PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3964741

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| JANE SCHMIDT | 05/02/2014 |
| JACOB SCHWARZ | 03/28/2014 |
| LEWIS GAZZARD | 03/28/2014 |
| HUIFEN CHEN | 04/02/2014 |

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

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15197479 |

CORRESPONDENCE DATA

Fax Number:

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.

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Correspondent Name: VIKSNINS HARRIS & PADYS PLLP

Address Line 1: 7851 METRO PARKWAY

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Address Line 4: BLOOMINGTON, MINNESOTA 55425

| ATTORNEY DOCKET NUMBER: | 02122.122US1 |
|-------------------------|--------------|
| NAME OF SUBMITTER: | YANG LI |
| SIGNATURE: | /Yang Li/ |
| DATE SIGNED: | 07/15/2016 |

Total Attachments: 11

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PATENT 503918088 REEL: 039170 FRAME: 0530

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ASSIGNMENT

WHEREAS, We, <u>JACOB SCHWARZ</u>, <u>JANE SCHMIDT</u>, <u>LEWIS GAZZARD</u> and <u>HUIFEN CHEN</u>, made certain new and useful inventions and improvements for which we filed a Patent Application in the United States on <u>DECEMBER 30, 2013</u>, which application was assigned U.S. Patent Application Serial Number <u>61/922,045</u>.

AND WHEREAS, <u>GENENTECH</u>, <u>INC.</u>, having an office and place of business at <u>1</u> <u>DNA WAY</u>, <u>SOUTH SAN FRANCISCO</u>, <u>CA 94080</u> (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to any 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 are hereby acknowledged, we hereby sell, assign, transfer and set over unto said Assignee, including its successors and assigns, our entire right, title and interest to all inventions disclosed in the aforesaid application(s), including all rights to claim priority therefrom, and to any and all present or future patent applications to such inventions filed in the United States or any other country or region, inclusive of, but not limited to, all divisions, continuations, continuations-in-part, renewals thereof, substitutions, reexaminations, reissues, provisional patent applications, applications filed under the Patent Cooperation Treaty, certificates of addition, utility models, and petty patents, as well as all other intellectual property related to the applications, inclusive of, but not limited to, supplementary protection certificates, and to any and all Letters Patents and any related patent term extensions that may be granted for said Letters Patents with respect to the applications; all of the above to be held by Assignee as fully and entirely as the same would have been held by us had this Assignment not been made.

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 |
|--|
| , 2014. |
| JACOB SCHWARZ |
| IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day of 15 day of 1 |
| JANE SCHMIDT See attached notang Certification (AN) 05-02-2014 IN TESTIMONY WHEREOF, I have hereunto set my hand this day of |
| IN TESTIMONY WHEREOF, I have hereunto set my hand this day of |
| , 2014. |
| LEWIS GAZZARD |

ACKNOWLEDGMENT State of California San Francisco County of before me, R. A. Druecker, Notary Public (insert name and title of the officer) JANE SCHMIDT personally appeared who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/theic authorized capacity (les), and that by his/her/theic signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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. R. A. DRUECKER WITNESS my hand and official seal. Commission # 2004171 Notary Public - California **Alameda County** My Comm. Expires Feb 13, 2017

| Docket No: 02121.122PV1 Serial No.: 61/922,045 | |
|--|--------------------|
| IN TESTIMONY WHEREOF, I have hereunto set m | y hand this day of |
| , 2014. | |
| HINEEN CHEN | |

GENENTECH, INC

NAME:

Irene Pleasure

TITLE: <u>Head of Patents</u> Genentech, Inc.

Authorized Corporate Signatory

ASSIGNMENT

WHEREAS, We, <u>JACOB SCHWARZ</u>, <u>JANE SCHMIDT</u>, <u>LEWIS GAZZARD</u> and <u>HUIFEN CHEN</u>, made certain new and useful inventions and improvements for which we filed a Patent Application in the United States on <u>DECEMBER 30</u>, <u>2013</u>, which application was assigned U.S. Patent Application Serial Number <u>61/922,045</u>.

AND WHEREAS, <u>GENENTECH</u>, <u>INC.</u>, having an office and place of business at <u>1</u> <u>DNA WAY</u>, <u>SOUTH SAN FRANCISCO</u>, <u>CA 94080</u> (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to any 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 are hereby acknowledged, we hereby sell, assign, transfer and set over unto said Assignee, including its successors and assigns, our entire right, title and interest to all inventions disclosed in the aforesaid application(s), including all rights to claim priority therefrom, and to any and all present or future patent applications to such inventions filed in the United States or any other country or region, inclusive of, but not limited to, all divisions, continuations, continuations-in-part, renewals thereof, substitutions, reexaminations, reissues, provisional patent applications, applications filed under the Patent Cooperation Treaty, certificates of addition, utility models, and petty patents, as well as all other intellectual property related to the applications, inclusive of, but not limited to, supplementary protection certificates, and to any and all Letters Patents and any related patent term extensions that may be granted for said Letters Patents with respect to the applications; all of the above to be held by Assignee as fully and entirely as the same would have been held by us had this Assignment not been made.

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 WHE | REOF, I have hereunto set my hand this 28 day of |
|----------------------|--|
| <u>March</u> , 2014. | Jan BSd- |
| | JACOB SCHWARZ |
| IN TESTIMONY WHE | REOF, I have hereunto set my hand this day of |
| , 2014. | *. |
| | JANE SCHMIDT |
| Harch, 2014. | REOF, I have hereunto set my hand this 28th day of |
| | LEWIS GA77ARD |

IN TESTIMONY WHEREOF, I have hereunto set my hand this 2nd day of

HUIFPN CHEN

ACKNOWLEDGMENT

| State of California | | | | | |
|--|---|--|--|--|-------------|
| County of San Mateo | |) | • | · | |
| | | | | | |
| On March 28, 2014 | before me, | September C | C. Plumlee, Notai | ry Public | |
| | - | (insert r | name and title o | of the officer) | |
| personally appeared Lewis Gazzar who proved to me on the basis of subscribed to the within instrumer his/her/their authorized capacity(in person(s), or the entity upon behalf certify under PENALTY OF PER paragraph is true and correct. | satisfactory ent and acknownes), and that the last of which the | evidence to be viedged to mosy his/her/the experson(s) a | e that he/she/their signature(s) acted, executed | ney executed the sai on the instrument th I the instrument. | me in le |
| paragraph to true and correct. | | , | Santunitanintani | | |
| WITNESS my hand and official se | eal. | | A Tripid | SEPTEMBER C. PLUMLI Commission # 2050813 Notary Public - Californi | |
| Signature Stember C. J | Penle | (Seal) | | Sán Mateo County Ay Comm. Expires Ján 1, Шининининининининининининининининининин | = |

ACKNOWLEDGMENT State of California County of San Mateo before me, September C. Plumlee, Notary Public On April 2, 2014 (insert name and title of the officer) personally appeared Huiten Chen who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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. sancemental mineriori in interiori in interiori in interiori in interiori in interiori interiori interiori inte SEPTEMBER C. PLUMLEE WITNESS my hand and official seal. Commission # 2050813 Notary Public - California San Mateo County My Comm. Expires Jan 1, 2018

(Seal)

WE AGREE TO AND ACCEPT THE ATTACHED ASSIGNMENT DOCUMENT ON THIS DAY OF , 2014.

GENENTECH, INC

NAME:

[Irene Pleasure

TITLE: Head of Patents

Genentech, Inc.

Authorized Corporate Signatory

PATENT REEL: 039170 FRAME: 0542

RECORDED: 07/15/2016