

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3590778

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DEBORAH LEE ZIMMERMAN	10/31/2007
W. MICHAEL KAVANAUGH	11/29/2007
GREGORY MARTIN HARROWE	10/16/2007
CHENG LIU	10/17/2007
KIRSTON KOTHS	10/12/2007
LI LONG	10/09/2007
MARIA CALDERON-CACIA	10/29/2007
RECEIVING PARTY DATA	
Name:	NOVARTIS VACCINES AND DIAGNOSTICS, INC.
Street Address:	4560 HORTON STREET
City:	EMERYVILLE
State/Country:	CALIFORNIA
Postal Code:	94608
PROPERTY NUMBERS Total: 2	
Property Type	Number
Patent Number:	9079956
Application Number:	14729548
CORRESPONDENCE DATA	
Fax Number:	(312)474-0448
<i>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.</i>	
Phone:	312-474-6300
Email:	docket@marshallip.com
Correspondent Name:	MARSHALL, GERSTEIN & BORUN LLP
Address Line 1:	233 S. WACKER DRIVE
Address Line 2:	SUITE 6300
Address Line 4:	CHICAGO, ILLINOIS 60606
ATTORNEY DOCKET NUMBER:	27527/40666A AND 40666B
NAME OF SUBMITTER:	ERIC M. BRUSCA
SIGNATURE:	/Eric M. Brusca #52,664/

PATENT

DATE SIGNED:	10/28/2015
Total Attachments: 19 source=40666assign#page1.tif source=40666assign#page2.tif source=40666assign#page3.tif source=40666assign#page4.tif source=40666assign#page5.tif source=40666assign#page6.tif source=40666assign#page7.tif source=40666assign#page8.tif source=40666assign#page9.tif source=40666assign#page10.tif source=40666assign#page11.tif source=40666assign#page12.tif source=40666assign#page13.tif source=40666assign#page14.tif source=40666assign#page15.tif source=40666assign#page16.tif source=40666assign#page17.tif source=40666assign#page18.tif source=40666assign#page19.tif	

ASSIGNMENT

WHEREAS, We, Deborah Lee Zimmerman, Gregory Martin Harrowe, Cheng Liu, Kirston Koths, W. Michael Kavanaugh, Li Long, and Maria Calderon-Cacia, hereinafter referred to as *ASSIGNORS*, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: M-CSF-SPECIFIC MONOCLONAL ANTIBODY AND USES THEREOF

Date(s) of Execution: October 12, 2007 Filing Date: July 7, 2006

Serial No: 10/585,459

WHEREAS, NOVARTIS VACCINES AND DIAGNOSTICS, INC., 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as *ASSIGNEE*, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to *ASSIGNORS* by *ASSIGNEE*, receipt of which is hereby acknowledged, *ASSIGNORS* have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said *ASSIGNEE*, and *ASSIGNEE'S* successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said *ASSIGNEE* as fully and exclusively as it would have been held and enjoyed by said *ASSIGNORS* had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNORS also agree that the U.S. application number may be entered above by *ASSIGNEE* or its agents upon designation of the application number by the U.S. Patent and Trademark Office.

ASSIGNORS further agree that they will, without charge to said *ASSIGNEE*, but at *ASSIGNEE'S* expense, cooperate with *ASSIGNEE* in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as *ASSIGNEE* lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said *ASSIGNEE*, or *ASSIGNEE'S* successors and assigns.

IN TESTIMONY WHEREOF, *ASSIGNORS* have hereunto signed their names to this assignment on the dates indicated below.

DATE _____

Deborah Lee Zimmerman

Witness Signature

DATE _____

Gregory Martin Harrowe

Witness Signature

DATE _____

Cheng Liu

Witness Signature

DATE

October 12, 2007Kirsten KothsWitness Signature

DATE

W. Michael Kavanaugh

DATE

Li LongWitness Signature

DATE

Maria Calderon-CaciaWitness Signature

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Title of Invention: M-CSF-SPECIFIC MONOCLONAL ANTIBODY AND USES THEREOF

Date(s) of Execution: October 31, 2007 Filing Date: July 7, 2006
November 29, 2007

Serial No: 10/585,459

WHEREAS, NOVARTIS VACCINES AND DIAGNOSTICS, INC., 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as *ASSIGNEE*, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

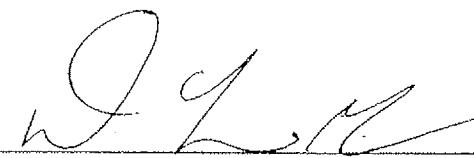
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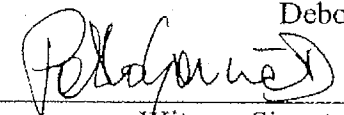
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IN TESTIMONY WHEREOF, *ASSIGNORS* have hereunto signed their names to this assignment on the dates indicated below.

DATE 10.31.07


Deborah Lee Zimmerman


Witness Signature

DATE _____

Gregory Martin Harrowe

Witness Signature

DATE _____

Cheng Liu

Witness Signature

DATE _____

Kirston Koths

Witness Signature

DATE Nov 29, 2007

W. Michael Kavanagh
W. Michael Kavanagh

DATE _____

Li Long

Witness Signature

DATE _____

Maria Calderon-Cacia

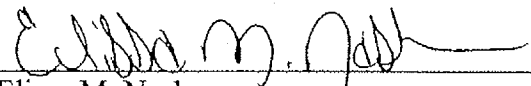
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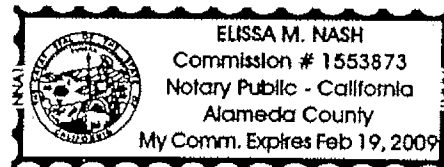
State of California

County of Alameda

On November 29, 2007 before me, Elissa M. Nash, personally appeared W. Michael Kavanaugh, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


Elissa M. Nash



ASSIGNMENT

WHEREAS, We, Deborah Lee Zimmerman, Gregory Martin Harrowe, Cheng Liu, Kirston Koths, W. Michael Kavanaugh, Li Long, and Maria Calderon-Cacia, hereinafter referred to as *ASSIGNORS*, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: M-CSF-SPECIFIC MONOCLONAL ANTIBODY AND USES THEREOF

Date(s) of Execution: October 9, 2007 Filing Date: July 7, 2006

Serial No: 10/585,459

WHEREAS, NOVARTIS VACCINES AND DIAGNOSTICS, INC., 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as *ASSIGNEE*, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

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Gregory Martin Harrowe

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C'heng Liu

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Kirston Koths

Witness Signature

DATE _____

W. Michael Kavanaugh

DATE 10/9/07Li Long
Li LongWitness Signature
Witness Signature

DATE _____

Maria Calderon-Cacia

Witness Signature

ASSIGNMENT

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Title of Invention: M-CSF-SPECIFIC MONOCLONAL ANTIBODY AND USES THEREOF

Date(s) of Execution: October 16, 2007 Filing Date: July 7, 2006

Serial No: 10/585,459

WHEREAS, NOVARTIS VACCINES AND DIAGNOSTICS, INC., 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

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DATE

10/16/07

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Cheng Liu_____
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W. Michael Kavanaugh

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Title of Invention: M-CSF-SPECIFIC MONOCLONAL ANTIBODY AND USES THEREOF

Date(s) of Execution: October 17, 2007 Filing Date: July 7, 2006

Serial No: 10/585,459

WHEREAS, NOVARTIS VACCINES AND DIAGNOSTICS, INC., 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as *ASSIGNEE*, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

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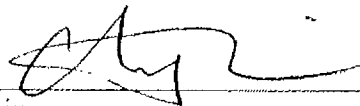
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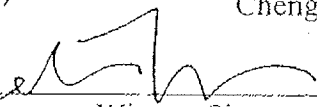
Gregory Martin Harrowe

Witness Signature

DATE Oct 17, 2007



Cheng Liu



Witness Signature

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Kirston Koths_____
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W. Michael Kavanaugh

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Li Long_____
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Title of Invention: M-CSF-SPECIFIC MONOCLONAL ANTIBODY AND USES THEREOF

Date(s) of Execution: October 29, 2007

Filing Date: July 7, 2006

Serial No: 10/585,459

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Witness SignatureDATE Oct. 29, 2007Maria Calderon-Cacia
Maria Calderon-Cacia[Signature]
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