## PATENT ASSIGNMENT

Electronic Version v1.1  
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### CONVEYING PARTY DATA

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<th>Execution Date</th>
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<td>David Bauer</td>
<td>02/12/2007</td>
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<tr>
<td>Deborah Choquette</td>
<td>02/15/2007</td>
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<tr>
<td>Lucian V. DiPietro</td>
<td>03/22/2007</td>
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<tr>
<td>Russell Graceffa</td>
<td>02/12/2007</td>
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<tr>
<td>Jean-Christophe Harmange</td>
<td>02/15/2007</td>
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<tr>
<td>Qi Huang</td>
<td>02/07/2007</td>
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<tr>
<td>Joseph L. Kim</td>
<td>02/15/2007</td>
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<td>Daniel La</td>
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<td>Aiwen Li</td>
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<td>Nobuko Nishimura</td>
<td>02/13/2007</td>
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<tr>
<td>Rana Nomak</td>
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<td>Vinod Patel</td>
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<td>Michele Potashman</td>
<td>02/15/2007</td>
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<td>Babak Riahi</td>
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<td>Thomas Storz</td>
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<td>Simon Van Der Plas</td>
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<td>Kevin Yang</td>
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<td>Chester C. Yuan</td>
<td>02/13/2007</td>
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<td>Julie Germain</td>
<td>02/24/2007</td>
</tr>
<tr>
<td>Benny C. Askew, Jr.</td>
<td>02/16/2007</td>
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### RECEIVING PARTY DATA

<table>
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<tr>
<th>Name:</th>
<th>Amgen Inc.</th>
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<tbody>
<tr>
<td>Street Address:</td>
<td>One Amgen Center Drive</td>
</tr>
<tr>
<td>Internal Address:</td>
<td>Patent Operations MS 26-2-C</td>
</tr>
<tr>
<td>City:</td>
<td>Thousand Oaks</td>
</tr>
<tr>
<td>State/Country:</td>
<td>CALIFORNIA</td>
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<td>Postal Code:</td>
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<td>Application Number:</td>
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**CORRESPONDENCE DATA**

Fax Number: (805)499-8011  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: 805-447-7926  
Email: podgorny@amgen.com  
Correspondent Name: Joseph W. Bulock  
Address Line 1: One Amgen Center Drive  
Address Line 2: Patent Operations MS 28-2-C  
Address Line 4: Thousand Oaks, CALIFORNIA 91320

**ATTORNEY DOCKET NUMBER:** A-1052-US-NP

**NAME OF SUBMITTER:** Karen Podgorny

Total Attachments: 182

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ASSIGNMENT

Whereas, we, Julie GERMAIN, 47 Bower Street, Medford, MA 02155, US
Benny C. ASKEW, JR., 266 Arrowhead Road, Marshfield, MA 02050, US
David BAUER, 627 Concord Road, Sudbury, MA 01776, US
Deborah CHOQUETTE, 17 Blakely Road, Medford, MA 02155, US
Lucian V. DIPIETRO, 37 Centennial Avenue, Gloucester, MA 01930, US
Russell GRACEFFA, 2 Wingate Street, Hampton, NH 03824, US
Jean-Christophe HARMANGE, 57 William Street, Andover MA 01810, US
Qi HUANG, 12308 Willow Forest Drive, Moorpark CA 93021, US
Daniel LA, 124 Park Street, #3, Brookline, MA 02446, US
Aiwen LI, 660 Via Colinas, Westlake Village, CA 91362, US
Nobuko NISHIMURA, 24050 Arminta Street, West Hills, CA 91304, US
Rana NOMACK, Bogazici University, Ucaksavar Loj. B Blok DA:20, Etikler Istanbul 34342, TR
Vinod PATEL, 3 Mossy Lane, Acton, MA, 01720, US
Michele POTASHMAN, 213 Harvard Street, Apt. 2R, Cambridge, MA, 02139, US
Babak RIAHI, 6141 Kenwater Avenue, Woodland Hills, CA 91367, US
Thomas STORZ, 1724 Blue Canyon Street, Thousand Oaks, CA 91320, US
Simon VAN DER PLAS, 21 Shaughnessy Cres, Kanata, Ontario K2K 2P2, CA
Kevin YANG, 8871 Camino Real Avenue, San Gabriel, CA 91775, US
Chester C. YUAN, 1416 Geyser Court, Newbury Park, CA 91320, US

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

COMPOUNDS AND METHODS OF USE

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.: 11/584,151 filed on October 20, 2006
which claims the benefit of U.S. Provisional Application No. 60/729,057 filed October 21, 2005.

☐ (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 _______day of ________________ 20____

Julie GERMAIN
(Name of Inventor)

________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of __________________________
County of __________________________

Before me, a Notary Public for [ _____County], [State of _____], personally appeared __________________________

☐ 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.

________________________________________________________________________
Notary Public

My commission expires

________________________________________________________________________ 20____
In Witness Whereof I have executed this assignment on the ______ day of __________ 20____

__________________________
Benny C. ASKEW, JR.  
(Name of Inventor)  
__________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of

\{ \)
ss:

________________________________________

20____

Before me, a Notary Public for [_____County], [State of _____], personally appeared ____________________

☐ 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.

________________________________________

Notary Public

My commission expires

________________________________________

20____
In Witness Whereof I have executed this assignment on the 12 day of FEBRUARY 07

David BAUER
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of Massachusetts ss:
County of Middlesex

Feb 12 2007

Before me, a Notary Public for Middlesex County, Massachusetts, personally appeared

DAVID BAUER

☑ 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.

David R. Boyle
Notary Public

My commission expires

July 24 2009
In Witness Whereof I have executed this assignment on the 15 day of February 2007

Deborah CHOQUETTE
(Name of Inventor)

Deborah Choquette
(Signature of Inventor)

UNITED STATES OF AMERICA

State of MASSACHUSETTS
County of Middlesex

FEB 15 2007

Before me, a Notary Public for Middlesex, Massachusetts, personally appeared

Deborah Choquette

☑ 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.

David R Boyce
Notary Public

My commission expires July 24, 2009
In Witness Whereof I have executed this assignment on the _____ day of ____________ 20__

Lucian V. DIPIETRO
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of

ss:

Before me, a Notary Public for [County], [State of ___], personally appeared ________________________

☐ 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.

______________________________
Notary Public

My commission expires

______________________________ 20__
In Witness Whereof I have executed this assignment on the 12th day of Feb 2007

Russell GRACEFFA  
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of Massachusetts  
County of Middlesex  

[Signature of Notary Public]

Before me, a Notary Public for Middlesex County, Massachusetts, personally appeared

Russell GRACEFFA

[Signature of Inventor]

☑ 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.

David R. Boyle  
Notary Public

My commission expires  
July 24, 2009
In Witness Whereof I have executed this assignment on the 15 day of February 2009

Jean-Christophe HARMANGE
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of Massachusetts ss:

County of Middlesex

FEB 15 2009

Before me, a Notary Public for Middlesex County, Massachusetts, personally appeared

Jean-Christophe HARMANGE

proven 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.

David R. Boyle
Notary Public

My commission expires

July 24 2009

Docket No: A-1052-US-NP
In Witness Whereof I have executed this assignment on the __________ day of ______________ 20 __________

Qi HUANG
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of 
County of } ss: 20 __________

Before me, a Notary Public for [____County], [State of ____], personally appeared ______________

☐ 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.

________________________
Notary Public

My commission expires ______________ 20 __________
In Witness Whereof I have executed this assignment on the 15 day of February 2007

__________________________
Joseph L. KIM
(Name of Inventor)

__________________________
Joseph L. KIM
(Signature of Inventor)

UNITED STATES OF AMERICA

State of Massachusetts
County of Middlesex } ss:

__________________________
FEB 15 2007

Before me, a Notary Public for Middlesex County, Massachusetts, personally appeared

__________________________
Joseph L. Kim

☐ 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.

__________________________
David R. Boyle
Notary Public

My commission expires

__________________________
July 24 2009

[Notary Public Seal]
In Witness Whereof I have executed this assignment on the 15 day of Feb. 20 07

Daniel LA  
(Name of Inventor)  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of Massachusetts 

County of Middlesex } ss:

Feb 15 2007

Before me, a Notary Public for Middlesex County, [State of Massachusetts], personally appeared ________________

Daniel LA

[ ] 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.

David R. Boyle
Notary Public

My commission expires

July 24 2009

DAVID R. BOYLE  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires Jul 24, 2009
In Witness Whereof I have executed this assignment on the ______ day of _______20____

__________________________________________
Aiwen LI
(Name of Inventor) ____________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of ____________________________ ss:
County of ____________________________

__________________________________________

Before me, a Notary Public for [____County], [State of____], personally appeared ____________________________

☐ 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.

__________________________________________
Notary Public

My commission expires

__________________________________________

20____
In Witness Whereof I have executed this assignment on the ______ day of ___________ 20____

_________________________________________ _______________________________ (Signature of Inventor)
Nobuko NISHIMURA (Name of Inventor)

UNITED STATES OF AMERICA

State of ________________ ss:
County of ________

________________________ 20____

Before me, a Notary Public for [____County], [State of _____], personally appeared _______________________

☐ 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.

________________________________________
Notary Public

My commission expires ___________________________ 20____
In Witness Whereof I have executed this assignment on the __________ day of ___________ 20__

Rana NOMACK
(Name of Inventor)  __________________________

(Signature of Inventor)

UNITED STATES OF AMERICA

State of ____________________________
County of ______________

ss: ____________________________ 20__

Before me, a Notary Public for [______ County], [State of ______], personally appeared __________________________

☐ 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.

_______________________________
Notary Public

My commission expires

_______________________________ 20__
In Witness Whereof I have executed this assignment on the 9th day of Feb 2007

Vinod PATEL  
(Name of Inventor)

Curtis  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of Massachusetts  
County of Middlesex

FEB 9 2007  

Before me, a Notary Public for the County of Middlesex, personally appeared

Vinod Patel

☐ 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.

David R. Boyle  
Notary Public

My commission expires July 24 2009
In Witness Whereof I have executed this assignment on the 15 day of February 2007.

Michele POTASHMAN
(Name of Inventor)  

Michele POTASHMAN
(Signature of Inventor)

UNITED STATES OF AMERICA

State of Massachusetts
County of Middlesex

FEB 15 2007

Before me, a Notary Public for Middlesex County, Massachusetts, personally appeared

Michele POTASHMAN

X 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.

David R. Boyle
Notary Public

My commission expires July 24 2009

DANIEL R. BOYLE
Notary Public
Commonwealth of Massachusetts
My Commission Expires Jul 24, 2009
In Witness Whereof I have executed this assignment on the ____________ day of ________________ 20__

Babak RIAHI
(Name of Inventor) ____________________________ 

(Signature of Inventor) ____________________________

UNITED STATES OF AMERICA

State of ______________________________________
County of ______________________________________

__________________________ ss: ____________________________ 20__

Before me, a Notary Public for [_____County], [State of _____], personally appeared ____________________________

☐ 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.

__________________________________________________________
Notary Public

My commission expires ____________________________ 20__
In Witness Whereof I have executed this assignment on the _____ day of ___________ 20__

Thomas STORZ
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of }
ss: ____________ 20__

Before me, a Notary Public for [_____County], [State of _____], personally appeared ______________

☐ 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.

Notary Public

My commission expires ____________ 20__
In Witness Whereof I have executed this assignment on the _____ day of _____________ 20____

Simon VAN DER PLAS
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____
County of _____

) ss:

__________ 20____

Before me, a Notary Public for [_____ County], [State of _____], personally appeared ______________________

☐ 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.

_______________
Notary Public

My commission expires

_______________ 20____
In Witness Whereof I have executed this assignment on the ______ day of _____________ 20____

Kevin YANG
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _____________ } ss:
County of _____________ 20____

Before me, a Notary Public for [__________County], [State of ______], personally appeared _____________

☐ 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.

__________________________________________
Notary Public

My commission expires _____________________________ 20____
In Witness Whereof I have executed this assignment on the ______ day of ___________ 20__

Chester C. YUAN
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of }
County of } ss:

______ 20__

Before me, a Notary Public for [_____County], [State of _____], personally appeared _______________________

☐ 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.

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Notary Public

My commission expires ________________________ 20__
ASSIGNMENT

Whereas, we, Julie GERMAIN, 47 Bower Street, Medford, MA 02155, US
Benny C. ASKEW, JR., 266 Arrowhead Road, Marshfield, MA 02050, US
David BAUER, 627 Concord Road, Sudbury, MA 01776, US
Deborah CHOQUETTE, 17 Blakely Road, Medford, MA 02155, US
Lucian V. DIPIETRO, 37 Centennial Avenue, Gloucester, MA 01930, US
Russell GRACEFFA, 2 Wingate Street, Hampton, NH 03842, US
Jean-Christophe HARMANGE, 57 William Street, Andover MA 01810, US
Qi HUANG, 12308 Willow Forest Drive, Moorpark CA 93021, US
Daniel LA, 124 Park Street, #3, Brookline, MA 02446, US
Aiwen LI, 660 Via Colinas, Westlake Village, CA 91362, US
Nobuko NISHIMURA, 24050 Arminta Street, West Hills, CA 91304, US
Rana NOMACK, Bogazici University, Ucaksavar Loj. B Blok DA:20, Etiler Istanbul 34342, TR

Vindu PATEL, 3 Mossy Lane, Acton, MA, 01720, US
Michele POTASHMAN, 213 Harvard Street, Apt. 2R, Cambridge, MA, 02139, US
Babak RIAHI, 6141 Kenwater Avenue, Woodland Hills, CA 91367, US
Thomas STORZ, 1724 Blue Canyon Street, Thousand Oaks, CA 91320, US
Simon VAN DER PLAS, 21 Shaughnessy Cres, Kanata, Ontario K2K 2P2, CA
Kevin YANG, 8871 Camino Real Avenue, San Gabriel, CA 91775, US
Chester C. YUAN, 1416 Geyser Court, Newbury Park, CA 91320, US

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

COMPOUNDS AND METHODS OF USE

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.: 11/584,151 filed on October 20, 2006
which claims the benefit of U.S. Provisional Application No. 60/729,057 filed October 21, 2005.

☐ (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 ______ day of _______ 20____

Julie GERMAIN ____________________________ ____________________________
(Name of Inventor) (Signature of Inventor)

UNITED STATES OF AMERICA

State of 
County of } ss: __________ 20____

Before me, a Notary Public for [ ______County], [State of ______], personally appeared __________

☐ 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.

__________________________________________
Notary Public

My commission expires __________ 20____
In Witness Whereof I have executed this assignment on the _______ day of ______________ 20__

Benny C. ASKEW, JR. ____________________________
(Name of Inventor) ____________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of _______, ss:

County of _______, ss:

_____________________________________________

Before me, a Notary Public for [____ County], [State of ______], personally appeared ________________________

☐ 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.

_____________________________________________
Notary Public

My commission expires ____________________________

_____________________________________________

4

PATENT
REEL: 019112 FRAME: 0737
In Witness Whereof I have executed this assignment on the ___ day of ___ 20__

David BAUER
(Name of Inventor) ____________________

(Signature of Inventor) ____________________

UNITED STATES OF AMERICA

State of ___
County of ___

___ ss: ___

20__

Before me, a Notary Public for [___County], [State of ___], personally appeared __________

☐ 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.

Notary Public

My commission expires ___

20__
In Witness Whereof I have executed this assignment on the _______ day of ________ 20__

Deborah CHOQUETTE
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of ________
County of ________

} ss:

________________________ 20__

Before me, a Notary Public for [______ County], [State of ________], personally appeared ____________________

☐ 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.

________________________
Notary Public

My commission expires ___________________________ 20__
In Witness Whereof I have executed this assignment on the 23rd day of March 2007

Lucian V. DiPIETRO
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of

County ss:

23rd day of March 2007

Before me, a Notary Public for [____ County], [State of MA], personally appeared ____________

☐ 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.

Notary Public

My commission expires

HOURI ARTINIAN
Notary Public
Commonwealth of Massachusetts
My Commission Expires
JUNE 2, 2011
In Witness Whereof I have executed this assignment on the _____ day of ___________ 20____

Russell GRACEFFA
(Name of Inventor) ________________________________

(Signature of Inventor) ____________________________

UNITED STATES OF AMERICA

State of _____
County of _____

} ss: ____________________________ 20____

Before me, a Notary Public for [____County], [State of _____], personally appeared ________________

☐ 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.

__________________________
Notary Public

My commission expires ____________________________ 20____
In Witness Whereof I have executed this assignment on the ______ day of ___________ 20__

Jean-Christophe HARMANGE
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA

State of ____________________________

County of ____________________________ ss:

____________________ 20__

Before me, a Notary Public for [______County], [State of ______], personally appeared ________________________________

☐ 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.

_________________________________

Notary Public

My commission expires ________________________ 20__
In Witness Whereof I have executed this assignment on the ______ day of ________ 20___

Qi HUANG
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of ________ ss:

________ 20___

Before me, a Notary Public for [______County], [State of ______], personally appeared ________________

☐ 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.

______________________________
Notary Public

My commission expires ________________ 20___
In Witness Whereof I have executed this assignment on the ______ day of ___________ 20____

Joseph L. KIM
(Name of Inventor) ____________________

(Signature of Inventor) ____________________

UNITED STATES OF AMERICA

State of ______ ss:

County of ______ ss: 20____

Before me, a Notary Public for [____ County], [State of ______], personally appeared __________________________

☐ 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.

________________________________________
Notary Public

My commission expires __________________________ 20____
In Witness Whereof I have executed this assignment on the ______ day of ___________ 20____

______________________________
Daniel LA
(Name of Inventor) ________________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of ___________
County of ___________
\{ss:\} ______

____________________________________

Before me, a Notary Public for [____ County], [State of____], personally appeared ________________

☐ 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.

______________________________
Notary Public

My commission expires ________________________

20____
In Witness Whereof I have executed this assignment on the _______ day of ___________ 20____

__________________________
Aiwen LI
(Name of Inventor)

__________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of ____________


County of ____________

\{ ss: ____________ 20____

Before me, a Notary Public for [______County], [State of ______], personally appeared __________________________

☐ 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.

__________________________
Notary Public

My commission expires ____________________________ 20____
In Witness Whereof I have executed this assignment on the _____ day of _________ 20__

Nobuko NISHIMURA  
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of  
County of  
\{ ss:  

_______ 20__

Before me, a Notary Public for [______ County], [State of ______], personally appeared ____________

☐ 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.

Notary Public

My commission expires

_______ 20__
In Witness Whereof I have executed this assignment on the ______ day of ______ 20____

Rana NOMACK
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA

State of } ss:
County of

20____

Before me, a Notary Public for [_____County], [State of _____], personally appeared ____________

☐ 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.

____________________________
Notary Public

My commission expires

____________________________  20____
In Witness Whereof I have executed this assignment on the ______ day of ____________ 20__

Vinod PATEL
(Name of Inventor)  ______________________

(Signature of Inventor)

UNITED STATES OF AMERICA

State of 
County of } ss: ____________ 20__

Before me, a Notary Public for [County], [State of ___], personally appeared _____________________.

☐ 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.

________________________________________
Notary Public

My commission expires ____________ 20__
In Witness Whereof I have executed this assignment on the _____ day of ________ 20____

Michele POTASHMAN
(Name of Inventor) (Signature of Inventor)

UNITED STATES OF AMERICA

State of } ss: 20____
County of

Before me, a Notary Public for [_____ County], [State of _____], personally appeared __________

☐ 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.

________________________
Notary Public

My commission expires __________________________ 20____
In Witness Whereof I have executed this assignment on the _____ day of __________ 20____

Babak RIAHI
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of ________
County of_____

ss:

__________________________

20________

Before me, a Notary Public for [_____ County], [State of _____], personally appeared ______________________

☐ 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.

__________________________
Notary Public

My commission expires

__________________________

20________
In Witness Whereof I have executed this assignment on the _____ day of ____________ 20__

Thomas STORZ
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of _____

} ss:

20__

Before me, a Notary Public for [____County], [State of ____], personally appeared ________________

☐ 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.

Notary Public

My commission expires ________________ 20__
In Witness Whereof I have executed this assignment on the ______ day of ____________ 20__

Simon VAN DER PLAS
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of ____________
County of ______

ss: ____________ 20__

Before me, a Notary Public for [________County], [State of ______], personally appeared ____________

☐ 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.

________________________
Notary Public

My commission expires ____________ 20__
In Witness Whereof I have executed this assignment on the _____ day of __________ 20____

Kevin YANG
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of __________
County of __________

}  ss:

_____ 20____

Before me, a Notary Public for [_____County], [State of _____], personally appeared ______________________________________

☐ 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.

________________________
Notary Public

My commission expires

________________________ 20____
In Witness Whereof I have executed this assignment on the _____ day of _______________ 20___

Chester C. YUAN
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of County of ____________

} ss:

__________ 20___

Before me, a Notary Public for [_____ County], [State of _____], personally appeared ____________________

☐ 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.

____________

Notary Public

My commission expires _______________ 20___
ASSIGNMENT

Whereas, we,  Julie GERMAIN, 47 Bower Street, Medford, MA 02155, US
Benny C. ASKEW, JR., 266 Arrowhead Road, Marshfield, MA 02050, US
David BAUER, 627 Concord Road, Sudbury, MA 01776, US
Deborah CHOQUETTE, 17 Blakely Road, Medford, MA 02155, US
Lucian V. DIPIETRO, 37 Centennial Avenue, Gloucester, MA 01930, US
Russell GRACEFFA, 2 Wingate Street, Hampton, NH 03842, US
Jean-Christophe HARMANGE, 57 William Street, Andover MA 01810, US
Qi HUANG, 12308 Willow Forest Drive, Moorpark CA 93021, US
Daniel LA, 124 Park Street, #3, Brookline, MA 02446, US
Aiwen LI, 660 Via Colinas, Westlake Village, CA 91362, US
Nobuko NISHIMURA, 24050 Arminta Street, West Hills, CA 91304, US
Rana NOMACK, Bogazici University, Ucaksavar Loj. B Blok DA:20, Etiler Istanbul 34342, TR
Vinod PATEL, 3 Mossy Lane, Acton, MA, 01720, US
Michele POTASHMAN, 213 Harvard Street, Apt. 2R, Cambridge, MA, 02139, US
Babak RIAHI, 6141 Kenwater Avenue, Woodland Hills, CA 91367, US
Thomas STORZ, 1724 Blue Canyon Street, Thousand Oaks, CA 91320, US
Simon VAN DER PLAS, 21 Shaughnessy Cres, Kanata, Ontario K2K 2P2, CA
Kevin YANG, 8871 Camino Real Avenue, San Gabriël, CA 91775, US
Chester C. YUAN, 1416 Geyser Court, Newbury Park, CA 91320, US

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

COMPOUNDS AND METHODS OF USE

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.: 11/584,151 filed on October 20, 2006 which claims the benefit of U.S. Provisional Application No. 60/729,057 filed October 21, 2005.

☐ (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 refusal 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 _____ day of ___________ 20__

Julie GERMAIN  
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA

State of  
County of } ss:  

20__

Before me, a Notary Public for [ ______County], [State of ______], personally appeared ____________________

☐ 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.

____________________________
Notary Public

My commission expires

____________________________ 20__
In Witness Whereof I have executed this assignment on the 16th day of Feb 2007

Benny C. ASKEW, JR. (Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of 
County of 

______ ss:

______ 20__

Before me, a Notary Public for [______County], [State of ____], personally appeared ____________

☐ 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.

________________________
Notary Public

My commission expires

______ Jan. 23 _____ 2009

DIANE CUDDEN
Notary Public
Commonwealth of Massachusetts
My Commission Expires Jan 23, 2009
In Witness Whereof I have executed this assignment on the ______ day of _______ 20____

David BAUER  
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA

State of } ss:
County of ______ 20____

Before me, a Notary Public for [____County], [State of ______], personally appeared _________

☐ 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.

Notary Public

My commission expires _________ 20____
In Witness Whereof I have executed this assignment on the _____ day of ___________ 20__

Deborah CHOQUETTE
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA

State of } ss:

Count of _________ 20__

Before me, a Notary Public for [____County], [State of _____], personally appeared _______________________

☐ 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.

___________________________________
Notary Public

My commission expires _______________________

___________________________________ 20__

6
In Witness Whereof I have executed this assignment on the _____ day of ___________ 20 ___

Lucian V. DIPIETRO
(Name of inventor) ______________________________________________________________________

(Signature of Inventor) ___________________________________________________________________

UNITED STATES OF AMERICA

State of ____________________________________________________________________________

County of { } ss: ______________________________________________________________________

_________________________ 20 ____

Before me, a Notary Public for [____ County], [State of _____], personally appeared _____________

☐ 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.

__________________________________________________________________________________

Notary Public

My commission expires __________________________________________________________________

_________________________ 20 ____
In Witness Whereof I have executed this assignment on the _____ day of ___________ 20___

Russell GRACEFFA
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of ____________ ss:

________________________________________ 20___

Before me, a Notary Public for [_____County], [State of _____], personally appeared ____________

☐ 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.

______________________________
Notary Public

My commission expires

________________________________________ 20___

8
In Witness Whereof I have executed this assignment on the ______day of ________ 20____

Jean-Christophe HARMANGE (Name of Inventor) ________________________________ (Signature of Inventor)

UNITED STATES OF AMERICA

State of ___ County of ___ ss: __________ 20____

Before me, a Notary Public for [____County], [State of ____], personally appeared __________

☐ 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.

________________________
Notary Public

My commission expires __________ 20____
In Witness Whereof I have executed this assignment on the _____ day of ____________ 20__

Qi HUANG
(Name of Inventor)   

(Signature of Inventor)

UNITED STATES OF AMERICA

State of County of } ss:

_________________________ 20__

Before me, a Notary Public for [County], [State of _____], personally appeared ____________

☐ 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.

_________________________
Notary Public

My commission expires ____________

_________________________ 20__
In Witness Whereof I have executed this assignment on the _____ day of _______ 20__

Joseph L. KIM  
(Name of Inventor)  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of  
County of  
} ss:  

                      20__

Before me, a Notary Public for [____ County], [State of ____], personally appeared ______________________

☐ 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.

______________________________
Notary Public

My commission expires  

______________________________ 20__
In Witness Whereof I have executed this assignment on the ____________ day of ____________ 20___

Daniel LA ________________________________
(Name of Inventor) (Signature of Inventor)

UNITED STATES OF AMERICA

State of ________________________________
County of ________________________________
}{ ss: ____________ 20___

Before me, a Notary Public for [County], [State of _____], personally appeared __________________________

☐ 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.

______________________________
Notary Public

My commission expires ____________ 20___
In Witness Whereof I have executed this assignment on the _____ day of ______________ 20____

Aiwen LI  
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA

State of  
County of  
}\ ss:  

_______ 20____

Before me, a Notary Public for [____County], [State of ____], personally appeared ______________

☐ 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.

Notary Public

My commission expires

_________________________ 20____

13
In Witness Whereof I have executed this assignment on the _______ day of _________ 20____

Nobuko NISHIMURA
(Name of Inventor) 

(Signature of Inventor)

UNITED STATES OF AMERICA

State of _______
County of _______

} ss: _________

______ 20____

Before me, a Notary Public for [______County], [State of _______], personally appeared __________

☐ 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.

Notary Public

My commission expires __________________________

______ 20____

14
In Witness Whereof I have executed this assignment on the _____ day of _______ 20__

Rana NOMACK
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of } ss:
County of 20__

Before me, a Notary Public for [_____County], [State of _____], personally appeared ____________

☐ 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.

__________________________
Notary Public

My commission expires _______ 20__
In Witness Whereof I have executed this assignment on the ______ day of _______ 20____

Vinod PATEL
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of

County of ____________ ss: ________________________ 20____

Before me, a Notary Public for [____County], [State of _____], personally appeared ________________________

□ 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.

______________________________
Notary Public

My commission expires ________________________ 20____
In Witness Whereof I have executed this assignment on the _____ day of ______________ 20__

Michele POTASHMAN
(Name of Inventor) __________________________________________

(Signature of Inventor) __________________________________________

UNITED STATES OF AMERICA

State of ___________, ss: __________________________

County of __________________________, 20__

Before me, a Notary Public for [________County], [State of _____], personally appeared __________________________

☐ 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.

Notary Public

My commission expires __________________________

20__

17
In Witness Whereof I have executed this assignment on the _____ day of _____________ 20_

Babak RIAHI
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA

State of } ss:  

County of  

___________ 20_

Before me, a Notary Public for [_____ County], [State of _____], personally appeared ________________

☐ 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.

__________________________________________________
Notary Public

My commission expires ________ 20_

18
In Witness Whereof I have executed this assignment on the __________ day of __________________ 20__

Thomas STORZ
(Name of Inventor)

__________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of 
County of 
} ss:

__________________________ 20__

Before me, a Notary Public for [____County], [State of ____], personally appeared _________________

☐ 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.

__________________________
Notary Public

My commission expires __________________ 20__
In Witness Whereof I have executed this assignment on the ___ day of ___ 20___

Simon VAN DER PLAS
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA

State of ___ County of ___ } ss:

___ 20___

Before me, a Notary Public for [___ County], [State of ___], personally appeared __________________________

☐ 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.

__________________________
Notary Public

My commission expires _____________________________ 20___
In Witness Whereof I have executed this assignment on the ______ day of ______________ 20____

Kevin YANG
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of _____________ ss: ______________________________ 20____

Before me, a Notary Public for [____County], [State of ____], personally appeared ______________________________

☐ 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.

________________________________________________________________________

Notary Public

My commission expires ______________________________ 20____
In Witness Whereof I have executed this assignment on the _____ day of ____________ 20___

Chester C. YUAN
(Name of Inventor) __________________________________________________________________________

(Signature of Inventor)

UNITED STATES OF AMERICA

State of ______________________________________________________________________________________

County of ______________________________________________________________________________________

} ss: __________________________________________________________________________________________

20___

Before me, a Notary Public for [_____ County], [State of _____], personally appeared ____________________________________________________________________

☐ 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.

____________________________________________________________________________________________

Notary Public

My commission expires __________________________________________________________________________

20___
ASSIGNMENT

Whereas, we, Julie GERMAIN, 47 Bower Street, Medford, MA 02155, US
Benny C. ASKEW, JR., 266 Arrowhead Road, Marshfield, MA 02050, US
David BAUER, 627 Concord Road, Sudbury, MA 017766, US
Deborah CHOQUETTE, 17 Blakely Road, Medford, MA 02155, US
Lucian V. DIPETRO, 37 Centennial Avenue, Gloucester, MA 01930, US
Russell GRACEFFA, 2 Wingate Street, Hampton, NH 03842, US
Jean-Christophe HARMANGE, 57 William Street, Andover MA 01810, US
Qi HUANG, 12308 Willow Forest Drive, Moorpark CA 93021, US
Daniel LA, 124 Park Street, #3, Brookline, MA 02446, US
Aiwen LI, 660 Via Colinas, Westlake Village, CA 91362, US
Nobuko NISHIMURA, 24050 Arminta Street, West Hills, CA 91304, US
Rana NOMACK, Bogazici University, Ucaksavar Loj. B Blok DA:20, Etiler Istanbul 34342, TR
Vinod PATEL, 3 Mossy Lane, Acton, MA, 01720, US
Michele POTASHMAN, 213 Harvard Street, Apt. 2R, Cambridge, MA, 02139, US
Babak RIAHI, 6141 Kenwater Avenue, Woodland Hills, CA 91367, US
Thomas STORZ, 1724 Blue Canyon Street, Thousand Oaks, CA 91320, US
Simon VAN DER PLAS, 21 Shaughnessy Cres, Kanata, Ontario K2K 2P2, CA
Kevin YANG, 8871 Camino Real Avenue, San Gabriel, CA 91775, US
Chester C. YUAN, 1416 Geyser Court, Newbury Park, CA 91320, US

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

COMPOUNDS AND METHODS OF USE

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.: 11/584,151 filed on October 20, 2006 which claims the benefit of U.S. Provisional Application No. 60/779,057 filed October 21, 2005.
☐ (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 24th day of February 2007

Julie GERMAIN
(Name of Inventor)

Julie GERMAIN
(Signature of Inventor)

UNITED STATES OF AMERICA

State of MA
County of Middlesex

February 24, 2007

Before me, a Notary Public for [Middlesex County, MA], personally appeared Julie GERMAIN

☐ 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.

HARRY B. PRICE
Notary Public

My commission expires

STACEY R. PRICE
Notary Public
Commonwealth of Massachusetts
My Commission Expires
May 25, 2012
In Witness Whereof I have executed this assignment on the _____ day of _______ 20__

Benny C. ASKEW, JR.  (Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of  
County of  

} ss:  

_______ 20__

Before me, a Notary Public for [_____ County], [State of _____], personally appeared ____________

☐ 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.

Notary Public

My commission expires  

_______ 20__
In Witness Whereof I have executed this assignment on the _____ day of _______ 20___

David BAUER
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of

County of _______

} ss:


20___

Before me, a Notary Public for [_____ County], [State of _____], personally appeared _______

☐ 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.

Notary Public

My commission expires

20___
In Witness Whereof I have executed this assignment on the __________ day of __________ 20__

Deborah CHOQUETTE
(Name of Inventor)

__________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of ____________________
County of ____________________

} ss:

__________________________ 20__

Before me, a Notary Public for [______ County], [State of ______], personally appeared ____________________

☐ 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.

__________________________
Notary Public

My commission expires ____________________ 20__
In Witness Whereof I have executed this assignment on the _______ day of _________ 20_____

Lucian V. DiPIETRO  
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of } ss:

______ 20_____

Before me, a Notary Public for [_______County], [State of ______] personally appeared __________________

☐ 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.

Notary Public

My commission expires

______ 20_____

7
In Witness Whereof I have executed this assignment on the ______ day of ________ 20____

Russell GRACEFFA
(Name of Inventor)

______________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of ________________
County of ________________
} ss:

______________________________
20____

Before me, a Notary Public for [______County], [State of ______], personally appeared ______________________

[ ] 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.

______________________________
Notary Public

My commission expires ______________________

______________________________
20____
In Witness Whereof I have executed this assignment on the ___ day of ___ 20__

Jean-Christophe HARMANGE
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of ____________
County of ____________

} ss:

_________ 20__

Before me, a Notary Public for [______ County], [State of ____], personally appeared ____________________________

☐ 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.

__________________________
Notary Public

My commission expires ___ 20__
In Witness Whereof I have executed this assignment on the _ day of _ , 20_.

Qi HUANG
(Name of Inventor) 

(Signature of Inventor)

UNITED STATES OF AMERICA

State of } ss:

County of _ , 20_.

Before me, a Notary Public for [_ County], [State of _ ], personally appeared _ .

[] 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.

______________________________
Notary Public

My commission expires ___________________________ 20_.

PATENT
REEL: 019112 FRAME: 0787
In Witness Whereof I have executed this assignment on the _____ day of _______ 20

Joseph L. KIM  
(Name of Inventor)  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of   
County of   
} ss:  

Before me, a Notary Public for [____County], [State of _____], personally appeared ________

☐ 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.

Notary Public  
My commission expires  

20
In Witness Whereof I have executed this assignment on the ______ day of _______ 20__

Daniel LA
(Name of Inventor) ____________________________

(Signature of Inventor) ____________________________

UNITED STATES OF AMERICA

State of ___________________  ss: ___________________

County of ___________________  ss: ___________________

Before me, a Notary Public for [_______ County], [State of ______ ], personally appeared __________________________

☐ 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.

________________________________________
Notary Public

My commission expires __________________________

20__
In Witness Whereof I have executed this assignment on the _____ day of _________ 20___

Aiwen LI  
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA

State of  
County of  

}  ss:

________________________  20___

Before me, a Notary Public for [_____County], [State of _____], personally appeared ____________________

☐ 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.

________________________
Notary Public

My commission expires  

________________________  20___
In Witness Whereof I have executed this assignment on the ____ day of _________ 20____

Nobuko NISHIMURA
(Name of Inventor) ____________________________
(Signature of Inventor) _______________________

UNITED STATES OF AMERICA

State of ____ County of ________

} ss: ____________________________ 20____

Before me, a Notary Public for [____ County], [State of _____], personally appeared ______________________

☐ 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.

______________________________
Notary Public

My commission expires ____________________________ 20____

14
In Witness Whereof I have executed this assignment on the _____ day of _____ 20___

Rana NOMACK
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of 

County of 

} ss:

20___

Before me, a Notary Public for [_____County], [State of _____], personally appeared ____________

☐ 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.

Notary Public

My commission expires

20___
In Witness Whereof I have executed this assignment on the _____ day of ___________ 20____

Vinod PATEL
(Name of Inventor) 

__________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of

County of

} ss:

__________________
20____

Before me, a Notary Public for [______County], [State of ______], personally appeared __________________________

☐ 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.

______________
Notary Public

My commission expires

__________________
20____
In Witness Whereof I have executed this assignment on the _____ day of ___________ 20__

Michele POTASHMAN  (Name of Inventor)    ________________________________  (Signature of Inventor)

UNITED STATES OF AMERICA

State of                                  ss:  

County of _______  }  __________  20__

Before me, a Notary Public for [____County], [State of _____], personally appeared ____________________________

☐ 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.

______________________________  
Notary Public

My commission expires  

______________________________  20__
In Witness Whereof I have executed this assignment on the ______ day of _______ 20____

Babak RIAHI
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of __________________________ ss:

County of __________________________ ss: 20____

Before me, a Notary Public for [______ County], [State of ______], personally appeared ______________

☐ 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.

____________________________
Notary Public

My commission expires

____________________________ 20____
In Witness Whereof I have executed this assignment on the _____ day of ____________ 20___

__________________________
Thomas STORZ
(Name of Inventor)

__________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of
} ss:

__________________________

20___

Before me, a Notary Public for [____ County], [State of ____], personally appeared _______________

☐ 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.

__________________________
Notary Public

My commission expires

__________________________

20___
In Witness Whereof I have executed this assignment on the _____ day of _______________ 20__

Simon VAN DER PLAS
(Name of Inventor)

______________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of }
County of ss:

x _______________ 20__

Before me, a Notary Public for [_____ County], [State of _____], personally appeared _______________

☐ 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.

______________________________
Notary Public

My commission expires _______________ 20__

In Witness Whereof I have executed this assignment on the _______ day of _______ 20____

Kevin YANG  
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA

State of } ss:
County of  

______ 20____

Before me, a Notary Public for [____ County], [State of _____], personally appeared ________________________

☐ 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.

Notary Public

My commission expires  

______ 20____
In Witness Whereof I have executed this assignment on the _____ day of _____________ 20__

Chester C. YUAN ________________________________
(Name of Inventor) ________________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of

} ss:

______ 20__

Before me, a Notary Public for [_____ County], [State of _____], personally appeared _________________

☐ 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.

______________________________
Notary Public

My commission expires

______________________________ 20__
公证书

中华人民共和国山东省滨州市公证处
ASSIGNMENT

WHEREAS, we, Julie GERMAIN, 17 Bower Street, Medford, MA 02155, US
Benny C. ASKEW, JR., 266 Arrowhead Road, Marshfield, MA 02050, US
David BAUER, 627 Concord Road, Sudbury, MA 01776, US
Deborah CHOQUETTE, 17 Blakely Road, Medford, MA 02155, US
Lucian V. DIPIETRO, 37 Centennial Avenue, Gloucester, MA 01930, US
Russell GRACEFFA, 2 Wingate Street, Hampton, NH 03824, US
Jean-Christophe HARMANGE, 57 William Street, Andover MA 01810, US
Qi HUANG, 12308 Willow Forest Drive, Moorpark CA 93021, US
Daniel LA, 124 Park Street, #3, Brookline, MA 02446, US
Aiwen LI, 660 Via Colinas, Westlake Village, CA 91362, US
Nobuko NISHIMURA, 24050 Arminta Street, West Hills, CA 91304, US
Rana NOMACK, Bogazici University, Ucaksavar Loj. B Blok DA:20, Etiller Istanbul 34342, TR
Vinod PATEL, 3 Mossy Lane, Acton, MA, 01720, US
Michele POTASHMAN, 213 Harvard Street, Apt. 2R, Cambridge, MA, 02139, US
Babak RIAHI, 6141 Kenwater Avenue, Woodland Hills, CA 91367, US
Thomas STORZ, 1724 Blue Canyon Street, Thousand Oaks, CA 91320, US
Simon VAN DER PLAS, 21 Shaughnessy Cres, Kanata, Ontario K2K 2P2, CA
Kevin YANG, 8871 Camino Real Avenue, San Gabriel, CA 91775, US
Chester C. YUAN, 1416 Geyser Court, Newbury Park, CA 91320, US

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

COMPOUNDS AND METHODS OF USE

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.: 1/684,151 filed on October 20, 2006 [which claims the benefit of U.S. Provisional Application No. 60/729,057 filed October 21, 2005.

☐ (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

PATENT
REEL: 019112 FRAME: 0801
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 ___ day of ___ 20___

Julie GERMAIN
(Name of Inventor)

{Signature of Inventor}

UNITED STATES OF AMERICA

State of ___
County of ___

ss:

___ 20___

Before me, a Notary Public for [___ County], [State of ___], personally appeared ___

☐ 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.

______________________________
Notary Public

My commission expires ___ 20___
In Witness Whereof I have executed this assignment on the ______ day of _______ 20____

Benny C. ASKEW, JR.  
(Name of Inventor) 

(Signature of Inventor)

UNITED STATES OF AMERICA

State of } ss: __________________________ 20____
County of __________________________ 20____

Before me, a Notary Public for [County], [State of ], personally appeared __________________________

☐ 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.

__________________________
Notary Public

My commission expires __________________________ 20____
In Witness Whereof I have executed this assignment on the date of the 20

David BAUER  (Name of Inventor)  (Signature of Inventor)

UNITED STATES OF AMERICA

State of  ss:  20

County of

Before me, a Notary Public for [County], [State of ], personally appeared

☐ 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.

Notary Public
My commission expires 20
In Witness Whereof I have executed this assignment on the ________ day of ________ ________

______________________________
Deborah CHOQUETTE
(Name of Inventor)

______________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of _________________________
County of _________________________
ss: ________________________________

Before me, a Notary Public for [______County], [State of ________], personally appeared _________________________

☐ 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.

______________________________
Notary Public

My commission expires _________________________

______________________________
In Witness Whereof I have executed this assignment on the ______ day of _______ 20____

Lucian V. DiPIETRO
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA

State of ______ County of ______ ss: ______ 20____

Before me, a Notary Public for [____ County], [State of ______], personally appeared ________________

☐ 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.

Notary Public

My commission expires ______ 20____
In Witness Whereof I have executed this assignment on the __________ day of ________________ 20__

Russell GRACEFFA
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of

) ss:

__________________________ 20__

Before me, a Notary Public for [_____County], [State of _____], personally appeared ________________________

☐ 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.

__________________________
Notary Public

My commission expires ____________________________ 20__
In Witness Whereof I have executed this assignment on the ___________ day of ______________ 20__

Jean-Christophe HARMANGE
(Name of Inventor) ______________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of ____________________________
County of ________________ ss:

________________________________________ 20__

Before me, a Notary Public for __________County, [State of _____], personally appeared ________________

☐ 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.

______________________________
Notary Public

My commission expires ____________________________ 20__
In Witness Whereof I have executed this assignment on the ______ day of _______ 20____

Qi HUANG
(Name of inventor)

__________________________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of ________, ss:

__________________________________________ 20____

Before me, a Notary Public for [_____ County], [State of _____], personally appeared ____________

☐ 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.

____________________
Notary Public

My commission expires

__________________________________________ 20____
In witness whereof I have executed this assignment on the ______ day of _______ 20____

Joseph L. KIM
(Name of inventor)
(Signature of Inventor)

UNITED STATES OF AMERICA

State of County of __________________________ ss: __________________________

Before me, a Notary Public for [County], [State of _____], personally appeared __________________________

[☐] 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.

________________________________________
Notary Public

My commission expires 

________________________________________

Docket No: A-1052-US-NP

PATENT
REEL: 019112 FRAME: 0811
In Witness Whereof I have executed this assignment on the ______ day of ______ 20____

Daniel LA (Name of Inventor) (Signature of Inventor)

UNITED STATES OF AMERICA

State of 
County of } ss:

__________ 20____

Before me, a Notary Public for [____County], [State of ____], personally appeared __________

☐ 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.

Notary Public

My commission expires __________________ 20_____
In Witness Whereof I have executed this assignment on the 2nd day of March 2007.

Aiwen LI
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of 
County of 
ss: 

Before me, a Notary Public for [County], [State of ], personally appeared 

☐ 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.

Notary Public

My commission expires 

Docket No: A-1052-US-NP
In Witness Whereof I have executed this assignment on the day of 20

Nobuko NISHIMURA (Name of Inventor) (Signature of Inventor)

UNITED STATES OF AMERICA

State of ss: 20

County of

Before me, a Notary Public for [County], [State of ] personally appeared

☐ 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.

__________________________
Notary Public

My commission expires

__________________________ 20
In Witness Whereof I have executed this assignment on the ______day of _______ 20____

Rana NOMACK ________________________________
(Name of inventor) (Signature of Inventor)

UNITED STATES OF AMERICA

State of ___________________
County of ___________________
ss: ___________________

________________________ 20____

Before me, a Notary Public for [County], [State of _______], personally appeared ________________

☐ 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.

________________________
Notary Public

My commission expires _______ 20____
In Witness Whereof I have executed this assignment on the _____ day of _______ 20___

Vinod PATEL
(Name of Inventor) (Signature of Inventor)

UNITED STATES OF AMERICA

State of } ss:
County of _______ 20___

Before me, a Notary Public for [County], [State of _______], personally appeared _________________

☐ 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.

__________________________
Notary Public

My commission expires _________________ 20___
In Witness Whereof I have executed this assignment on the ______ day of ___________ 20____

Michele POTASHMAN 
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

state of 

county of ___________ 20____

Before me, a Notary Public for [____County], [State of ______], personally appeared ____________________________

I 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.

________________________________________
Notary Public

My commission expires

________________________________________ 20____

PATENT
REEL: 019112 FRAME: 0817
In Witness Whereof I have executed this assignment on the __________day of _______________20__

Babak RIAHI
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of ____________________________ ss: __________________

______________________________20__

Before me, a Notary Public for [____County], [State of _____], personally appeared __________________

☐ 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.

Notary Public

My commission expires ___________________20__
In Witness Whereof I have executed this assignment on the ______ day of _______ 20____

Thomas STORZ
(Name of Inventor) ______________________________________________________________________

(Signature of Inventor)

UNITED STATES OF AMERICA

State of __________

County of __________ ss. ______________________________________________________________________

__________________________________________ 20____

Before me, a Notary Public for ______ County, ______ State of _______. personally appeared __________

____________________________________________________________________________________

☐ 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.

____________________________________________________________________________________

Notary Public

My commission expires ______________________________________________________________________

PATENT

REEL: 019112 FRAME: 0819
In Witness Whereof I have executed this assignment on the ______ day of ___________ 20____

Simon VAN DER PLAS  
(Name of Inventor)  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of  
County of  

) ss:

_________________________ 20____

Before me, a Notary Public for [____County], [State of ____], personally appeared ________________________

☐ 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.

_________________________
Notary Public

My commission expires ________________________ 20____
In Witness Whereof I have executed this assignment on the ______ day of _______ 20___

Kevin YANG  
(Name of Inventor)  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of } ss:  

________________________________________ 20___

Before me, a Notary Public for [_____County], [State of _____], personally appeared ____________________

☐ 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.

__________________________________________
Notary Public

My commission expires

_________________________________________ 20___
In Witness Whereof I have executed this assignment on the __________ day of ________________ 20__

Chester C. YUAN  
(Name of inventor)  
(Signature of inventor)

UNITED STATES OF AMERICA

State of ________________  
County of ________________ ss:

______________________________ 20__

Before me, a Notary Public for [________County], [State of ______], personally appeared _____________________

☐ 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.

______________________________
Notary Public

My commission expires _____________________

20__
公证书

(2007)滨证字第236号

兹证明李爱文（男，一九六八年九月二日出生，现住山东省沾化县富国镇中心路322号）于二OO七年三月二日来到我处，在我的面前，在前面的《ASSIGNMENT》上签名。

中华人民共和国山东省滨州市公证处

公证员 吴艳平

二OO七年三月二日
NOTARIAL CERTIFICATE
(Translation)

This is to certify that Li Aiwen, (male, born on September 2, 1968, now residing at No. 322, Zhongxin Road, Fuguo Town, Zhanhua County, Shandong Province) came to Binzhou Notary Public Office on March 2, 2007, and affixed his signature on the ASSIGNMENT attached hereto in my presence.

Notary: Wu Deping
Binzhou Notary Public Office
Shandong Province
The People’s Republic of China
March 2, 2007
证明书

（2007）滨证外字第237号

兹证明前面的（2007）滨证外字第236号《公证书》的英文译本内容与该公证书中文原本相符。

中华人民共和国山东省滨州市公证处

公证员 吴德平

二〇〇七年三月一日
CERTIFICATE

(Translation)


This is to certify that the English translated copy of Notarial Certificate (2007) Bin Zheng Wai Zi, No. 236 attached hereto is in conformity with the Chinese original copy of the Notarial Certificate.

Notary: Wu Deping
Binzhou Notary Public Office
Shandong Province
The People’s Republic of China
March 2, 2007
ASSIGNMENT

Whereas, we, Julie GERMAIN, 47 Bower Street, Medford, MA 02155, US
Benny C. ASKEW, JR., 266 Arrowhead Road, Marshfield, MA 02050, US
David BAUER, 627 Concord Road, Sudbury, MA 01776, US
Deborah CHOQUETTE, 17 Blakely Road, Medford, MA 02155, US
Lucian V. DIPETRO, 37 Centennial Avenue, Gloucester, MA 01930, US
Russell GRAECOFF, 2 Wingate Street, Hampton, NH 03842, US
Jean-Christophe HARMANGE, 57 William Street, Andover MA 01810, US
Qi HUANG, 12308 Willow Forest Drive, Moorpark CA 93021, US
Daniel LA, 124 Park Street, #3, Brookline, MA 02446, US
Aiwen LI, 660 Via Colinas, Westlake Village, CA 91362, US
Nobuko NISHIMURA, 24050 Arminta Street, West Hills, CA 91304, US
Rana NOMACK, Bogazici University, Ucaksavar Loj. B Blok DA:20, Etiker Istanbul 34342, TR
Vinod PATEL, 3 Mossy Lane, Acton, MA, 01720, US
Michele POTASHMAN, 213 Harvard Street, Apt. 2R, Cambridge, MA, 02139, US
Babak RIAHI, 6141 Kenwater Avenue, Woodland Hills, CA 91367, US
Thomas STORZ, 1724 Blue Canyon Street, Thousand Oaks, CA 91320, US
Simon VAN DER PLAS, 21 Shaughnessy Cres, Kanata, Ontario K2K 2P2, CA
Kevin YANG, 8871 Camino Real Avenue, San Gabriel, CA 91775, US
Chester C. YUAN, 1416 Geyser Court, Newbury Park, CA 91320, US

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

COMPOUNDS AND METHODS OF USE

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.: 11/584,151 filed on October 20, 2006 
which claims the benefit of U.S. Provisional Application No. 60/729,057 filed October 21, 2005. 

☐ (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 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.

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 __________ day of ______________ 20____

Julie GERMAIN
(Name of Inventor)

________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of ________________
County of ________________
} ss:

____________________________________________________

Before me, a Notary Public for [____County], [State of______], personally appeared ________________

☐ 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.

________________________
Notary Public

My commission expires

____________________________________________________

20____
In Witness Whereof I have executed this assignment on the ______ day of _______ 20____

__________________________
Benny C. ASKEW, JR.          ______________________________
(Name of Inventor)            (Signature of Inventor)

UNITED STATES OF AMERICA

State of ______
County of _____________ __ ss: ____________________________

__________________________
Before me, a Notary Public for [____ County], [State of ________], personally appeared ________________

☐ 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.

__________________________
Notary Public

My commission expires

__________________________

20____
In Witness Whereof I have executed this assignment on the ______ day of: ______________ 20____

________________________________________
David BAUER
(Name of Inventor)

________________________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of ______
County of ______

} ss: ______________ 20____

Before me, a Notary Public for [____County], [State of ____], personally appeared ______________________

☐ 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.

________________________________________
Notary Public

My commission expires ______________ 20____
In Witness Whereof I have executed this assignment on the _____ day of __________ 20__

Deborah CHOQUETTE  
(Name of Inventor)  

______________________________  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of 
County of 
} ss: 

______________________________  
20__

Before me, a Notary Public for [_____ County], [State of _____], personally appeared ____________________

☐ 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.

______________________________  
Notary Public

My commission expires 

______________________________  
20__
In Witness Whereof I have executed this assignment on the _____ day of _______ 20____

________________________________________
Lucian V. DiPietro
(Name of Inventor)

________________________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of ________
County of ________ ss:

________________________________________
20____

Before me, a Notary Public for [County], [State of ________], personally appeared

☐ 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.

________________________
Notary Public

My commission expires

________________________________________
20____
In Witness Whereof I have executed this assignment on the ____ day of ___________ 20____.

Russell GRACEFFA
(Name of Inventor) __________________________

(Signature of Inventor) __________________________

UNITED STATES OF AMERICA

State of 
County of 

} ss:

________________________ 20____

Before me, a Notary Public for [____ County], [State of ____], personally appeared __________________

☐ 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.

________________________
Notary Public

My commission expires __________________

________________________ 20____
In Witness Whereof I have executed this assignment on the _______ day of _________ 20_____.

Jean-Christophe HARMANGE ___________________________ (Name of Inventor) (Signature of Inventor)

UNITED STATES OF AMERICA

State of ________________ ss: ___ 20_____.

County of ________} ____________

Before me, a Notary Public for [______ County], [State of ______], personally appeared ________________________________

☐ 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.

___________________________
Notary Public

My commission expires ______________________ 20_____.

9
In Witness Whereof I have executed this assignment on the _____ day of ____________ 20__

Qi HUANG
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of } ss:

__________________________ 20__

Before me, a Notary Public for [_____County], [State of ____], personally appeared _______________________

☐ 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.

______________________________
Notary Public

My commission expires

__________________________ 20__
In Witness Whereof I have executed this assignment on the _______ day of ____________ 20____

Joseph L. KIM
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of 

} ss:

20____

Before me, a Notary Public for [_____ County], [State of _____], personally appeared ______________________

☐ 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.

______________________________
Notary Public

My commission expires ________________ 20____
In Witness Whereof I have executed this assignment on the ______ day of _______ 20____

Daniel LA  
(Name of Inventor)  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of  
County of  
ss:  

______ 20____

Before me, a Notary Public for [____County], [State of _____], personally appeared ________________

☐ 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.

Notary Public

My commission expires  

______ 20____
In Witness Whereof I have executed this assignment on the ______ day of _______ 20____

________________________
(Aiwen LI)
(Name of Inventor)

________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of

{ ss:

________________________
20____

Before me, a Notary Public for [____County], [State of ______], personally appeared ________________

☐ 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.

________________________
Notary Public

My commission expires

________________________
20____
In Witness Whereof I have executed this assignment on the ______ day of _________ 20____

Nobuko NISHIMURA
(Name of Inventor) __________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of __________________________
County of __________________________

} ss: __________________________

______ 20____

Before me, a Notary Public for [____County], [State of _____], personally appeared __________________________

☐ 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.

______________________________
Notary Public

My commission expires __________________________

____________________________________ 20____
In Witness Whereof I have executed this assignment on the 28 day of February 2007

Rana NOMACK
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of }
County of ss:

Feb 28, 2007

Istanbul, Turkey

Before me, a Notary Public for [County], [State of ], personally appeared

Rana Nomack

☑ 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.

Notary Public

My commission expires

Nov. 17, 2007 20
In Witness Whereof I have executed this assignment on the _____ day of ______________ 20__

Vinod PATEL  
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA

State of  
County of  }

By: ____________________________________________  20__

Before me, a Notary Public for [_____County], [State of _____], personally appeared ____________________________

☐ 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.

_______________________________________________  
Notary Public  

My commission expires  

_______________________________________________  20__
In Witness Whereof I have executed this assignment on the ______ day of ________ 20____

Michele POTASHMAN
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of

)} ss:

__________________________ 20____

Before me, a Notary Public for [_____County], [State of _____], personally appeared __________________________

□ 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.

__________________________
Notary Public

My commission expires

__________________________ 20____
In Witness Whereof I have executed this assignment on the _______day of ____________ 20____

Babak RIAHI
(Name of Inventor) ____________________________________________

(Signature of Inventor)

UNITED STATES OF AMERICA

State of ________ ss: __________

County of ________ ss: __________

Before me, a Notary Public for [County], [State of ______], personally appeared ________________

☐ 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.

Notary Public

My commission expires ____________________________ 20____
In Witness Whereof I have executed this assignment on the _____ day of ____________ 20__

Thomas STORZ
(Name of Inventor)

__________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of ____________________
County of ____________________

__________________________ 20__

Before me, a Notary Public for [_____ County], [State of _____], personally appeared ____________________

☐ 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.

________________________________________
Notary Public

My commission expires ____________________ 20__
In Witness Whereof I have executed this assignment on the _____ day of ____________ 20__

__________________________
Simon VAN DER PLAS
(Name of Inventor)

__________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of

} ss:

__________________________ 20__

Before me, a Notary Public for [______County], [State of ______], personally appeared __________________________

☐ 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.

__________________________
Notary Public

My commission expires

__________________________ 20__

20
In Witness Whereof I have executed this assignment on the ______ day of _________ 20__

Kevin YANG
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of ____________________________
County of ____________________________

} ss: ____________________________

20__

Before me, a Notary Public for [_____ County], [State of ______], personally appeared ____________________________

☐ 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.

____________________________________
Notary Public

My commission expires ____________________________

20__
In Witness Whereof I have executed this assignment on the ______ day of ______________ 20__

Chester C. YUAN  
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA

State of } ss:

County of 20__

Before me, a Notary Public for [____County], [State of _____], personally appeared _______________________

☐ 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.

________________________
Notary Public

My commission expires ________________________ 20__

22
ASSIGNMENT

Whereas, we, Julie GERMAIN, 47 Bower Street, Medford, MA 02155, US
Benny C. ASKIEW, JR., 266 Arrowhead Road, Marshfield, MA 02050, US
David BAUER, 627 Concord Road, Sudbury, MA 01776, US
Deborah CHOQUETTE, 17 Blakely Road, Medford, MA 02155, US
Lucian V. DIPIETRO, 37 Centennial Avenue, Gloucester, MA 01930, US
Russell GRACEFFA, 2 Wingate Street, Hampton, NH 03824, US
Jean-Christophe HARMANGE, 57 William Street, Andover MA 01810, US
Qi HUANG, 12308 Willow Forest Drive, Moorpark CA 93021, US
Daniel LA, 124 Park Street, #3, Brookline, MA 02446, US
Aiwen LI, 660 Via Colinas, Westlake Village, CA 91362, US
Nobuko NISHIMURA, 24050 Armita Street, West Hills, CA 91304, US
Rana NOMACK, Bogazici University, Ucaksav Loj, B Blok DA:20, Etile Istanbul 34342, TR
Vinod PATEL, 3 Mossy Lane, Acton, MA, 01720, US
Michele POTASHMAN, 213 Harvard Street, Apt. 2R, Cambridge, MA, 02139, US
Babak RIAHI, 6141 Kenwater Avenue, Woodland Hills, CA 91367, US
Thomas STORZ, 1724 Blue Canyon Street, Thousand Oaks, CA 91320, US
Simon VAN DER PLAS, 21 Shaughnessy Cres, Kanata, Ontario K2K 2P2, CA
Kevin YANG, 8871 Camino Real Avenue, San Gabriel, CA 91775, US
Chester C. YUAN, 1416 Geyser Court, Newbury Park, CA 91320, US

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

COMPUNDS AND METHODS OF USE

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.: 11/584,151 filed on October 20, 2006 which claims the benefit of U.S. Provisional Application No. 60/729,057 filed October 21, 2005.
☐ (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 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.

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 ______ day of ___________ 20__

Julie GERMAIN  ____________________________  ____________________________
(Name of Inventor) (Signature of Inventor)

UNITED STATES OF AMERICA

State of ________ ss: ____________________________ 20__
County of ____________________________

Before me, a Notary Public for [______County], [State of______], personally appeared ____________________________

☐ 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.

______________________________
Notary Public

______________________________ 20__
My commission expires
In Witness Whereof I have executed this assignment on the __________ day of __________ 20__

Benny C. ASKEW, JR.  
(Name of Inventor)  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of ________  
County of ________ ss:  
____________________________________ 20__

Before me, a Notary Public for [____County], [State of ____], personally appeared __________

☐ 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.

____________________________________  
Notary Public

My commission expires __________ 20__
In Witness Whereof I have executed this assignment on the ______ day of _______ 20____

David BAUER
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of ________
County of ________

ss: ________ 20____

Before me, a Notary Public for [____County], [State of _____], personally appeared ________

☐ 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.

Notary Public

My commission expires ________ 20____
In Witness Whereof I have executed this assignment on the ________ day of ________ 20______

Deborah CHOQUETTE
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of } ss:

_______ 20______

Before me, a Notary Public for [______ County], [State of ________], personally appeared ______________

☐ 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.

_____________________________
Notary Public

My commission expires

_____________________________

20______
In Witness Whereof I have executed this assignment on the ______ day of _______ 20__

__________________________________________
Lucian V. DiPIETRO
(Name of Inventor)

__________________________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of

{ ss: ___________ 20__

Before me, a Notary Public for [____County], [State of _____], personally appeared ________________

☐ 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.

__________________________________________
Notary Public

My commission expires

__________________________________________ 20__
In Witness Whereof I have executed this assignment on the ______day of _________20____

Russell GRACEFFA (Name of Inventor)  (Signature of Inventor)

UNITED STATES OF AMERICA

State of County of } ss: _________20____

Before me, a Notary Public for [____County], [State of _____], personally appeared ________________

☐ 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.

Notary Public

My commission expires _________20____
In Witness Whereof I have executed this assignment on the ___ day of ____________ 20___

Jean-Christophe HARMANGE
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of

County of ___ ss: ___

_______ 20___

Before me, a Notary Public for [_____ County], [State of ___], personally appeared _____

☐ 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.

________________________
Notary Public

My commission expires ___ 20___
In Witness Whereof I have executed this assignment on the 7th day of February 2007.

Qi HUANG
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of California, ss:
County of Ventura

February 7, 2007

California

Before me, a Notary Public for [County], [State of ], personally appeared

Qi HUANG

☑ 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.

Karen E. Podgorny
Notary Public
My commission expires October 28, 2010
In Witness Whereof I have executed this assignment on the _______ day of _________ 20______

Joseph L. KIM
(Name of Inventor)  _________________________________________________________________

(Signature of Inventor)

UNITED STATES OF AMERICA

State of 
County of 

} ss: ________________________________________________________ 20______

Before me, a Notary Public for [______ County], [State of _______], personally appeared __________________________

☐ 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.

________________________________________________________________________
Notary Public

My commission expires _____________________________________________ 20______
In Witness Whereof I have executed this assignment on the ____ day of _______ 20__.

Daniel LA
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of ____________ ss:

County of ____________

Before me, a Notary Public for [______ County], [State of ______], personally appeared ________________

☐ 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.

_________________________
Notary Public

My commission expires ____________ 20__

_________________________

12
In Witness Whereof I have executed this assignment on the ______ day of ______ 20____

Aiwen LI
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of ____________ ss: 

______ 20____

Before me, a Notary Public for [____County], [State of ______], personally appeared __________

☐ 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.

Notary Public

My commission expires

______ 20____
In Witness Whereof I have executed this assignment on the 13 day of February 2007

Nobuko NISHIMURA
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of California, ss:
County of Ventura

February 13, 2007

Before me, a Notary Public for [County], [State of California], personally appeared

Nobuko Nishimura

☐ 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.

Karen E. Podgorny
Notary Public

My commission expires

October 28, 2010

14
In Witness Whereof I have executed this assignment on the _____ day of ___________ 20__

Rana NOMACK
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of ___________ ss:

_______ 20__

Before me, a Notary Public for [_____ County], [State of _____], personally appeared ______________________

☐ 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.

____________________________
Notary Public

My commission expires ______________________

20__

15
In Witness Whereof I have executed this assignment on the ______ day of ________ 20____

Vinod PATEL
(Name of Inventor)  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of ________ ss: ________ 20____

County of ________

Before me, a Notary Public for ________ County, ________ State of ________, personally appeared ________

☐ 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.

Notary Public

My commission expires ________ 20____
In Witness Whereof I have executed this assignment on the ______ day of _____________ 20____

Michele POTASHMAN
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of 
County of { ss:

20____

Before me, a Notary Public for [County], [State of ____], personally appeared ________________

☐ 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.

Notary Public

My commission expires 

20____
In Witness Whereof I have executed this assignment on the 28th day of March 2007.

Babak RIAHI  
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of California  
County of Ventura  

March 2, 2007

Before me, a Notary Public for [County] [State of ], personally appeared

Babak Riahi

☐ 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.

Karen E. Podgorny  
Notary Public  

My commission expires

October 28, 2010  

18
In Witness Whereof I have executed this assignment on the 13 day of February 2007

Thomas STORZ
(Name of Inventor)

(State of California) ss:
County of Ventura

Before me, a Notary Public for [______ County], [State of ______], personally appeared ________

Thomas Storz

☐ 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.

Karen E. Podgorny
Notary Public

My commission expires October 28, 2010

Docket No: A-1052-US-NP

19
In Witness Whereof I have executed this assignment on the ______ day of ________ 20____

Simon VAN DER PLAS (Name of Inventor) ______________________ (Signature of Inventor)

UNITED STATES OF AMERICA

State of _____________________________ ss: _____________________________ 20____

County of _____________________________

Before me, a Notary Public for [____County], [State of _____], personally appeared ______________________

☐ 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.

____________________________
Notary Public

My commission expires _____________________________ 20____
In Witness Whereof I have executed this assignment on the 13th day of Feb., 2007

Kevin YANG
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of California, ss:
County of Ventura

February 13, 2007

Before me, a Notary Public for [County], [State of California] personally appeared ____________________________

__________________________
Kevin Yang

☐ 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.

__________________________
KAREN E. PODGORN
Notary Public

My commission expires

__________________________
October 28, 2010
In Witness Whereof I have executed this assignment on the 13th day of Feb., 2007

Chester C. YUAN  
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of California,  
County of Ventura  
{ss:}

February 13, 2007

Before me, a Notary Public for Ventura County, [State of California], personally appeared

Chester C. Yuan

☐ 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.

Christine Denise Gray  
Notary Public

My commission expires

November 11, 2010
ASSIGNMENT

Whereas, we, Julie GERMAIN, 47 Bower Street, Medford, MA 02155, US
Benny C. ASKEW, JR., 266 Arrowhead Road, Marshfield, MA 02050, US
David BAUER, 627 Concord Road, Sudbury, MA 01776, US
Deborah CHOQUETTE, 17 Blakely Road, Medford, MA 02155, US
Lucian V. DIPIETRO, 37 Centennial Avenue, Gloucester, MA 01930, US
Russell GRACEFFA, 2 Wingate Street, Hampton, NH 03824, US
Jean-Christophe HARMANGE, 57 William Street, Andover MA 01810, US
Qi HUANG, 12308 Willow Forest Drive, Moorpark CA 93021, US
Daniel LA., 124 Park Street, #3, Brookline, MA 02446, US
Aiwen LI, 660 Via Colinas, Westlake Village, CA 91362, US
Nobuko NISHIMURA, 24050 Arminta Street, West Hills, CA 91304, US
Rana NOMACK, Bogazici University, Ucaksavar Loj. B Blok DA:20, Etiller Istanbul 34342, TR
Vinod PATEL, 3 Mossy Lane, Acton, MA, 01720, US
Michele POTASHMAN, 213 Harvard Street, Apt. 2R, Cambridge, MA, 02139, US
Babak RIAHI, 6141 Kenwater Avenue, Woodland Hills, CA 91367, US
Thomas STORZ, 1724 Blue Canyon Street, Thousand Oaks, CA 91320, US
Simon VAN DER PLAS, 21 Shaughnessy Cres, Kanata, Ontario K2K 2P2, CA
Kevin YANG, 8871 Camino Real Avenue, San Gabriel, CA 91775, US
Chester C. YUAN, 1416 Geyser Court, Newbury Park, CA 91320, US

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

COMPOUNDS AND METHODS OF USE

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.: 11/584,151 filed on October 20, 2006
which claims the benefit of U.S. Provisional Application No. 60/729,057 filed October 21, 2005.

☐ (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 _____ day of _____ 20____

Julie GERMAIN (Name of Inventor) ________________________________ (Signature of Inventor) ________________________________

UNITED STATES OF AMERICA

State of _____  ss: ________________________________ 20____

County of ________________________________ 20____

Before me, a Notary Public for [_____ County], [State of _____], personally appeared ________________________________

☐ 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.

______________________________
Notary Public

My commission expires ________________________________ 20____
In Witness Whereof I have executed this assignment on the _______ day of _________ 20____

Benny C. ASKEW, JR.  
(Name of Inventor)  
(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of } ss:

___ 20____

Before me, a Notary Public for [____ County], [State of ____], personally appeared ____________________________

☐ 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.

____________________________
Notary Public

My commission expires _________ 20____
In Witness Whereof I have executed this assignment on the ______ day of ________ 20__

David BAUER
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of 
County of 

} ss:

______ 20__

Before me, a Notary Public for [____ County], [State of ____], personally appeared __________________

☐ 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.

________________________
Notary Public

My commission expires

________________________ 20__
In Witness Whereof I have executed this assignment on the _____ day of __________ 20__

Deborah CHOQUETTE
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of } ss:

___________________________ 20__

Before me, a Notary Public for [____County], [State of _____], personally appeared ________________________________

☐ 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.

___________________________
Notary Public

My commission expires ________________________________ 20__
In Witness Whereof I have executed this assignment on the ______ day of ________ 20____

 Lucian V. DIPIETRO
 (Name of Inventor) 

(Signature of Inventor)

UNITED STATES OF AMERICA

State of }

County of } ss:

20____

Before me, a Notary Public for [_____County], [State of _____], personally appeared_____________

☐ 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.

____________________________________
Notary Public

My commission expires

____________________________________

Docket No: A-1052-US-NP

PATENT
REEL: 019112 FRAME: 0878
In Witness Whereof I have executed this assignment on the _____ day of ___________ 20__

Russell GRACEFFA
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA

State of

County of

{ ss:

_______ 20___

Before me, a Notary Public for [_____County], [State of _____], personally appeared ____________

☐ 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.

________________________________________
Notary Public

My commission expires

________________________________________

20 ___
In Witness Whereof I have executed this assignment on the _____ day of _______ 20____

Jean-Christophe HARMANGE
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of } ss:

__________________________ 20____

Before me, a Notary Public for [_____County], [State of _____], personally appeared _______________________

[ ] 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.

__________________________
Notary Public

My commission expires ________________________ 20____
In Witness Whereof I have executed this assignment on the _____ day of _____ 20____

Qi HUANG  
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA  

State of  
County of  
} ss:  

20____

Before me, a Notary Public for [_____County], [State of _____], personally appeared ___________________________

☐ 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.

__________________________________________  
Notary Public  

My commission expires  

__________________________________________  
20____
In Witness Whereof I have executed this assignment on the _____ day of ____________ 20____

__________________________
Joseph L. KIM
(Name of Inventor)

__________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of ________________

County of ____________________________ ss:

__________________________ 20____

Before me, a Notary Public for [_____County], [State of _____], personally appeared _______________________

☐ 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.

__________________________
Notary Public

My commission expires

__________________________ 20____
In Witness Whereof I have executed this assignment on the ______ day of ________ 20______

Daniel LA
(Name of Inventor)  (Signature of Inventor)

UNITED STATES OF AMERICA

State of } ss: ________ 20______
County of

Before me, a Notary Public for [____County], [State of ____], personally appeared

☐ 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.

Notary Public

My commission expires ________ 20______
In Witness Whereof I have executed this assignment on the ______ day of _______ _______ 20____

________________________
Aiwen LI
(Name of Inventor)

________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of ______________________
County of ______________________

} ss:

_____________ 20____

Before me, a Notary Public for [______County], [State of ______], personally appeared ______________________

☐ 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.

________________________
Notary Public

My commission expires

________________________
20____
In Witness Whereof I have executed this assignment on the _______ day of _______ ____________ 20____

Nobuko NISHIMURA (Name of Inventor) _________________________________

(Signature of Inventor) _________________________________

UNITED STATES OF AMERICA

State of _______ ss:

County of _______ 20____

Before me, a Notary Public for [______ County], [State of _______], personally appeared ______________________

☐ 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.

__________________________________________
Notary Public

My commission expires ___________________________ 20____

14

PATENT
REEL: 019112 FRAME: 0885
In Witness Whereof I have executed this assignment on the _____ day of ___________ 20___

Rana NOMACK (Name of Inventor) ____________________________________________________________________________ (Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of } ss: ____________________________________________________________________________ 20___

Before me, a Notary Public for [____County], [State of __________], personally appeared ______________

☐ 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.

_____________________________________________________________________________________
Notary Public

My commission expires ____________________________________________________________________ 20___
In Witness Whereof I have executed this assignment on the _______ day of ____________ 20____

Vinod PATEL
(Name of Inventor)  (Signature of Inventor)

UNITED STATES OF AMERICA

State of  _______  ss:
County of  _______  20____

Before me, a Notary Public for [_______County], [State of _______], personally appeared ____________

☐ 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.

__________________________
Notary Public

My commission expires
                    20____
In Witness Whereof I have executed this assignment on the ______ day of ________ 20__

Michele POTASHMAN  
(Name of Inventor)  

(Signature of Inventor)

UNITED STATES OF AMERICA

State of __________  
County of ________  
} ss: ________  

__________ 20__

Before me, a Notary Public for [______County], [State of ______], personally appeared ____________________________

☐ 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.

__________________________________________
Notary Public

My commission expires ______________________

____________ 20__
In Witness Whereof I have executed this assignment on the ______ day of _________ 20__

Babak RIAHI (Name of Inventor) ____________________________

(Signature of Inventor) ____________________________

UNITED STATES OF AMERICA

State of ________ ss:

County of ________ 20__

Before me, a Notary Public for [County], [State of ______], personally appeared ________________

☐ 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.

________________________________________

Notary Public

My commission expires ________________

20__
In Witness Whereof I have executed this assignment on the ______ day of _______ __________ 20____

Thomas STORZ
(Name of Inventor)

(Signature of Inventor)

UNITED STATES OF AMERICA

State of ______
County of ______

ss: __________ 20____

Before me, a Notary Public for [____County], [State of ______], personally appeared __________

☐ 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.

________________________________________
Notary Public

My commission expires

________________________________________ 20____
In Witness Whereof I have executed this assignment on the 23 day of FEBRUARY 2007

Simon VAN DER PLAS
(Name of Inventor)

(Signature of Inventor)

CANADA
UNITED STATES OF AMERICA

PROVINCE OF
STATE OF
SIXTH OF
COUNTY OF

FEBRUARY 23 2007

Before me, a Notary Public for [County] [State of ], personally appeared Simon VAN DER PLAS

☐ 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

N/A 20

ADAM, MILLER, KELLY
BARRISTERS & SOLICITORS
601 - 300 March Road
Kanata, On K2K 2E2
Tel 613 592-6290
Fax 613 592-3116
In Witness Whereof I have executed this assignment on the ________ day of ___________ 20______

Kevin YANG
(Name of Inventor) ________________________________

(Signature of Inventor) ________________________________

UNITED STATES OF AMERICA

State of ___________ ss: ________________________________ 20______

County of ___________ ___________ ss: ________________________________

Before me, a Notary Public for [____County], [State of ______], personally appeared ________________________________

☐ 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.

Notary Public

My commission expires ________________________________ 20______
In Witness Whereof I have executed this assignment on the ______ day of _________ 20____

__________________________
Chester C. YUAN
(Name of Inventor)

__________________________
(Signature of Inventor)

UNITED STATES OF AMERICA

State of
County of _________ ss:

__________________________
20____

Before me, a Notary Public for [______County], [State of _________], personally appeared __________________

☐ 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.

__________________________
Notary Public

My commission expires

__________________________
20____