

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hailing Hsu</td> <td>04/23/2010</td> </tr> <tr> <td>Ian Foltz</td> <td>04/09/2010</td> </tr> <tr> <td>Taruna Arora</td> <td>04/08/2010</td> </tr> <tr> <td>Frederick W. Jacobsen</td> <td>04/08/2010</td> </tr> </tbody> </table>		Name	Execution Date	Hailing Hsu	04/23/2010	Ian Foltz	04/09/2010	Taruna Arora	04/08/2010	Frederick W. Jacobsen	04/08/2010
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Hailing Hsu	04/23/2010										
Ian Foltz	04/09/2010										
Taruna Arora	04/08/2010										
Frederick W. Jacobsen	04/08/2010										
<b>RECEIVING PARTY DATA</b>											
Name:	Amgen Inc.										
Street Address:	One Amgen Center Drive										
Internal Address:	Law Department										
City:	Thousand Oaks										
State/Country:	CALIFORNIA										
Postal Code:	91320-1799										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12725031</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12725031						
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<b>CORRESPONDENCE DATA</b>											
Fax Number:	(206)233-0644										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	206-265-7000										
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Correspondent Name:	Nanci M. Kertson										
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Address Line 2:	Law Department										
Address Line 4:	Seattle, WASHINGTON 98119-3105										
ATTORNEY DOCKET NUMBER:	A-1459-US-NP										
NAME OF SUBMITTER:	Nanci M. Kertson										

CH \$40.00 12725031

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**PATENT  
 REEL: 024297 FRAME: 0431**

**Total Attachments: 5**

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ASSIGNMENT

Whereas, we, Hailing HSU, residing at 7264 Litter Court, Moorpark, California 93021, United States Of America;

Ian FOLTZ, 2108 Knightswood Place, Burnaby, BC V5A 4B9, Canada;

Taruna ARORA, 5380 Via Pisa, Thousand Oaks, California 91320, United States of America;

Frederick W. JACOBSEN, 1168 Homestake Place, Newbury Park, California 91320, United States Of America

have made an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled

**ALPHA-4-BETA-7 HETERODIMER SPECIFIC ANTAGONIST ANTIBODY**

which is found in:

- (a) the US Patent Application executed on even date herewith; [which claims the benefit of U.S. Provisional Application No. \_\_\_\_\_ filed \_\_\_\_\_.]
- (b) the US Patent Application executed on \_\_\_\_\_ [which claims the benefit of U.S. Provisional Application No. \_\_\_\_\_ filed \_\_\_\_\_.]
- (c) US Application Serial No.: 12/725,031 filed on March 16, 2010
- (d) US Patent No.: \_\_\_\_\_

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 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, we hereby sell, assign, transfer and set over unto AMGEN INC., its successors and assigns (collectively "AMGEN ") our 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, and/or continuation-in-part 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 AMGEN for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

Further, we hereby sell, assign, transfer, and set over unto AMGEN our 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 us or at our direction or deposited on our behalf by AMGEN, its affiliates, employees or employees of its affiliates. The transfer of such right, title and interest includes, without limitation, our unreserved and irrevocable consent and authorization to AMGEN to refer to the deposited microorganisms(s) or other biological materials(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.

We authorize and request the Commissioner of Patents and Trademarks of the United States to issue any such Letters Patent which may be granted on the Application to AMGEN as assignee of the entire right, title and interest therein and thereto.

For ourselves and for our legal representatives, we covenant and agree with AMGEN that we have not granted to any others any license to make, use or sell any of such inventions, that our right, title and interest in such inventions has not been encumbered, that we have good right and title to sell and assign the same, and that we will not execute any instrument in conflict herewith.

For ourselves and for our heirs, successors and legal representatives, we further covenant and agree with AMGEN that upon request we and they will: (i) execute continuing, divisional, or reissue applications, amended specifications, or rightful declarations or oaths; (ii) communicate to AMGEN any facts known to us or them 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 AMGEN, may be necessary or desirable to secure the grant of Letters Patent to AMGEN or its nominees, in the United States and in all other countries where AMGEN 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 AMGEN and to vest and confirm in AMGEN or its nominees the full and complete legal and equitable title to all such Letters Patent, without further consideration than that now paid but at the expense of AMGEN.

In Witness Whereof I have executed this assignment on the 23 day of April 2010

Hailing HSU  
(Name of Inventor)

Hailing Hsu  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }  
County of Ventura } ss:

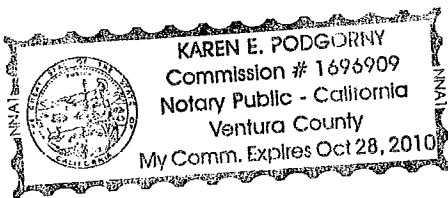
April 23, 2010

Before me, a Notary Public for Ventura County, State of California, personally appeared Hailing Hsu

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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.



Karen E. Podgorny  
Notary Public  
My commission expires  
October 28 2010

In Witness Whereof I have executed this assignment on the 9 day of April 20 10

Ian Foltz  
(Name of Inventor)

*Ian Foltz*  
(Signature of Inventor)

CANADA

Province Of }  
British Columbia } ss:

April 9 20 10

Before me, a Notary Public for the Province of British Columbia, personally appeared Ian Foltz

personally known to me - OR -  proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

*[Signature]*  
Notary Public  
My commission expires  
**Permanent Commission**  
JUSTIN HAN 20  
Notary Public  
140-3355 North Rd, Burnaby BC V3J 7T9  
604-444-4566

In Witness Whereof I have executed this assignment on the 8th day of April 2010

Taruna ARORA  
(Name of Inventor)

Taruna Arora  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }  
County of Ventura } ss:

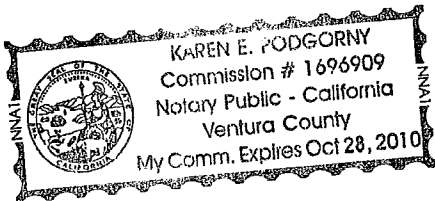
April 8, 2010

Before me, a Notary Public for Ventura County, State of California, personally appeared Taruna Arora

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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.



Karen E. Podgorny  
Notary Public  
My commission expires October 28 2010

In Witness Whereof I have executed this assignment on the 8<sup>th</sup> day of April 2010

Frederick W. JACOBSEN  
(Name of Inventor)

Frederick W. Jacobsen  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }  
County of Ventura } ss:

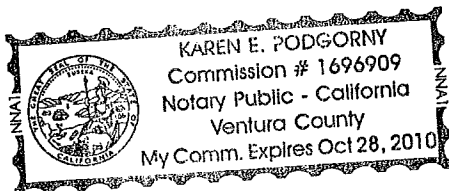
April 8, 2010

Before me, a Notary Public for Ventura County, State of California, personally appeared Frederick W. Jacobsen

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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.



Karen E. Podgorny  
Notary Public  
My commission expires October 28 2010