

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3055611

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JUSTIN K. MURRAY	02/26/2014
JERRY RYAN HOLDER	03/05/2014
MALGORZATA WANSKA	02/26/2014
CHRISTOPHER M. TEGLEY	02/26/2014
JAMES R. FALSEY	02/26/2014
ELIZABETH M. DOHERTY	02/26/2014
LESLIE P. MIRANDA	03/03/2014
KAUSTAV BISWAS	02/26/2014
BIN WU	02/27/2014
KELVIN SHAM	02/26/2014
JASON C. LONG	02/26/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AMGEN INC.
<b>Street Address:</b>	ONE AMGEN CENTER DRIVE
<b>City:</b>	THOUSAND OAKS
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	91320-1799
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>PCT Number:</b>	US2014025062
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(805)499-8011
<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>	
<b>Phone:</b>	805.447.1000
<b>Email:</b>	ndiamond@amgen.com
<b>Correspondent Name:</b>	AMGEN INC.
<b>Address Line 1:</b>	ONE AMGEN CENTER DRIVE
<b>Address Line 2:</b>	PATENT OPERATIONS, M/S 28-2-C
<b>Address Line 4:</b>	THOUSAND OAKS, CALIFORNIA 91320-1799

PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	A-1779-WO-PCT
<b>NAME OF SUBMITTER:</b>	NOLA DIAMOND
<b>SIGNATURE:</b>	/Nola Diamond/
<b>DATE SIGNED:</b>	10/07/2014

**Total Attachments: 13**

source=A-1779-WO-PCT Assignment#page1.tif  
source=A-1779-WO-PCT Assignment#page2.tif  
source=A-1779-WO-PCT Assignment#page3.tif  
source=A-1779-WO-PCT Assignment#page4.tif  
source=A-1779-WO-PCT Assignment#page5.tif  
source=A-1779-WO-PCT Assignment#page6.tif  
source=A-1779-WO-PCT Assignment#page7.tif  
source=A-1779-WO-PCT Assignment#page8.tif  
source=A-1779-WO-PCT Assignment#page9.tif  
source=A-1779-WO-PCT Assignment#page10.tif  
source=A-1779-WO-PCT Assignment#page11.tif  
source=A-1779-WO-PCT Assignment#page12.tif  
source=A-1779-WO-PCT Assignment#page13.tif

**ASSIGNMENT**

Whereas, I/we, MURRAY, Justin K., 6879 Pecan Avenue, Moorpark, CA 93021 USA  
HOLDER, Jerry Ryan, 1102 Waltham Road, Simi Valley, CA 93065 USA  
WANSKA, Malgorzata, 5829 Hickory Drive, #D, Oak Park, CA 91377  
TEGLEY, Christopher M., 478 Thunderhead Street, Thousand Oaks, CA 91360  
FALSEY, James R., 4943 Hollyglen Court, Moorpark, CA 93021 USA  
DOHERTY, Elizabeth M., 1542 Campbell Avenue, Thousand Oaks, CA 91360  
USA  
MIRANDA, Leslie P., 3586 Mapleknoll Place, Thousand Oaks, CA 91362 USA  
BISWAS, Kaustav, 5666 Silver Valley Avenue, Agoura Hills, CA 91301 USA  
WU, Bin, 3090 Hollycrest Avenue, Thousand Oaks, CA 91362 USA  
SHAM, Kelvin, 3111 La Casa Court, Thousand Oaks, CA 91362 USA  
LONG, Jason C., 148 Beech Road, Newbury Park, CA 91320 USA

(hereinafter referred to as ASSIGNOR), have made an invention which is the subject of an application for Letters Patent of the United States; and/or is the subject of a provisional application; and/or is the subject of an international application; and/or is the subject of other patent application(s) in other jurisdictions worldwide ("Application") entitled

POTENT AND SELECTIVE INHIBITORS OF NAV1.7

which is found in:

- ☒ International Application No. PCT/US2014/025062 filed March 12, 2014; which claims the benefit of U.S. Provisional Application No. 61/778,331 filed March 12, 2013 and U.S. Provisional Application No. 61/944,462 filed February 25, 2014.
- ☒ ASSIGNOR hereby authorizes and requests ASSIGNEE or its legal representative to insert herein above the application number and filing date of said Application(s) when known.

Whereas AMGEN INC., a Delaware corporation having its principal place of business at One Amgen Center Drive, Thousand Oaks, California 91320-1799 wishes to acquire the entire right, title, and interest in all inventions disclosed in such Application;

Now, therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto AMGEN INC., its successors and assigns (collectively "ASSIGNEE") ASSIGNOR'S entire right, title and interest in, to and under the Application, and

any provisional application(s) from which Application is derived, and all priority rights to which the Application may be entitled, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for such inventions, or any of them, including divisional, continuation, continuation-in-part, substitute, reissue, and/or reexamination applications based on the above identified Application, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by ASSIGNEE for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, and any extensions thereof, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment and sale not been made.

Further, ASSIGNOR hereby sells, assigns, transfers, and sets over unto ASSIGNEE ASSIGNOR'S entire right, title and interest in or to the right to refer to, to access, and to control microorganism(s) or other biological material(s) related to the Application and which are deposited by ASSIGNOR or at ASSIGNOR'S direction or deposited on ASSIGNOR'S behalf by ASSIGNEE, its affiliates, employees, or employees of its affiliates. The transfer of such right, title and interest includes, without limitation, ASSIGNOR'S unreserved and irrevocable consent and authorization to ASSIGNEE to refer to the deposited microorganism(s) or other biological material(s) in the Application and the right to make available to the public the deposited material in accordance with the laws, treaties, statutes, rules, regulations and the like of the United States, all other countries, and any patent granting authority or organization.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any foreign Patent Office authority to issue any such Letters Patent which may be granted on the Application to ASSIGNEE as assignee of the entire right, title and interest therein and thereto.

For ASSIGNOR and for ASSIGNOR'S legal representatives, ASSIGNOR covenants and agrees with ASSIGNEE that ASSIGNOR has not granted to any others any license to make, use or sell any of such inventions, that ASSIGNOR'S right, title and interest in such inventions has not been encumbered, that ASSIGNOR has good right and title to sell and assign the same, and that ASSIGNOR will not execute any instrument in conflict herewith.

For ASSIGNOR and for ASSIGNOR'S heirs, successors and legal representatives, ASSIGNOR further covenants and agrees with ASSIGNEE that upon request ASSIGNOR and ASSIGNOR'S heirs, successors and legal representatives will: (i) execute continuing, divisional, substitute, reexamination, and/or reissue applications, amended specifications, or rightful declarations or oaths; (ii) communicate to ASSIGNEE any facts known to ASSIGNOR or ASSIGNOR'S heirs, successors and legal representatives relating to such inventions or the history thereof; (iii) execute preliminary statements and testify in any interference proceedings or litigation; (iv) execute and deliver any application papers, assignments, or other instruments; and (v) do all other acts which, in the opinion of counsel for ASSIGNEE, may be necessary or desirable to secure the grant of Letters Patent to ASSIGNEE or its nominees, in the United States and in all other countries where ASSIGNEE may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for ASSIGNEE and to vest and confirm in ASSIGNEE or its nominees the full and complete legal

and equitable title to all such Letters Patent, without further consideration than that now paid at the expense of ASSIGNEE.

In Witness Whereof I have executed this assignment on February 26 2014.  
(Month, Day) (Year)

Justin K. MURRAY  
(Name of Inventor)

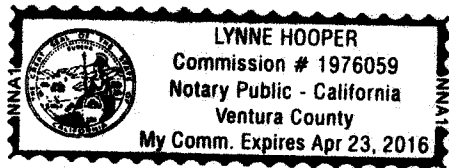
*Justin K. Murray*  
(Signature of Inventor)

**UNITED STATES OF AMERICA**

State of California }  
County of Ventura }

On Feb 26 2014 before me, Lynne Hooper,  
Notary Public, personally appeared

Justin K. MURRAY



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.

WITNESS my hand and official seal.

Signature: *Lynne Hooper*

Place Notary Seal Above

In Witness Whereof I have executed this assignment on 3/5 20 14.  
(Month, Day) (Year)

Jerry Ryan HOLDER  
(Name of Inventor)

[Signature]  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }

County of Ventura }

On march 5, 2014 before me, Lynne Hooper,  
Notary Public, personally appeared

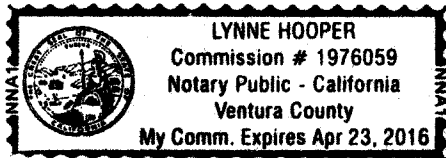
Jerry Ryan HOLDER

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.

WITNESS my hand and official seal.

Signature: Lynne Hooper



Place Notary Seal Above

In Witness Whereof I have executed this assignment on 02, 26 20 14  
(Month, Day) (Year)

Malgorzata WANSKA  
(Name of Inventor)

M. Wanska  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California

County of Ventura }

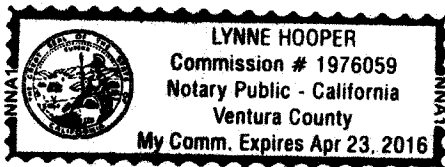
On Feb 26 2014 before me, Lynne Hooper,  
Notary Public, personally appeared

Malgorzata WANSKA

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.

WITNESS my hand and official seal.



Place Notary Seal Above

Signature: Lynne Hooper

In Witness Whereof I have executed this assignment on 2/26 2014.  
(Month, Day) (Year)

Christopher M. TEGLEY

(Name of Inventor)

[Signature]  
(Signature of Inventor)

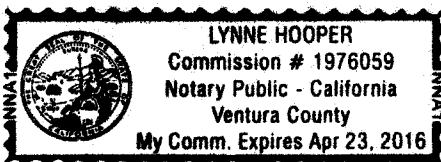
**UNITED STATES OF AMERICA**

State of California

County of Ventura }

On Feb 26, 2014 before me, Lynne Hooper,  
Notary Public, personally appeared

Christopher M. TEGLEY



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.

WITNESS my hand and official seal.

Lynne Hooper

Signature: [Signature] <sup>mt</sup> <sub>LA</sub>

Place Notary Seal Above



In Witness Whereof I have executed this assignment on February 26 2014.  
(Month, Day) (Year)

James R. FALSEY  
(Name of Inventor)

[Signature]  
(Signature of Inventor)

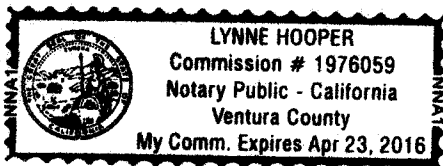
UNITED STATES OF AMERICA

State of California

County of Ventura }

On Feb. 26, 2014 before me, Lynne Hooper,  
Notary Public, personally appeared

James R. FALSEY



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.

WITNESS my hand and official seal.

Signature: Lynne Hooper

Place Notary Seal Above

In Witness Whereof I have executed this assignment on 2/26 2014.  
(Month, Day) (Year)

Elizabeth M. DOHERTY  
(Name of Inventor)

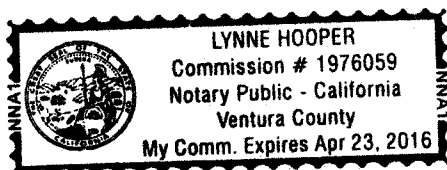
[Signature]  
(Signature of Inventor)

**UNITED STATES OF AMERICA**

State of California }  
County of Ventura

On Feb 26, 2014 before me, Lynne Hooper,  
Notary Public, personally appeared

Elizabeth M. DOHERTY



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.

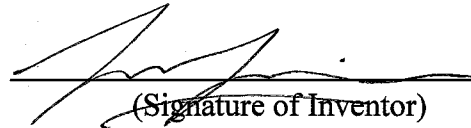
WITNESS my hand and official seal.

Signature: [Signature]

Place Notary Seal Above

In Witness Whereof I have executed this assignment on March 3 2014.  
(Month, Day) (Year)

Leslie P. MIRANDA  
(Name of Inventor)

  
(Signature of Inventor)

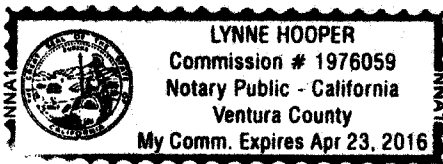
**UNITED STATES OF AMERICA**

State of California

County of Ventura }

On March 3, 2014 before me, Lynne Hooper,  
Notary Public, personally appeared

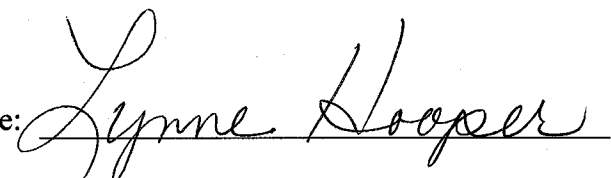
Leslie P. MIRANDA



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.

WITNESS my hand and official seal.

Signature: 

Place Notary Seal Above

In Witness Whereof I have executed this assignment on February 26 2014.  
(Month, Day) (Year)

Kaustav BISWAS  
(Name of Inventor)

*Kaustav Biswas*  
(Signature of Inventor)

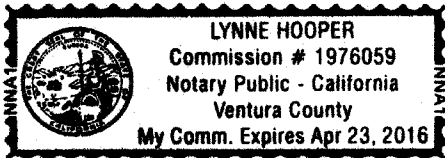
**UNITED STATES OF AMERICA**

State of California

County of Ventura }

On Feb 26, 2014 before me, Lynne Hooper,  
Notary Public, personally appeared

Kaustav BISWAS



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.

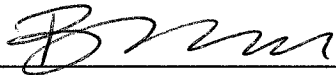
WITNESS my hand and official seal.

Signature: *Lynne Hooper*

Place Notary Seal Above

In Witness Whereof I have executed this assignment on Feb. 27th 2014.  
(Month, Day) (Year)

Bin WU  
(Name of Inventor)

  
(Signature of Inventor)

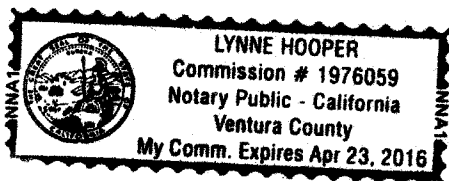
UNITED STATES OF AMERICA

State of California

County of Ventura }

On Feb 27, 2014 before me, Lynne Hooper,  
Notary Public, personally appeared

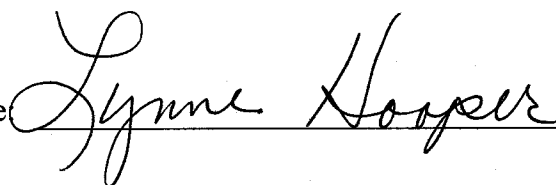
Bin WU



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.

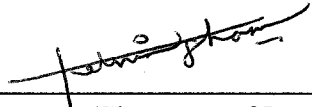
WITNESS my hand and official seal.

Signature 

Place Notary Seal Above

In Witness Whereof I have executed this assignment on 2-26 2014.  
(Month, Day) (Year)

Kelvin SHAM  
(Name of Inventor)

  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }  
County of Ventura

On Feb. 26, 2014 before me, Lynne Hooper,  
Notary Public, personally appeared

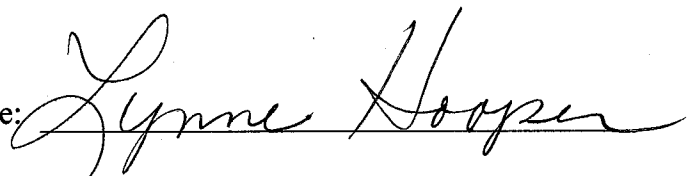
Kelvin SHAM



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.

WITNESS my hand and official seal.

Signature: 

Place Notary Seal Above

In Witness Whereof I have executed this assignment on Feb 26 2014.  
(Month, Day) (Year)

Jason C. LONG  
(Name of Inventor)

(Signature of Inventor)

**UNITED STATES OF AMERICA**

State of California

County of Ventura }

On Feb. 26, 2014 before me, Lynne Hooper,  
Notary Public, personally appeared

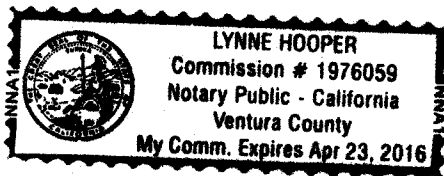
Jason C. LONG

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.

WITNESS my hand and official seal.

Signature: Lynne Hooper



Place Notary Seal Above