

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Georgette Castanedo	05/22/2008
Jennafer Dotson	06/04/2008
Richard Goldsmith	05/30/2008
Janet Gunzner	05/22/2008
Tim Heffron	05/23/2008
Simon Mathieu	05/27/2008
Alan Olivero	05/27/2008
Daniel P. Sutherlin	06/01/2008
Shumei Wang	05/30/2008
Bing-Yan Zhu	06/02/2008
Steven Staben	05/23/2008
Vickie Tsui	06/24/2008

RECEIVING PARTY DATA

Name:	Genentech, Inc.
Street Address:	1 DNA Way
City:	South San Francisco
State/Country:	CALIFORNIA
Postal Code:	940804490

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11951189

CORRESPONDENCE DATA

Fax Number: (952)876-4098

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

Phone: 952-876-4084

Email: tjosephs@vhpglobalip.com

PATENT

500588921

REEL: 021218 FRAME: 0702

CH \$40.00 11951189

Correspondent Name: Tanya Josephs
Address Line 1: 7900 International Drive Ste. 670
Address Line 4: Bloomington, MINNESOTA 55425

ATTORNEY DOCKET NUMBER:

1005.012US1

NAME OF SUBMITTER:

Tanya K. Josephs

Total Attachments: 18

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ASSIGNMENT

WHEREAS, We, Georgette Castanedo, residing at 1320 Woodside Road, Redwood City, CA 94061; and Jennafer Dotson, residing at 2552 Belmont Canyon Road, Belmont, CA 94002; and Richard Goldsmith, residing at 2108 Coronet Blvd., Belmont, CA 94002; and Janet Gunzner, residing at 2908 Pine Avenue, Berkeley, CA 94705; and Tim Heffron, residing at 932 Azalea Avenue, Burlingame, CA 94010; and Simon Mathieu, residing at 1611 Vallejo Street, #202, San Francisco, CA 94123; and Alan Olivero, residing at 680 Highland Ave., Half Moon Bay, CA 94019; and Daniel P. Sutherlin, residing at 1244 Cortez Avenue, Burlingame, CA 94010; and Shumei Wang, residing at 861 Comet Drive, Foster City, CA 94404; and Bing-Yan Zhu, residing at 135 Lois Lane, Palo Alto, CA 94303; and Steven Staben, residing at 500 Arkansas Street, San Francisco, CA 94107; and Vickie Tsui, residing at 650 Chestnut Street, #108, San Francisco, CA 94133; made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on December 5, 2007, which application was assigned U.S. patent application serial number 11/951,189, and is entitled PHOSPHOINOSITIDE 3-KINASE INHIBITOR COMPOUNDS AND METHODS OF USE.

AND WHEREAS, GENENTECH, INC., a corporation organized and existing under and by virtue of the laws of the state of Delaware, having an office and place of business at residing at 1 DNA Way, South San Francisco, California 94080-4990 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

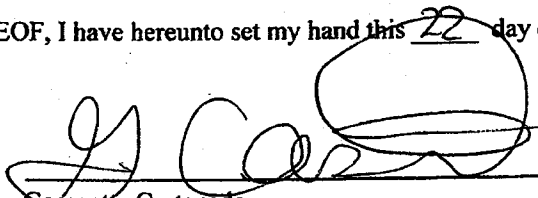
NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of

May, 2008.



Georgette Castanedo

IN TESTIMONY WHEREOF, I have hereunto set my hand this 4th day of
June, 2008.

Jennafer Dotson
Jennafer Dotson

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Richard Goldsmith

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Janet Gunzner

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Tim Heffron

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Simon Mathieu

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Jennafer Dotson

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30 day of

May, 2008.

Richard Goldsmith

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Janet Gunzner

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Tim Heffron

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Simon Mathieu

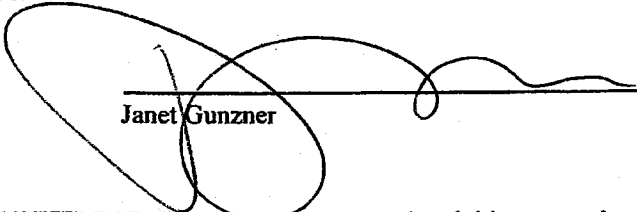
IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008.

Jennafer Dotson

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008.

Richard Goldsmith

IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of May, 2008.



Janet Gunzner

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008.

Tim Heffron

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008.

Simon Mathieu

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Jennafer Dotson

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Richard Goldsmith

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Janet Gunzner

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23 day of
May, 2008.



Tim Heffron

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Simon Mathieu

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Jennafer Dotson

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Richard Goldsmith

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Janet Gunzner

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Tim Heffron

IN TESTIMONY WHEREOF, I have hereunto set my hand this 27th day of
May, 2008.



Simon Mathieu

IN TESTIMONY WHEREOF, I have hereunto set my hand this 27 day of
May, 2008.



Alan Olivero

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Daniel P. Sutherlin

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Shumei Wang

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Bing-Yan Zhu

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Steven Staben

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Alan Olivero

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1 day of
June, 2008.



Daniel P. Sutherland

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Shumei Wang

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Bing-Yan Zhu

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Steven Staben

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of

_____, 2008.

Alan Olivero

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of

_____, 2008.

Daniel P. Sutherlin

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30th day of

May, 2008.



Shumei Wang

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of

_____, 2008.

Bing-Yan Zhu

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of

_____, 2008.

Steven Staben

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Alan Olivero

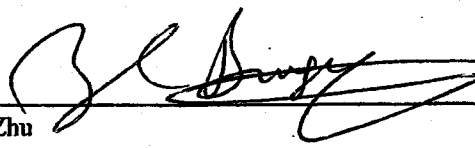
IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Daniel P. Sutherlin

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Shumei Wang

IN TESTIMONY WHEREOF, I have hereunto set my hand this 2 day of
June, 2008.



Bing-Yan Zhu

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
_____, 2008.

Steven Staben

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Alan Olivero

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Daniel P. Sutherlin


IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Shumei Wang

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Bing-Yan Zhu

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23rd day of
MAY, 2008.



Steven Staben

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Vickie Tsui

ASSIGNMENT

WHEREAS, We, Georgette Castanedo, residing at 1320 Woodside Road, Redwood City, CA 94061; and Jennafer Dotson, residing at 2552 Belmont Canyon Road, Belmont, CA 94002; and Richard Goldsmith, residing at 2108 Coronet Blvd., Belmont, CA 94002; and Janet Gunzner, residing at 2908 Pine Avenue, Berkeley, CA 94705; and Tim Heffron, residing at 932 Azalea Avenue, Burlingame, CA 94010; and Simon Mathieu, residing at 1611 Vallejo Street, #202, San Francisco, CA 94123; and Alan Olivero, residing at 680 Highland Ave., Half Moon Bay, CA 94019; and Daniel P. Sutherlin, residing at 1244 Cortez Avenue, Burlingame, CA 94010; and Shumei Wang, residing at 861 Comet Drive, Foster City, CA 94404; and Bing-Yan Zhu, residing at 135 Lois Lane, Palo Alto, CA 94303; and Steven Staben, residing at 500 Arkansas Street, San Francisco, CA 94107; and Vickie Tsui, residing at 2626 Martinez Avenue, Burlingame, CA 94010-5829; made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on December 5, 2007, which application was assigned U.S. patent application serial number 11/951,189, and is entitled PHOSPHOINOSITIDE 3-KINASE INHIBITOR COMPOUNDS AND METHODS OF USE.

AND WHEREAS, GENENTECH, INC., a corporation organized and existing under and by virtue of the laws of the state of Delaware, having an office and place of business at residing at 1 DNA Way, South San Francisco, California 94080-4990 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2008.

Georgette Castanedo

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Jennafer Dotson

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Richard Goldsmith

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Janet Gunzner

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Tim Heffron

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Simon Mathieu

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Alan Olivero

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Daniel P. Sutherlin

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Shumei Wang

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Bing-Yan Zhu

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of
_____, 2008.

Steven Staben

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24th day of

June, 2008.



Vickie Tsui