors, assigns and other legal representatives, to the full ends of the terms for which a Letters Patent therefor and any extensions and supplementary protection certificates based thereon may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

And we hereby covenant and agree that we will at any time, upon the request and at the expense of any **ASSIGNEE(S)**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention(s) and discovery(ies), patent application(s), and Letters Patent, and any continuations, continuations-in-part, divisions, reissues, re-examinations, confirmations, additions, registrations, renewals, and revivals thereof, and any extensions and supplementary protection certificates based thereon, in the respective **ASSIGNEE(S)**, its/their successors, assigns and/or other legal representatives, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country(ies) concerned, and that we will, at any time, upon the request and at the expense of **ASSIGNEE(S)**, execute any additional, continuation, continuation-in-part, divisional, reissue or re-examination applications for patents for said invention(s) and discovery(ies), or any part or parts thereof, and applications for confirmation, registration, addition, renewal, revival, importation, extension and/or supplementary

protection certificate based on said Letters Patent, and on Letters Patent issuing from said additional, continuation, continuation-in-part or divisional applications and reissues, re-examinations, registrations, additions, renewals and revivals thereof, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of the respective **ASSIGNEE(S)**, its/their successors, assigns and/or other legal representatives.

*We hereby authorize any **ASSIGNEE** to insert in this instrument the Application Number and the filing date of said application for Letters Patent when officially notified thereof.

Executed this 10th day of March, 2008.

J. D. Mattson L.S.
Jeanine D. Mattson

ACKNOWLEDGEMENT

State of California)
County of Santa Clara) s.s.:

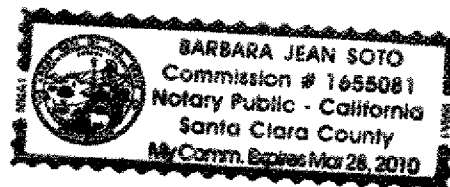
On March 10, 2008 before me, Barbara Jean Soto,
Notary Public,

personally appeared Jeanine D. Mattson,
who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Barbara Jean Soto
Signature of Notary Public



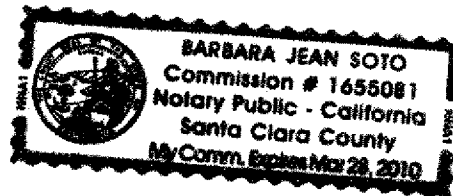
(Notary Seal)

Executed this 10th day of March, 2008.Daniel M. Gorman

L.S.

ACKNOWLEDGEMENTState of California)
County of Santa Clara) s.s.:On March 10, 2008 before me, Barbara Jean Soto,
Notary Public,personally appeared Daniel M. Gorman,
who proved to me on the basis of satisfactory evidence to be the person whose name is
subscribed to the within instrument and acknowledged to me that he/she executed the
same in his/her authorized capacity, and that by his/her signature on the instrument the
person, or the entity upon behalf of which the person acted, executed the instrument.I certify under PENALTY OF PERJURY under the laws of the State of California
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Barbara Jean Soto
Signature of Notary Public

(Notary Seal)

Executed this 10th day of March, 2008.

Rene de Waal Malefyt L.S.
Rene de Waal Malefyt

ACKNOWLEDGEMENT

State of California)
County of Santa Clara) s.s.:

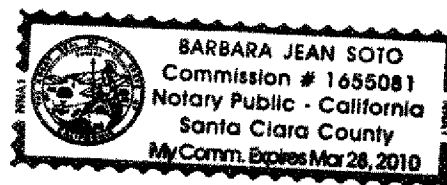
On March 10, 2008 before me, Barbara Jean Soto,
Notary Public,

personally appeared **Rene de Waal Malefyt**,
who proved to me on the basis of satisfactory evidence to be the person whose name is
subscribed to the within instrument and acknowledged to me that he/she executed the
same in his/her authorized capacity, and that by his/her signature on the instrument the
person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Barbara Jean Soto
Signature of Notary Public



(Notary Seal)

Executed this _____ day of _____, 20____.

Mohamad A. Morsey L.S.

ACKNOWLEDGEMENT

State of _____)
County of _____) s.s.:

On this _____ day of _____, **20**____, personally appeared before me **Mohamad A. Morsey** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Notary Public

(Joint)

PATENT CASE: AH06501US01

ASSIGNMENT

For good and valuable consideration, receipt of which is acknowledged,

- (1) Jeanine D. Mattson,
- (2) Daniel M. Gorman,
- (3) Rene de Waal Malefyt,
- (4) Mohamad A. Morsey,

respectively residing at

- (1) San Francisco, CA,
- (2) Palo Alto, CA,
- (3) Sunnyvale, CA,
- (4) Omaha, NE,

we each do hereby sell, assign and transfer to SCHERING-PLOUGH ANIMAL HEALTH CORPORATION, a corporation organized under the laws of the State of Delaware, having its principal offices at 556 Morris Avenue, Summit, New Jersey 07901, with respect to the United States of America, SCHERING-PLOUGH LTD., a corporation organized under the laws of Switzerland, having its principal office at Weyrstrasse 20, P.O. Box CH-6000, Lucerne 6, Switzerland, with respect to all other countries of the world, except Australia, and SCHERING-PLOUGH PTY. LIMITED, a corporation organized under the laws of Australia, having its principal office at 11 Gibbon Road, Baulkham Hills, New South Wales 2153, Australia, with respect to Australia (each, an "ASSIGNEE" with respect to the identified country(ies)) our respective entire rights, title and interest, in the respective country(ies) of the world:

in and to any and all of our invention(s) and discovery(ies) described in the patent applications, entitled

CANINE THYMIC STROMAL LYMPHOPOIETIN PROTEIN AND USES THEREOF

and officially identified* by the United States Patent and Trademark Office as, Application Number 11/954,143 filed on December 11, 2007 and/or by the World Intellectual Property Organization as International Patent Application Number US2007/025318 filed on December 11, 2007; in and to the right to file patent applications in the name of the respective **ASSIGNEE**, its designee, or in any or all of our names, at such ASSIGNEE's election, on the aforesaid invention(s) and discovery(ies) in the country(ies) of the world it selects, together with any or all rights of

PATENT

REEL: 021014 FRAME: 0800

priority in the aforesaid countries deriving from the above-identified patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models, and/or under any other international arrangement to which the United States now is, or hereafter becomes, a signatory; in and to any and all Letters Patent that issue on any of the aforesaid patent applications; in and to any and all applications claiming priority benefits from one or more provisional patent or other applications filed on said invention(s) and discovery(ies); and in and to any and all continuations, continuations-in-part, divisions, reissues, re-examinations, confirmations, additions, registrations, renewals, and revivals of any of said Letters Patent, and any and all extensions and supplementary protection certificates based thereon, the same to be held and enjoyed by each respective **ASSIGNEE**, its successors, assigns and other legal representatives, to the full ends of the terms for which a Letters Patent therefor and any extensions and supplementary protection certificates based thereon may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

And we hereby covenant and agree that we will at any time, upon the request and at the expense of any **ASSIGNEE(S)**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention(s) and discovery(ies), patent application(s), and Letters Patent, and any continuations, continuations-in-part, divisions, reissues, re-examinations, confirmations, additions, registrations, renewals, and revivals thereof, and any extensions and supplementary protection certificates based thereon, in the respective **ASSIGNEE(S)**, its/their successors, assigns and/or other legal representatives, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country(ies) concerned, and that we will, at any time, upon the request and at the expense of **ASSIGNEE(S)**, execute any additional, continuation, continuation-in-part, divisional, reissue or re-examination applications for patents for said invention(s) and discovery(ies), or any part or parts thereof, and applications for confirmation, registration, addition, renewal, revival, importation, extension and/or supplementary

protection certificate based on said Letters Patent, and on Letters Patent issuing from said additional, continuation, continuation-in-part or divisional applications and reissues, re-examinations, registrations, additions, renewals and revivals thereof, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of the respective **ASSIGNEE(S)**, its/their successors, assigns and/or other legal representatives.

*We hereby authorize any **ASSIGNEE** to insert in this instrument the Application Number and the filing date of said application for Letters Patent when officially notified thereof.

Executed this _____ day of _____, 20_____.

L.S.
Jeanine D. Mattson

ACKNOWLEDGEMENT

State of California)
) s.s.:
County of _____)

On _____ before me, _____,
Notary Public,

personally appeared **Jeanine D. Mattson**,
who proved to me on the basis of satisfactory evidence to be the person whose name is
subscribed to the within instrument and acknowledged to me that he/she executed the
same in his/her authorized capacity, and that by his/her signature on the instrument the
person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

(Notary Seal)

Executed this _____ day of _____, 20_____.

Daniel M. Gorman L.S.

ACKNOWLEDGEMENT

State of California)
) s.s.:
County of _____)

On _____ before me, _____,
Notary Public,

personally appeared **Daniel M. Gorman**,
who proved to me on the basis of satisfactory evidence to be the person whose name is
subscribed to the within instrument and acknowledged to me that he/she executed the
same in his/her authorized capacity, and that by his/her signature on the instrument the
person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

(Notary Seal)

Executed this _____ day of _____, 20_____.

L.S.
Rene de Waal Malefyt

ACKNOWLEDGEMENT

State of California)
) s.s.:
County of _____)

On _____ before me, _____,
Notary Public,

personally appeared **Rene de Waal Malefyt**,
who proved to me on the basis of satisfactory evidence to be the person whose name is
subscribed to the within instrument and acknowledged to me that he/she executed the
same in his/her authorized capacity, and that by his/her signature on the instrument the
person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

(Notary Seal)

Executed this 5th day of March, 2008.

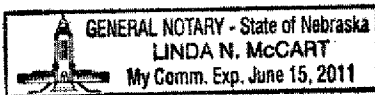
Mohamad A. Morsey L.S.
Mohamad A. Morsey

ACKNOWLEDGEMENT

State of Nebraska)
County of Douglas) s.s.:

On this 6 day of March, 2008, personally appeared before me Mohamad A. Morsey to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)



Linda N. McCart
Notary Public

D: SCHERING-PLOUGH CORPORATION COMPANY: 2000 GALLOPING HILL ROAD



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICEPATENT DEPARTMENT
RECEIVED

APRIL 30, 2008

MAY 02 2008

500527183A

SCHERING-PLOUGH CORPORATION
2000 GALLOPING HILL ROAD
K-6-1, 1990
KENILWORTH, NJ 07033

CompuTAS.cvi.dvw

Data Entry Date 5/4/2008

PA 12 (km 05/06/2008)

Attny

☐ FILE☐ CHECK FILEUNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 04/30/2008

REEL/FRAME: 020877/0971

NUMBER OF PAGES: 14

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: AH06501US01

ASSIGNOR:

MATTSON, JEANINE D.

DOC DATE: 03/10/2008

ASSIGNOR:

GORMAN, DANIEL M.

DOC DATE: 03/10/2008

ASSIGNOR:

MALEFYT, RENE DE WAAL

DOC DATE: 03/10/2008

ASSIGNOR:

MORSEY, MOHAMAD A.

DOC DATE: 03/06/2008

ASSIGNEE:

SCHERING-PLOUGH ANIMAL HEALTH
CORPORATION
556 MORRIS AVENUE
SUMMIT, NEW JERSEY 07901

D: SCHERING-PLOUGH CORPORATION COMPANY: 2000 GALLOPING HILL ROAD

020877/0971 PAGE 2

ASSIGNEE:

SCHERING-PLOUGH LTD.
WEYSTRASSE 20
P.O. BOX CH-6000
LUCERNE 6, SWITZERLAND

ASSIGNEE:

SCHERING-PLOUGH PTY. LIMITED
11 GIBBON ROAD
BAULKHAM HILLS
NEW SOUTH WALES, AUSTRALIA 2153

SERIAL NUMBER: 11954143

FILING DATE: 12/11/2007

PATENT NUMBER:

ISSUE DATE:

TITLE: CANINE THYMIC STROMAL LYMPHOPOIETIN PROTEIN AND USES THEREOF

ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

PATENT

RECORDED: 05/29/2008

REEL: 021014 FRAME: 0807