

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Barbra Sasu	03/17/2008
Mitsuru Haniu	03/17/2008
Thomas Charles Boone	03/17/2008
Xiao-Juan Bi	03/17/2008
Ki Jeong Lee	03/17/2008
Tara Arvedson	03/17/2008
Aaron Winters	03/17/2008
Keegan Cooke	03/17/2008
Zeqi Sheng	03/17/2008

RECEIVING PARTY DATA

Name:	Amgen Inc.
Street Address:	One Amgen Center Drive
Internal Address:	Patent Operations MS 28-2-C
City:	Thousand Oaks
State/Country:	CALIFORNIA
Postal Code:	91320-1799

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12022515

CORRESPONDENCE DATA

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PATENT

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CH \$40.00 12022515

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Address Line 4:	Chicago, ILLINOIS 60606-6357

ATTORNEY DOCKET NUMBER:	A-1156-US-NP
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NAME OF SUBMITTER:	Christine Vu
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**Total Attachments: 11**

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ASSIGNMENT

Whereas, we, Barbra Sasu, 30831 Marseille Way, Westlake Village, California 91362 USA

Mitsuru Haniu, 244 W. Avenue De Las Flores, Thousand Oaks, California 91360 USA

Thomas Charles Boone, 2715 Kelly Knoll Lane, Newbury Park, California 91320 USA

Xiao-Juan Bi, 2264 Hollowpark Court, Thousand Oaks, California 91362 USA

Ki Jeong Lee, 3127 E. Hillcrest Drive, Westlake Village, California 91362 USA

Tara Arvedson, 764 Cranmont Court, Simi Valley, California 93065 USA

Aaron Winters, 2501 Pierpont Boulevard, Ventura, California 93001 USA

Keegan Cooke, 85 Parkhill Circle, Ventura, California 93003 USA

Zeqi Sheng, 2324 Solway Court, Thousand Oaks, California 91362 USA

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

HEPCIDIN, HEPCIDIN ANTAGONISTS AND METHODS OF USE

which is found in:

- ☐ (a) the US Provisional Application No. \_\_\_\_\_ filed \_\_\_\_\_.
- ☐ (b) the US Patent Application executed on even date herewith; which claims the benefit of US Provisional Application No. \_\_\_\_\_ filed \_\_\_\_\_.
- ☐ (c) the US Patent Application executed on \_\_\_\_\_ [which claims the benefit of US Provisional Application No. \_\_\_\_\_ filed \_\_\_\_\_.]
- ☒ (d) US Application Serial No.: 12/022,515 filed on January 30, 2008 which claims the benefit of US Provisional Application No. 61/015,138 filed December 19, 2007 and US Provisional Application No. 60/888,059 filed February 2, 2007.
- ☐ (e) 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 litigations; (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 17 day of MARCH 2008

Barbra Sasu  
(Name of Inventor)

BJS  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }  
County of Ventura } ss:

On March 17, 2008

before me, Christine Vu a Notary Public for Ventura County, State of California,

personally appeared Barbra Sasu  
Name of Signer

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.

Signature

Christine Vu  
Signature of Notary Public

My commission expires

November 11 2010



In Witness Whereof I have executed this assignment on the 17 day of March 20 08

Mitsuru Haniu  
(Name of Inventor)

*Mitsuru Haniu*  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }  
County of Ventura } ss:

On March 17 20 08

before me, Christine Vu a Notary Public for Ventura County, State of California,

personally appeared

Mitsuru Haniu  
Name of Signer

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

*Christine Vu*  
Signature of Notary Public

My commission expires

November 11 20 10



In Witness Whereof I have executed this assignment on the 17 day of March 20 08

Thomas Charles Boone  
(Name of Inventor)

Thomas Charles Boone  
(Signature of Inventor)

UNITED STATES OF AMERICA

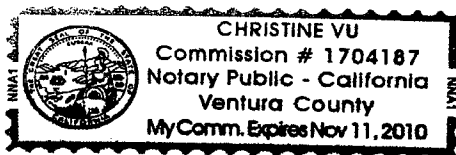
State of California }  
County of Ventura } ss:

On March 17, 20 08

before me, Christine Vu a Notary Public for Ventura County, State of California,

personally appeared Thomas Charles Boone  
Name of Signer

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

Christine Vu

Signature of Notary Public

My commission expires

November 11 20 10

In Witness Whereof I have executed this assignment on the 17 day of March 20 08

Xiao-Juan Bi  
(Name of Inventor)

Xiao-Juan Bi  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }  
County of Ventura } ss:

On March 17, 20 08

before me, Christine Vu a Notary Public for Ventura County, State of California,

personally appeared Xiao-Juan Bi  
Name of Signer

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 Christine Vu  
Signature of Notary Public

My commission expires

November 11 20 10



In Witness Whereof I have executed this assignment on the 17 day of March 2008

Ki Jeong Lee  
(Name of Inventor)

Ki Jeong Lee  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }  
County of Ventura } ss:

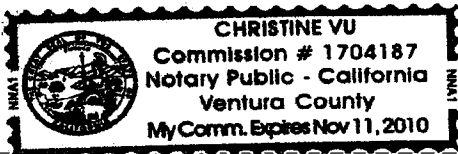
On March 17, 2008

before me, Christine Vu a Notary Public for Ventura County, State of California,

personally appeared

Ki Jeong Lee  
Name of Signer

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

Christine Vu  
Signature of Notary Public

My commission expires

November 11 2010

In Witness Whereof I have executed this assignment on the 17 day of March 20 08

Tara Arvedson  
(Name of Inventor)

T Arvedson  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }  
County of Ventura } ss:

On March 17 20 08

before me, Christine Vu a Notary Public for Ventura County, State of California,

personally appeared Tara Arvedson  
Name of Signer

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 Christine Vu  
Signature of Notary Public

My commission expires

November 11 20 10

In Witness Whereof I have executed this assignment on the 17 day of MARCH 20 08

Aaron Winters  
(Name of Inventor)

[Signature]  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }  
County of Ventura } ss:

On March 17 20 08

before me, Christine Vu a Notary Public for Ventura County, State of California,

personally appeared Aaron Winters  
Name of Signer

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]  
Signature of Notary Public

My commission expires

November 11 20 10

In Witness Whereof I have executed this assignment on the 17<sup>th</sup> day of March 2008

Keegan Cooke  
(Name of Inventor)

[Signature]  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }  
County of Ventura } ss:

On March 17 2008

before me, Christine Vu a Notary Public for Ventura County, State of California,

personally appeared

Keegan Cooke  
Name of Signer

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]  
Signature of Notary Public

My commission expires

November 11 2010

In Witness Whereof I have executed this assignment on the 17 day of March 20 08

Zeqi Sheng  
(Name of Inventor)

Zeqi Sheng  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }  
County of Ventura } ss:

On March 17 20 08

before me, Christine Vu a Notary Public for Ventura County, State of California,

personally appeared

Zeqi Sheng  
Name of Signer

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

Christine Vu  
Signature of Notary Public

My commission expires

November 11 20 10