

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT5057043

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CEN XU	12/05/2016
AGNES EVA HAMBURGER	12/05/2016
<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>Application Number:</b>	16017891
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	ttorraca@amgen.com
<b>Correspondent Name:</b>	AMGEN INC.
<b>Address Line 1:</b>	ONE AMGEN CENTER DRIVE
<b>Address Line 4:</b>	THOUSAND OAKS, CALIFORNIA 91320-1799
<b>ATTORNEY DOCKET NUMBER:</b>	A-1804-US-CNT4
<b>NAME OF SUBMITTER:</b>	TONYA TORRACA
<b>SIGNATURE:</b>	/Tonya Torraca/
<b>DATE SIGNED:</b>	07/18/2018
<b>Total Attachments: 4</b>	
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source=A-1804-US-PCT_Executed_Assignment#page3.tif	
source=A-1804-US-PCT_Executed_Assignment#page4.tif	

**ASSIGNMENT**

Whereas, I/we, Cen XU, 5221 Via Jacinto, Newbury Park, CA 91320 USA

Agnes Eva HAMBURGER, 3885 Calle Alta Vista, 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

HUMAN PAC1 ANTIBODIES

which is found in:

- US Application Serial No. 14/775,995; which is the US national stage entry of International Application No. PCT/US2014/029128 filed 14 March 2014; which claims the benefit of U.S. Provisional Application No. 61/792,678 filed 15 March 2013.

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 12/05, 2016.  
(Month, Day) (Year)

Cen XU  
\_\_\_\_\_  
(Name of Inventor)

  
\_\_\_\_\_  
(Signature of Inventor)

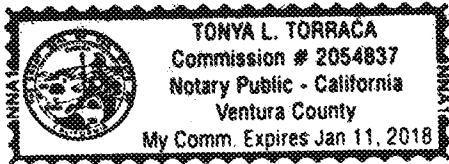
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }  
County of Ventura }

On December 5, 2016 before me, Tonya L. Torraca, Notary Public, personally appeared

\_\_\_\_\_  
Cen Xu

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 12/5, 2016.  
(Month, Day) (Year)

Agnes Eva HAMBURGER  
(Name of Inventor)

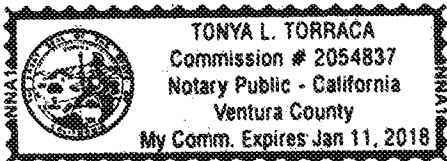
Agnes Eva Hamburger  
(Signature of Inventor)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }  
County of Ventura }

On December 5, 2016 before me, Tonya L. Torraca, Notary Public, personally appeared

Agnes Eva Hamburger



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: Tonya L. Torraca

Place Notary Seal Above