

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>MARCIA BELVIN</td> <td>10/10/2008</td> </tr> <tr> <td>LORI FRIEDMAN</td> <td>10/10/2008</td> </tr> <tr> <td>KLAUS HOEFELICH</td> <td>10/13/2008</td> </tr> <tr> <td>DEEPAK SAMPATH</td> <td>10/15/2008</td> </tr> <tr> <td>ULKA VIJAPURKAR</td> <td>10/10/2008</td> </tr> <tr> <td>JEFFREY WALLIN</td> <td>10/13/2008</td> </tr> <tr> <td>LEISA JOHNSON</td> <td>10/13/2008</td> </tr> <tr> <td>MALLIKA SINGH</td> <td>10/13/2008</td> </tr> </tbody> </table>		Name	Execution Date	MARCIA BELVIN	10/10/2008	LORI FRIEDMAN	10/10/2008	KLAUS HOEFELICH	10/13/2008	DEEPAK SAMPATH	10/15/2008	ULKA VIJAPURKAR	10/10/2008	JEFFREY WALLIN	10/13/2008	LEISA JOHNSON	10/13/2008	MALLIKA SINGH	10/13/2008
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RECEIVING PARTY DATA																			
Name:	GENENTECH, INC.																		
Street Address:	1 DNA WAY																		
City:	SOUTH SAN FRANCISCO																		
State/Country:	CALIFORNIA																		
Postal Code:	94080																		
PROPERTY NUMBERS Total: 1																			
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13109670</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13109670														
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Application Number:	13109670																		
CORRESPONDENCE DATA																			
Fax Number:	(952)876-4098																		
Phone:	9528764087																		
Email:	aferro@vhpglobalip.com																		
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																			
Correspondent Name:	VIKSINIS HARRIS & PADYS PLLP																		
Address Line 1:	7900 INTERNATIONAL DRIVE, SUITE 670																		
Address Line 4:	BLOOMINGTON, MINNESOTA 55425																		

ATTORNEY DOCKET NUMBER:	01005.014US2
NAME OF SUBMITTER:	PETER L. MALEN
Signature:	/Peter L. Malen/
Date:	11/05/2013

Total Attachments: 21

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ASSIGNMENT

WHEREAS, We, Marcia Belvin, residing at One DNA Way, South San Francisco, CA 94080; and Lori Friedman, residing at One DNA Way, South San Francisco, CA 94080; and Klaus Hoefflich, residing at One DNA Way, South San Francisco, CA 94080; and Deepak Sampath, residing at One DNA Way, South San Francisco, CA 94080; and Ulka Vijapurkar, residing at One DNA Way, South San Francisco, CA 94080; and Jeffrey Wallin, residing at One DNA Way, South San Francisco, CA 94080; and Leisa Johnson, residing at One DNA Way, South San Francisco, CA 94080; and Mallika Singh, residing at One DNA Way, South San Francisco, CA 94080; made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on September 10, 2008, which application was assigned U.S. patent application serial number 12/208,227, and is entitled COMBINATIONS OF PHOSPHOINOSITIDE 3-KINASE INHIBITOR COMPOUNDS AND CHEMOTHERAPEUTIC AGENTS, AND METHODS OF USE and for which we filed an International Patent Application on September 10, 2008, which application was assigned International Patent Application Number PCT/US2008/075883, and is entitled COMBINATIONS OF PHOSPHOINOSITIDE 3-KINASE INHIBITOR COMPOUNDS AND CHEMOTHERAPEUTIC AGENTS, 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 1 DNA Way, South San Francisco, California 94080 (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.

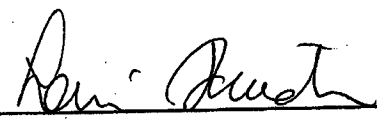
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IN TESTIMONY WHEREOF, I have hereunto set my hand this 10 day of
October, 2008.



Marcia Belvin

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10 day of
October, 2008.



Lori Friedman

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

Klaus Hoeflich

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_____, 2008.

Deepak Sampath

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Ulka Vijapurkar

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Leisa Johnson

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Mallika Singh

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Lori Friedman

IN TESTIMONY WHEREOF, I have hereunto set my hand this 13 day of October, 2008.

K Hoeflich
Klaus Hoeflich

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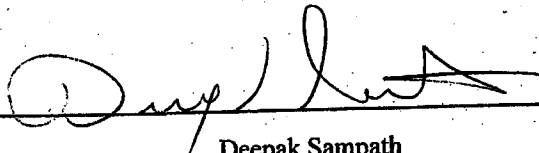
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Klaus Hoeflich

IN TESTIMONY WHEREOF, I have hereunto set my hand this 15 day of
OCTOBER, 2008.



Deepak Sampath

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of
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IN TESTIMONY WHEREOF, I have hereunto set my hand this 10th day of October, 2008.

Ujapurkar

Ulka Vijapurkar

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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.

Marcia Belvin

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

Lori Friedman

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

Klaus Hoeflich

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

Deepak Sampath

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

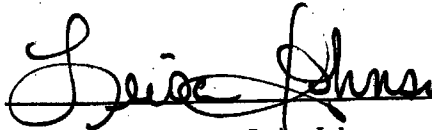
Ulka Vijapurkar

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

Jeffrey Wallin

IN TESTIMONY WHEREOF, I have hereunto set my hand this 13th day of

October, 2008.



Leisa Johnson

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

Mallika Singh

ASSIGNMENT

WHEREAS, We, Marcia Belvin, residing at One DNA Way, South San Francisco, CA 94080; and Lori Friedman, residing at One DNA Way, South San Francisco, CA 94080; and Klaus Hoefflich, residing at One DNA Way, South San Francisco, CA 94080; and Deepak Sampath, residing at One DNA Way, South San Francisco, CA 94080; and Ulka Vijapurkar, residing at One DNA Way, South San Francisco, CA 94080; and Jeffrey Wallin, residing at One DNA Way, South San Francisco, CA 94080; and Leisa Johnson, residing at One DNA Way, South San Francisco, CA 94080; and Mallika Singh, residing at One DNA Way, South San Francisco, CA 94080; made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on September 10, 2008, which application was assigned U.S. patent application serial number 12/208,227, and is entitled COMBINATIONS OF PHOSPHOINOSITIDE 3-KINASE INHIBITOR COMPOUNDS AND CHEMOTHERAPEUTIC AGENTS, AND METHODS OF USE and for which we filed an International Patent Application on September 10, 2008, which application was assigned International Patent Application Number PCT/US2008/075883, and is entitled COMBINATIONS OF PHOSPHOINOSITIDE 3-KINASE INHIBITOR COMPOUNDS AND CHEMOTHERAPEUTIC AGENTS, AND METHODS OF USE.

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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.

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Marcia Belvin

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

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Klaus Hoeflich

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

Deepak Sampath

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

Ulka Vijapurkar

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

Jeffrey Wallin

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

Leisa Johnson

IN TESTIMONY WHEREOF, I have hereunto set my hand this 13th day of October, 2008.

Mallika Singh
~~Mallika Singh~~