503094300 12/10/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3140906

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEONGHOON SUN	11/03/2014
SEOG JOON HAN	10/31/2014
SUSIE M. HARRIS	10/31/2014
RANDAL R. KETCHEM	10/28/2014
JI LU	10/31/2014
MARK L. MICHAELS	10/29/2014
MARC W. RETTER	11/03/2014
MEI-MEI TSAI	10/31/2014

RECEIVING PARTY DATA

Name:	AMGEN INC.
Street Address:	ONE AMGEN CENTER DRIVE
City:	THOUSAND OAKS
State/Country:	CALIFORNIA
Postal Code:	91320-1799

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14367183

CORRESPONDENCE DATA

Fax Number: (206)233-0644

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 206-265-7817

Email: prindlek@amgen.com

Correspondent Name: KATHLEEN F. PRINDLE

Address Line 1: 1201 AMGEN COURT WEST

Address Line 2: LAW DEPARTMENT

Address Line 4: SEATTLE, WASHINGTON 98119-3105

ATTORNEY DOCKET NUMBER: A-1688-US-PCT

NAME OF SUBMITTER: KATHLEEN F. PRINDLE

SIGNATURE: /Kathleen F. Prindle/

503094300 PATENT REEL: 034458 FRAME: 0739

DATE SIGNED:	12/10/2014
Total Attachments: 40	
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PATENT REEL: 034458 FRAME: 0740

ASSIGNMENT

Whereas, I/we,	Jeonghoon Sun, 4992 35th Street, San Diego, California, USA 92116
	Seog Joon Han, 2645 Fallcreek Court, Simi Valley, California, USA 93063
	Susie M. Harris, 197 Los Vientos Dr., Newbury Park, California, USA 91320
	Randal R. Ketchem, 6332 152nd Street SE, Snohomish, Washington USA 98296
	Ji Lu, 1874 Brush Oak Court, Thousand Oaks, California, USA 91320
	Mark L. Michaels, 5007 Texhoma Avenue, Encino, California, USA 91316
	Marc W. Retter, 316 Canyon Crest Drive, Simi Valley, California, USA 93065
	Mei-Mei Tsai, 87 East Gainsborough Road, Thousand Oaks, California, USA 91360

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

VARIANT Fc-POLYPEPTIDES WITH ENHANCED BINDING TO THE NEONATAL FC RECEPTOR

which is found in:

US Application Serial No. 14/367,183; which is the US national stage entry of International Application No. PCT/US12/70146 filed December 17, 2012; which claims the benefit of U.S. Provisional Application Nos. 61/578,780 filed December 21, 2011; 61/585,993 filed January 12, 2012; and 61/729,050 filed November 21, 2012.

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

Now, therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto AMGEN INC., its successors and assigns (collectively "ASSIGNEE") ASSIGNOR'S entire right, title and interest in, to and under the Application, and any provisional application(s) from which Application is derived, and all priority rights to which the Application may be entitled, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for such inventions, or any of them, including divisional, continuation, continuation-in-part, substitute, reissue, and/or reexamination applications based on the above identified Application, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by ASSIGNEE for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, and any extensions

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thereof, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment and sale not been made.

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

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

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

For ASSIGNOR and for ASSIGNOR'S heirs, successors and legal representatives, ASSIGNOR further covenants and agrees with ASSIGNEE that upon request ASSIGNOR and ASSIGNOR'S heirs, successors and legal representatives will: (i) execute continuing, divisional, substitute, reexamination, and/or reissue applications, amended specifications, or rightful declarations or oaths; (ii) communicate to ASSIGNEE any facts known to ASSIGNOR or ASSIGNOR'S heirs, successors and legal representatives relating to such inventions or the history thereof; (iii) execute preliminary statements and testify in any interference proceedings or litigation; (iv) execute and deliver any application papers, assignments, or other instruments; and (v) do all other acts which, in the opinion of counsel for ASSIGNEE, may be necessary or desirable to secure the grant of Letters Patent to ASSIGNEE or its nominees, in the United States and in all other countries where ASSIGNEE may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for ASSIGNEE and to vest and confirm in ASSIGNEE or its nominees the full and complete legal and equitable title to all such Letters Patent, without further consideration than that now paid at the expense of ASSIGNEE.

In Witness Whereof I have executed the Jeonghoon Sun	his assignment on $\frac{\text{Nov. 3}}{\text{(Month, Day)}}$ 2014. (Year)
(Name of Inventor)	(Signature of Inventor)
UNITE	D STATES OF AMERICA
State of California	
County of DAN DIECTO	
On November 3, 2014	before me, SHOLIFA PACKER,
Notary Public, personally appeared	
	Jeonghoon Sun
SHOLITA PACKER Commission # 2003587 Notary Public - California San Diego County My Comm Evolves Feb 7 2017	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/the/y executed the same in his/he/the/r authorized capacity(ies), and that by his/he/the/r signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
My Comm. Expires Feb 7, 2017	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
	WITNESS my hand and official seal.
Place Notary Seal Above	Signature: Author

In Witness Whereof I have executed the	his assignment on	(Month, Day)	2014.
		(Month, Day)	(Year)
Seog Joon Han			
(Name of Inventor)		(Signature of Invent	tor)
UNITE	D STATES OF AM	ERICA	
State of California			
County of Ventura			
On	before me,		
Notary Public, personally appeared			
	Seog Joon Han		
	to be the person(s the within instrum she/they executed capacity(ies), and the instrument the	on the basis of satisfactors) whose name(s) is/are so that and acknowledged to the same in his/her/their that by his/her/their sign person(s), or the entity on(s) acted, executed the	ubscribed to o me that he/ r authorized nature(s) on upon behalf
	· ·	ENALTY OF PERJURY e of California that the and correct.	
	WITNESS my har	nd and official seal.	
Place Notary Seal Above	Signature:		

In Witness Whereof I have executed	this assignment on		2014.
		(Month, Day)	(Year)
Susie M. Harris			
(Name of Inventor)		(Signature of Inven	tor)
UNIT	ED STATES OF AMI	ERICA	
State of California			
County of Ventura			
On	before me,		
Notary Public, personally appeared			
	Susie M. Harris	- 10 M A. W.	
	to be the person(s) the within instrum- she/they executed capacity(ies), and the instrument the	on the basis of satisfact whose name(s) is/are sent and acknowledged to the same in his/her/the that by his/her/their sig person(s), or the entity n(s) acted, executed the	subscribed to o me that hea ir authorized anature(s) on upon behalf
	•	ENALTY OF PERJUR e of California that the nd correct.	
	·	d and official seal.	
Place Notary Seal Above	Signature:		

In Witness Whereof I have executed	d this assignment on _	(Marth Day)	2014.
		(Month, Day)	(Year)
Randal R. Ketchem			
(Name of Inventor)		(Signature of Inve	entor)
UNIT	ΓED STATES OF AN	MERICA	
State of Washington	ss:		
County of King			
On before	me, a Notary Public is	n and for the State of Wa	ashington,
personally appeared			
	Randal R. Ketchen	n	
	Randal R. Ketchem i and said person ack instrument and ackn	or have satisfactory evide is the person who appea knowledged that (he/sh lowledged it to be (his e uses and purposes me	red before me, e) signed this /her) free and
	WITNESS my hand a	and official seal.	
	Notary I	Public	
	My com	mission expires	
			20

In Witness Whereof I have executed th	is assignment on		2014.
	-	(Month, Day)	(Year)
Ji Lu			
(Name of Inventor)		(Signature of Invent	tor)
UNITE	D STATES OF AM	ERICA	
State of California			
County of Ventura			
On	before me,		
Notary Public, personally appeared			
	Ji Lu		
	to be the person(s) the within instrum she/they executed capacity(ies), and the instrument the of which the person	on the basis of satisfactors) whose name(s) is/are seent and acknowledged to the same in his/her/their sign that by his/her/their sign person(s), or the entity on(s) acted, executed the second satisfactors.	ubscribed to o me that he/ ir authorized nature(s) on upon behalf instrument.
	_	ENALTY OF PERJURY e of California that the nd correct.	
	WITNESS my han	nd and official seal.	
Place Notary Seal Above	Signature:		7 (1)

In Witness Whereof I have executed t	this assignment on		2014.
		(Month, Day)	(Year)
Mark L. Michaels			
(Name of Inventor)		(Signature of Inven	tor)
UNITE	ED STATES OF AM	ERICA	
State of California			
County of Ventura			
On	_ before me,		,
Notary Public, personally appeared			
	Mark L. Michaels		
	to be the person(s) the within instrum she/they executed capacity(ies), and the instrument the	on the basis of satisfactors whose name(s) is/are sent and acknowledged to the same in his/her/their that by his/her/their sig person(s), or the entity n(s) acted, executed the	ubscribed to o me that he/ ir authorized nature(s) on upon behalf
	~	ENALTY OF PERJUR e of California that the nd correct.	
	WITNESS my han	d and official seal.	
Place Notary Seal Above	Signature:		

In Witness Whereof I have executed	this assignment on		2014.
		(Month, Day)	(Year)
Marc W. Retter			
(Name of Inventor)		(Signature of Inven	ntor)
UNITI	ED STATES OF AM	ERICA	
State of California			
County of			
On	_ before me,		,
Notary Public, personally appeared			
	Marc W. Retter		
	to be the person(s the within instrum she/they executed capacity(ies), and the instrument the	on the basis of satisfact) whose name(s) is/are sent and acknowledged to the same in his/her/the that by his/her/their sign experson(s), or the entity on(s) acted, executed the	subscribed to o me that he/ oir authorized gnature(s) on upon behalf
	-	ENALTY OF PERJUR of California that the correct.	
	WITNESS my har	nd and official seal.	
Place Notary Seal Above	Signature:		

In Witness Whereof I have executed t	his assignment on		2014.
		(Month, Day)	(Year)
Mei-Mei Tsai			
(Name of Inventor)		(Signature of Inven	tor)
UNITE	CD STATES OF AM	ERICA	
State of California			
County of <u>Ventura</u>			
On	before me,		,
Notary Public, personally appeared			
	Mei-Mei Tsai		
	to be the person(s) the within instrum she/they executed capacity(ies), and the instrument the	on the basis of satisfact whose name(s) is/are sent and acknowledged the same in his/her/the that by his/her/their signerson(s), or the entity n(s) acted, executed the	subscribed to o me that he/ ir authorized gnature(s) on upon behalf
	•	ENALTY OF PERJUR of California that the of correct.	
	WITNESS my han	d and official seal.	
Place Notary Seal Above	Signature:		

ASSIGNMENT

Jeonghoon Sun, 4992 35th Street, San Diego, California, USA 92116
Seog Joon Han, 2645 Fallcreek Court, Simi Valley, California, USA 93063
Susie M. Harris, 197 Los Vientos Dr., Newbury Park, California, USA 91320
Randal R. Ketchem, 6332 152nd Street SE, Snohomish, Washington USA 98296
Ji Lu, 1874 Brush Oak Court, Thousand Oaks, California, USA 91320
Mark L. Michaels, 5007 Texhoma Avenue, Encino, California, USA 91316
Marc W. Retter, 316 Canyon Crest Drive, Simi Valley, California, USA 93065
Mei-Mei Tsai, 87 East Gainsborough Road, Thousand Oaks, California, USA 91360

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

VARIANT Fc-POLYPEPTIDES WITH ENHANCED BINDING TO THE NEONATAL FC RECEPTOR

which is found in:

US Application Serial No. <u>14/367,183</u>; which is the US national stage entry of International Application No. <u>PCT/US12/70146</u> filed <u>December 17, 2012</u>; which claims the benefit of U.S. Provisional Application Nos. <u>61/578,780</u> filed <u>December 21, 2011</u>; <u>61/585,993</u> filed <u>January 12, 2012</u>; and <u>61/729,050</u> filed <u>November 21, 2012</u>.

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

Now, therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto AMGEN INC., its successors and assigns (collectively "ASSIGNEE") ASSIGNOR'S entire right, title and interest in, to and under the Application, and any provisional application(s) from which Application is derived, and all priority rights to which the Application may be entitled, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for such inventions, or any of them, including divisional, continuation, continuation-in-part, substitute, reissue, and/or reexamination applications based on the above identified Application, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by ASSIGNEE for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, and any extensions

1

thereof, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment and sale not been made.

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

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

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

For ASSIGNOR and for ASSIGNOR'S heirs, successors and legal representatives, ASSIGNOR further covenants and agrees with ASSIGNEE that upon request ASSIGNOR and ASSIGNOR'S heirs, successors and legal representatives will: (i) execute continuing, divisional, substitute, reexamination, and/or reissue applications, amended specifications, or rightful declarations or oaths; (ii) communicate to ASSIGNEE any facts known to ASSIGNOR or ASSIGNOR'S heirs, successors and legal representatives relating to such inventions or the history thereof; (iii) execute preliminary statements and testify in any interference proceedings or litigation; (iv) execute and deliver any application papers, assignments, or other instruments; and (v) do all other acts which, in the opinion of counsel for ASSIGNEE, may be necessary or desirable to secure the grant of Letters Patent to ASSIGNEE or its nominees, in the United States and in all other countries where ASSIGNEE may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for ASSIGNEE and to vest and confirm in ASSIGNEE or its nominees the full and complete legal and equitable title to all such Letters Patent, without further consideration than that now paid at the expense of ASSIGNEE.

In Witness Whereof I have executed	this assignment on		2014.
		(Month, Day)	(Year)
Jeonghoon Sun			
(Name of Inventor)		(Signature of Inver	ntor)
UNITI	ED STATES OF AMI	ERICA	
State of California			
County of			
On	_ before me,		
Notary Public, personally appeared			
	Jeonghoon Sun		
	to be the person(s) the within instrume she/they executed capacity(ies), and the instrument the	on the basis of satisfact whose name(s) is/are ent and acknowledged t the same in his/her/the that by his/her/their sig- person(s), or the entity n(s) acted, executed the	subscribed to to me that he/ fir authorized gnature(s) on upon behalf
		ENALTY OF PERJUR of California that the of correct.	
	WITNESS my han	d and official seal.	
Place Notary Seal Above	Signature:		

In Witness Whereof I have executed t	his assignment on /o - 3/ -// 2014. (Month, Day) (Year)
Seog Joon Han	- Am Sighern (Signature de Payantan)
(Name of Inventor)	(Signature of Inventor)
UNITE	CD STATES OF AMERICA
State of California County of Ventura On October 31, 2014 Notary Public, personally appeared	before me, Debru Lyon Merrill,
	Seog Joon Han
DEBRA LYNN MERRILL Commission # 2047631 Notary Public - California Ventura County My Comm. Expires Nov 1, 2017	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is are subscribed to the within instrument and acknowledged to me that he she/they executed the same in his/her/their authorized capacity(ies), and that by his her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
	WITNESS my hand and official seal.
Place Notary Seal Above	Signature: Weber Ty Meril

4

(Month, Day) (Ye	ear)
Susie M. Harris (Name of Inventor) (Signature of Inventor)	
UNITED STATES OF AMERICA	
State of California County of Ventura On Octobu 31, 2014 before me, Desca Lynn Merrill Notary Public, personally appeared	
Susie M. Harris	
who proved to me on the basis of satisfactory evider to be the person(s) whose name(s) are subscribed the within instrument and acknowledged to me that the instrument in the person(s), and that by his her their authorizes capacity(ies), and that by his her their signature(s) the instrument the person(s), or the entity upon behow of which the person(s) acted, executed the instrument laws of the State of California that the foregoing paragraph is true and correct.	to he/>zed on half nt.
WITNESS my hand and official seal. Signature: Signature:	3

In Witness Whereof I have	e executed this assignment or	(Month, Day)	2014. (Year)
Randal R. Ke	tchem		
(Name of Inv	rentor)	(Signature of Inve	ntor)
	UNITED STATES OF	AMERICA	
State of Washington County of King	} ss:		
On personally appeared	before me, a Notary Publi	c in and for the State of Wa	ashington,
	Randal R. Ketc	nem	
	Randal R. Ketcher and said person instrument and ac	w or have satisfactory evide notes in is the person who appea acknowledged that (he/sheknowledged it to be (his the uses and purposes me	red before me, e) signed this /her) free and
	WITNESS my han	d and official seal.	
	Nota	y Public	
	Мус	ommission expires	
			20

In Witness Whereof I have executed	this assignment on October 3 2014. (Month, Day) (Year)
Ji Lu	
(Name of Inventor)	(Signature of Inventor)
UNIT	TED STATES OF AMERICA
State of California	
County of Ventura	
On October 31, 2014 Notary Public, personally appeared	before me, <u>Desra Lynn Menrill</u> , Ji Lu
DEBRA LYNN MERRILL Commission # 2047631 Notary Public - California Ventura County My Comm. Expires Nov 1, 2017	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the
	laws of the State of California that the foregoing paragraph is true and correct.
	WITNESS my hand and official seal.
Place Notary Seal Above	Signature: Lesa Ly Merrell

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In Witness Whereof I have executed	this assignment on /O·Z 9 2014. (Month, Day) (Year)
Mark L. Michaels (Name of Inventor)	Signature of Inventor)
,	ED STATES OF AMERICA
State of California County of Ventura On Octobre 29, 2014 Notary Public, personally appeared	before me, <u>Debralynn Merrill</u> ,
	Mark L. Michaels
DEBRA LYNN MERRILL Commission # 2047631 Notary Public - California Ventura County My Comm. Expires Nov 1, 2017	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (s) are subscribed to the within instrument and acknowledged to me that he she/they executed the same in his her/their authorized capacity(ies), and that by his her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
	WITNESS my hand and official seal.
Place Notary Seal Above	Signature: Deble Ly Meull

In Witness Whereof I have executed	this assignment on		2014.
	<u> </u>	(Month, Day)	(Year)
Marc W. Retter			
(Name of Inventor)		(Signature of Inventor	r)
UNIT	ED STATES OF AMI	ERICA	
State of California			
County of			
On	_ before me,		,
Notary Public, personally appeared			
	Marc W. Retter		
	to be the person(s) the within instrume she/they executed capacity(ies), and the instrument the	on the basis of satisfactory whose name(s) is/are subtent and acknowledged to not the same in his/her/their signature that by his/her/their signature person(s), or the entity up n(s) acted, executed the instantiant.	scribed to ne that he/ authorized ture(s) on oon behalf
	_	ONALTY OF PERJURY of California that the ad correct.	
	WITNESS my hand	d and official seal.	
Place Notary Seal Above	Signature:	,	•

In Witness Whereof I have executed t	this assignment on $10-31-2014$ 2014.
	(Month, Day) (Year)
Mei-Mei Tsai	m: m. fe.
(Name of Inventor)	(Signature of Inventor)
UNITE	ED STATES OF AMERICA
State of California County of Ventura	
On Oct Ober 31,2014 Notary Public, personally appeared	before me, Desra Lynn Messill,
	Mei-Mei Tsai
DEBRA LYNN MERRILL Commission # 2047631 Notary Public - California Ventura County My Comm. Expires Nov 1, 2017	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is are subscribed to the within instrument and acknowledged to me that he/ she they executed the same in his her their authorized capacity(ies), and that by his her their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
	WITNESS my hand and official seal.
Place Notary Seal Above	Signature: Lessen Ly Meulo

ASSIGNMENT

Whereas, I/we,	Jeonghoon Sun, 4992 35th Street, San Diego, California, USA 92116
	Seog Joon Han, 2645 Fallcreek Court, Simi Valley, California, USA 93063
	Susie M. Harris, 197 Los Vientos Dr., Newbury Park, California, USA 91320
	Randal R. Ketchem, 6332 152nd Street SE, Snohomish, Washington USA 98296
	Ji Lu, 1874 Brush Oak Court, Thousand Oaks, California, USA 91320
	Mark L. Michaels, 5007 Texhoma Avenue, Encino, California, USA 91316
	Marc W. Retter, 316 Canyon Crest Drive, Simi Valley, California, USA 93065
	Mei-Mei Tsai, 87 East Gainsborough Road, Thousand Oaks, California, USA 91360

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

VARIANT Fc-POLYPEPTIDES WITH ENHANCED BINDING TO THE NEONATAL FC RECEPTOR

which is found in:

US Application Serial No. <u>14/367,183</u>; which is the US national stage entry of International Application No. <u>PCT/US12/70146</u> filed <u>December 17, 2012</u>; which claims the benefit of U.S. Provisional Application Nos. <u>61/578,780</u> filed <u>December 21, 2011</u>; <u>61/585,993</u> filed <u>January 12, 2012</u>; and <u>61/729,050</u> filed <u>November 21, 2012</u>.

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

Now, therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto AMGEN INC., its successors and assigns (collectively "ASSIGNEE") ASSIGNOR'S entire right, title and interest in, to and under the Application, and any provisional application(s) from which Application is derived, and all priority rights to which the Application may be entitled, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for such inventions, or any of them, including divisional, continuation, continuation-in-part, substitute, reissue, and/or reexamination applications based on the above identified Application, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by ASSIGNEE for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, and any extensions

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thereof, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment and sale not been made.

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

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

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

For ASSIGNOR and for ASSIGNOR'S heirs, successors and legal representatives, ASSIGNOR further covenants and agrees with ASSIGNEE that upon request ASSIGNOR and ASSIGNOR'S heirs, successors and legal representatives will: (i) execute continuing, divisional, substitute, reexamination, and/or reissue applications, amended specifications, or rightful declarations or oaths; (ii) communicate to ASSIGNEE any facts known to ASSIGNOR or ASSIGNOR'S heirs, successors and legal representatives relating to such inventions or the history thereof; (iii) execute preliminary statements and testify in any interference proceedings or litigation; (iv) execute and deliver any application papers, assignments, or other instruments; and (v) do all other acts which, in the opinion of counsel for ASSIGNEE, may be necessary or desirable to secure the grant of Letters Patent to ASSIGNEE or its nominees, in the United States and in all other countries where ASSIGNEE may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for ASSIGNEE and to vest and confirm in ASSIGNEE or its nominees the full and complete legal and equitable title to all such Letters Patent, without further consideration than that now paid at the expense of ASSIGNEE.

In Witness Whereof I have executed to	this assignment on		2014.
	<u> </u>	(Month, Day)	(Year)
Jeonghoon Sun			
(Name of Inventor)	-	(Signature of Inven	tor)
UNITE	ED STATES OF AMI	ERICA	
State of California			
County of			
On	before me,		
Notary Public, personally appeared			
	Jeonghoon Sun		
	to be the person(s) the within instrume she/they executed capacity(ies), and the instrument the	on the basis of satisfact whose name(s) is/are sent and acknowledged to the same in his/her/the that by his/her/their sig person(s), or the entity n(s) acted, executed the	subscribed to o me that he/ ir authorized gnature(s) on upon behalf
		ENALTY OF PERJUR of California that the nd correct.	
	WITNESS my han	d and official seal.	
Place Notary Seal Above	Signature:		

In Witness Whereof I have executed this assignment on			2014.
		(Month, Day)	(Year)
Seog Joon Han			
(Name of Inventor)		(Signature of Inven	itor)
UNITI	ED STATES OF AM	ERICA	
State of California			
County of Ventura			
On	_ before me,		
Notary Public, personally appeared			
	Seog Joon Han		
	to be the person(s) the within instrum she/they executed capacity(ies), and the instrument the	on the basis of satisfact) whose name(s) is/are sent and acknowledged the same in his/her/the that by his/her/their signerson(s), or the entity n(s) acted, executed the	subscribed to o me that he/ ir authorized gnature(s) on upon behalf
	_	ENALTY OF PERJUR of California that the third correct.	
	WITNESS my han	nd and official seal.	
Place Notary Seal Above	Signature:		_

In Witness Whereof I have executed t	his assignment on	(Month Day)	2014.
		(Month, Day)	(Year)
Susie M. Harris			
(Name of Inventor)		(Signature of Invent	or)
UNITE	CD STATES OF AM	ERICA	
State of California			
County of Ventura			
On	before me,		
Notary Public, personally appeared			
	Susie M. Harris		1 TO 1 TO 1
	to be the person(s) the within instrum she/they executed capacity(ies), and the instrument the	on the basis of satisfactors) whose name(s) is/are so ent and acknowledged to the same in his/her/their that by his/her/their signerson(s), or the entity n(s) acted, executed the interpretation of the same in his/her/their signerson(s).	ubscribed to me that he r authorized nature(s) or upon behal
	•	ENALTY OF PERJURY of California that the nd correct.	
	WITNESS my han	d and official seal.	
Place Notary Seal Above	Signature:	711	

In Witness Whereof I have execute	ed this assignment on	Ochber 28 (Month, Day)	_ 2014. (Year)
Randal R. Ketchem		D-	
(Name of Inventor)		(Signature of Invento	r)
UNI	TED STATES OF A	MERICA	
State of Washington			
County of King	SS:		
On Oct. 28, 3014 before personally appeared	e me, a Notary Public Randal R. Ketche	in and for the State of Washi	ngton,
	Turida II. II.	/11	
	Randal R. Ketchem and said person ac instrument and ack	or have satisfactory evidence is the person who appeared eknowledged that (he/she) mowledged it to be (his/he ne uses and purposes mention	before me, signed this r) free and
KATHLEEN F. PRINDLE	WITNESS my hand	and official seal.	
STATE OF WASHINGTON NOTARY PUBLIC MY COMMISSION EXPIRES 05-17-17	Notary	HALOUP Public	
	My con	mmission expires	
	<u> 4n</u>	ay 17,	2017

In Witness Whereof I have executed this assignment on		2014.	
		(Month, Day)	(Year)
Ji Lu			
(Name of Inventor)		(Signature of Inven	tor)
UNITE	D STATES OF AMI	ERICA	
State of California			
County of Ventura			
On	before me,		,
Notary Public, personally appeared			
	Ji Lu		
	to be the person(s) the within instrum- she/they executed capacity(ies), and the instrument the	on the basis of satisfact) whose name(s) is/are sent and acknowledged the same in his/her/the that by his/her/their signerson(s), or the entity n(s) acted, executed the	subscribed to o me that he/ ir authorized gnature(s) on upon behalf
	· ·	ENALTY OF PERJUR of California that the of correct.	
	WITNESS my han	nd and official seal.	
Place Notary Seal Above	Signature:		

In Witness Whereof I have executed this assignment			2014.
		(Month, Day)	(Year)
Mark L. Michaels			
(Name of Inventor)		(Signature of Inven	tor)
UNITI	ED STATES OF AM	ERICA	
State of California			
County of Ventura			
On	_ before me,		>
Notary Public, personally appeared			
	Mark L. Michaels		
	to be the person(s) the within instrum she/they executed capacity(ies), and the instrument the	on the basis of satisfact) whose name(s) is/are seent and acknowledged to the same in his/her/the that by his/her/their sign experson(s), or the entity on(s) acted, executed the	subscribed to o me that he/ ir authorized gnature(s) on upon behalf
	•	ENALTY OF PERJUR e of California that the and correct.	
	WITNESS my har	nd and official seal.	
Place Notary Seal Above	Signature:		

In Witness Whereof I have executed the	his assignment on		2014.
	-	(Month, Day)	(Year)
Marc W. Retter			
(Name of Inventor)		(Signature of Inver	ntor)
UNITE	D STATES OF AM	ERICA	
State of California			
County of			
On	before me,	·····	
Notary Public, personally appeared			
	Marc W. Retter		
	to be the person(s) the within instrum she/they executed capacity(ies), and the instrument the	on the basis of satisface) whose name(s) is/are tent and acknowledged the same in his/her/their site person(s), or the entity on(s) acted, executed the	subscribed to to me that he/ eir authorized gnature(s) on upon behalf
	-	ENALTY OF PERJUF e of California that t and correct.	
	WITNESS my har	nd and official seal.	
Place Notary Seal Above	Signature:		

In Witness Whereof I have executed this assignment on			2014.
		(Month, Day)	(Year)
Mei-Mei Tsai			
(Name of Inventor)		(Signature of Inver	ntor)
UNITE	D STATES OF AM	ERICA	
State of California			
County of Ventura			
On	before me,		
Notary Public, personally appeared			
	Mei-Mei Tsai		
	to be the person(s) the within instrum she/they executed capacity(ies), and the instrument the	on the basis of satisfact) whose name(s) is/are ent and acknowledged the same in his/her/their sit person(s), or the entity n(s) acted, executed the	subscribed to to me that he/ cir authorized gnature(s) on upon behalf
	•	ENALTY OF PERJUR e of California that to nd correct.	
	WITNESS my han	nd and official seal.	
Place Notary Seal Above	Signature:		

ASSIGNMENT

Whereas, I/we,	Jeonghoon Sun, 4992 35th Street, San Diego, California, USA 92116		
	Seog Joon Han, 2645 Fallcreek Court, Simi Valley, California, USA 93063		
	Susie M. Harris, 197 Los Vientos Dr., Newbury Park, California, USA 91320		
	Randal R. Ketchem, 6332 152nd Street SE, Snohomish, Washington USA 98296		
	Ji Lu, 1874 Brush Oak Court, Thousand Oaks, California, USA 91320		
	Mark L. Michaels, 5007 Texhoma Avenue, Encino, California, USA 91316		
	Marc W. Retter, 316 Canyon Crest Drive, Simi Valley, California, USA 93065		
	Mei-Mei Tsai, 87 East Gainsborough Road, Thousand Oaks, California, USA 91360		

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

VARIANT Fc-POLYPEPTIDES WITH ENHANCED BINDING TO THE NEONATAL Fc RECEPTOR

which is found in:

US Application Serial No. 14/367,183; which is the US national stage entry of International Application No. PCT/US12/70146 filed December 17, 2012; which claims the benefit of U.S. Provisional Application Nos. 61/578,780 filed December 21, 2011; 61/585,993 filed January 12, 2012; and 61/729,050 filed November 21, 2012.

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1

thereof, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment and sale not been made.

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

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

For ASSIGNOR and for ASSIGNOR'S heirs, successors and legal representatives, ASSIGNOR further covenants and agrees with ASSIGNEE that upon request ASSIGNOR and ASSIGNOR'S heirs, successors and legal representatives will: (i) execute continuing, divisional, substitute, reexamination, and/or reissue applications, amended specifications, or rightful declarations or oaths; (ii) communicate to ASSIGNEE any facts known to ASSIGNOR or ASSIGNOR'S heirs, successors and legal representatives relating to such inventions or the history thereof; (iii) execute preliminary statements and testify in any interference proceedings or litigation; (iv) execute and deliver any application papers, assignments, or other instruments; and (v) do all other acts which, in the opinion of counsel for ASSIGNEE, may be necessary or desirable to secure the grant of Letters Patent to ASSIGNEE or its nominees, in the United States and in all other countries where ASSIGNEE may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for ASSIGNEE and to vest and confirm in ASSIGNEE or its nominees the full and complete legal and equitable title to all such Letters Patent, without further consideration than that now paid at the expense of ASSIGNEE.

Witness Whereof I have executed t	this assignment on	(Month, Day)	2014. (Year)
Jeonghoon Sun			
(Name of Inventor)		(Signature of Inven	tor)
UNITE	ED STATES OF AM	IERICA	
tate of California			
ounty of			
n	_ before me,		
otary Public, personally appeared			
	Jeonghoon Sun		
	to be the person(s the within instrum she/they executed capacity(ies), and the instrument the	e on the basis of satisfacts) whose name(s) is/are soment and acknowledged to the same in his/her/the that by his/her/their sign person(s), or the entity on(s) acted, executed the	subscribed to o me that he ir authorized gnature(s) or upon behal
	•	PENALTY OF PERJUR te of California that the and correct.	
	WITNESS my ha	nd and official seal.	
Place Notary Seal Above	Signature:		

In Witness Whereof I have executed t	Witness Whereof I have executed this assignment on		2014.
	•	(Month, Day)	(Year)
Seog Joon Han			
(Name of Inventor)		(Signature of Inver	ntor)
UNITE	CD STATES OF AM	ERICA	
State of California			
County of Ventura			
On	_ before me,		,
Notary Public, personally appeared			
	Seog Joon Han		
	to be the person(s) the within instrum she/they executed capacity(ies), and the instrument the	on the basis of satisfact) whose name(s) is/are ent and acknowledged to the same in his/her/their that by his/her/their signals, or the entity en(s) acted, executed the	subscribed to to me that he/ cir authorized gnature(s) on upon behalf
	· · · · · · · · · · · · · · · · · · ·	ENALTY OF PERJUR of California that the theorem of the correct.	
	WITNESS my har	nd and official seal.	
Place Notary Seal Above	Signature:		

In Witness Whereof I have executed	this assignment on	(Month, Day)	2014. (Year)
Susie M. Harris			
(Name of Inventor)		(Signature of Invent	or)
UNIT	ED STATES OF AM	ERICA	
State of California			
County of Ventura			
On	before me,		,
Notary Public, personally appeared			
	Susie M. Harris	PARTIE I	
	to be the person(s) the within instrum she/they executed capacity(ies), and the instrument the	on the basis of satisfactors) whose name(s) is/are so that and acknowledged to the same in his/her/their that by his/her/their sign person(s), or the entity on(s) acted, executed the interpretation of the same in his/her/their sign acted.	ubscribed to me that he/ r authorized nature(s) on upon behalf
	•	ENALTY OF PERJURY of California that the and correct.	
	·	nd and official seal.	
Place Notary Seal Above			19.94

In Witness Whereof I have	executed this assig	(Month, Day)	2014. (Year)	
Randal R. Keto	hem			
(Name of Inventor)		(Signature of Inventor)		
	UNITED STA	TES OF AMERICA		
State of Washington County of King	} ss:			
Onpersonally appeared	before me, a Not	ary Public in and for the State of W	Vashington,	
	Randa	R. Ketchem		
	Randal R and said instrumen	nat I know or have satisfactory evidence. Ketchem is the person who apperent person acknowledged that (he/s) that and acknowledged it to be (he act for the uses and purposes must.	eared before me, he) signed this is/her) free and	
	WITNES	S my hand and official seal.		
		Notary Public		
		My commission expires		
			20	

n Witness Whereof I have executed this assignment on			2014.	
		(Month, Day)	(Year)	
Ji Lu				
(Name of Inventor)		(Signature of Inven	tor)	
UNITE	D STATES OF AM	ERICA		
State of California				
County of Ventura				
On	before me,		·,	
Notary Public, personally appeared				
	Ji Lu			
	to be the person(s) the within instrum she/they executed capacity(ies), and the instrument the	on the basis of satisfact whose name(s) is/are sent and acknowledged to the same in his/her/their that by his/her/their sig person(s), or the entity n(s) acted, executed the	subscribed to o me that he/ ir authorized anature(s) on upon behalf	
	•	ENALTY OF PERJUR e of California that the nd correct.		
	WITNESS my han	d and official seal.		
Place Notary Seal Above	Signature:			

In Witness Whereof I have executed	this assignment on		2014.
		(Month, Day)	(Year)
Mark L. Michaels			
(Name of Inventor)		(Signature of Invent	or)
UNIT	ED STATES OF AMI	ERICA	
State of California			
County of Ventura			
On	_ before me,		,
Notary Public, personally appeared			
	Mark L. Michaels		700111
	to be the person(s) the within instrume she/they executed capacity(ies), and the instrument the	on the basis of satisfactor whose name(s) is/are seent and acknowledged to the same in his/her/their that by his/her/their sign person(s), or the entity n(s) acted, executed the interpretation of the property of the proper	ubscribed to me that he/ r authorized nature(s) on upon behalf
		ENALTY OF PERJURY of California that the ond correct.	
	WITNESS my han	d and official seal.	
Place Notary Seal Above	Signature:		

In Witness Whereof I have executed t	this assignment on November 3 2014. (Month, Day) (Year)
Marc W. Retter (Name of Inventor)	Muc W Retty (Signature of Inventor)
UNITE	CD STATES OF AMERICA
State of California County of Ventura	
On Nov 3rd 2014 Notary Public, personally appeared	before me, A-G-Barhergh,
	Marc W. Retter
	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/ate subscribed to the within instrument and acknowledged to me that he/ske/they executed the same in his/her/their authorized capacity(jes), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
A. G. BARHAGH Commission # 1965972 Notary Public - California Ventura County My Comm. Expires Feb 4, 2016	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. WITNESS my hand and official seal.
Place Notary Seal Above	Signature: A. G. Barhagh

In Witness Whereof I have executed this assignment on		2014.	
		(Month, Day)	(Year)
Mei-Mei Tsai			
(Name of Inventor)		(Signature of Inven	tor)
UN	ITED STATES OF AM	ERICA	
State of California			
County of Ventura			
On	before me,		
Notary Public, personally appeare	d		
	Mei-Mei Tsai		
	to be the person(s the within instrum she/they executed capacity(ies), and the instrument the of which the person	e on the basis of satisfact b) whose name(s) is/are so thent and acknowledged to the same in his/her/the that by his/her/their sig the person(s), or the entity on(s) acted, executed the ENALTY OF PERJUR	subscribed to o me that he/ ir authorized gnature(s) on upon behalf instrument.
	•	e of California that the	
	WITNESS my har	nd and official seal.	
Place Notary Seal Above	Signature:		

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