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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Qiufen XUE	02/13/2007
Brian K. ALBRECHT	02/15/2007
Denise Lyn ANDERSEN	02/13/2007
Michael D. BARTBERGER	02/13/2007
James BROWN	02/13/2007
Ryan BROWN	02/15/2007
Stuart C. CHAFFEE	02/22/2007
Yuang CHENG	02/13/2007
Michael CROGHAN	03/02/2007
Russell GRACEFFA	02/12/2007
Scott HARRIED	03/02/2007
Stephen HITCHCOCK	02/07/2007
Randall HUNGATE	03/02/2007
Ted JUDD	02/13/2007
Matthew KALLER	02/13/2007
Charles KREIMAN	02/15/2007
Daniel LA	02/15/2007
Patricia LOPEZ	02/13/2007
Craig E. MASSE	02/15/2007
Holger MONENSCHEIN	02/13/2007
Thomas NGUYEN	02/13/2007
Thomas NIXEY	02/07/2007
Vinod F. PATEL	02/09/2007
Lewis PENNINGTON	03/02/2007
Matthew WEISS	02/15/2007
Bryant YANG	02/16/2007
Wenge ZHONG	02/13/2007

RECEIVING PARTY DATA

PATENT "
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li i	u l
Name:	Amgen Inc.
Street Address:	One Amgen Center Drive
Internal Address:	Patent Operations, M/S 28-2-C
City:	Thousand Oaks
State/Country:	CALIFORNIA
Postal Code:	91320-1799

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11599901

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: A-1050-US-NP/GPR

NAME OF SUBMITTER: Anne Hosier

Total Attachments: 116

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ASSIGNMENT

Whereas.	we, Qiufen Xue, 5018 Via Mesita, Newbury Park, California, 91320, US
Brian K. A	Ibrecht, 179 Chestnut Street, #2, Cambridge, Massachusetts, 02139, US
Denise Ly	n Andersen, 253 Goldenwood Circle, Simi Valley, California, 93065
Michael D	. Bartberger, 4471 Ventura Canyon Ave. #D-105, Sherman Oaks, 91423, California, US
James Br	own, 4438 Appleglen Court, Moorepark, California, 93021,US
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	, 124 Park Street #3, Brookline, Massachusetts, 02446, US
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Thomas	Nguyen, 468 Calle Veracruz, Thousand Oaks, California, 91320, US
	Nixey, 4554 Via Laguna, Newbury Park, California, 91320
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	nnington, 177 Poli Street, Ventura, California, 93001, US
	Weiss, 171 Marlborough Street #1, Boston, Massachusetts, 02116, US
	ang, 637 Warrendale Avenue, Simi Valley, California, 93065, US
Mongo 7	hong, 2921 Venezia Lane, Thousand Oaks, California, 91362, US
- vvenge z	Holly, 2321 Veriezia Edilo, Thoasand Sano, Gamerna, Steel, 35
entitled	ation which is the subject of an application for Letters Patent of the United States ("Application") ECRETASE MODULATORS AND METHODS OF USE
DL IA-3	CONCINCE MICHOEATORO AND MICHIODO OF COL
which is found in:	
☐ (a)	the US Patent Application executed on even date herewith; [which claims the benefit of U.S. Provisional Application Nofiled]
(b)	the US Patent Application executed on [which claims the benefit of U.S. Provisional Application No filed]
⊠ (c)	US Application Serial No.: 11/599,901 filed on 14 Nov 2006
	which claims the benefit of U.S. Provisional Application No. 60/738,766, filed 21 November 2005.
☐ (d)	US Patent No.:
Whereas Drive, Thousand O	AMGEN INC., a Delaware corporation having its principal place of business at One Amgen Center aks, California 91320-1799, wishes to acquire the entire interest in all inventions disclosed in such

Now, therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell, assign, transfer and set over unto AMGEN INC., its successors and assigns (collectively "AMGEN") our entire right, title and interest in, to and under the Application, and any provisional application(s) from which Application is derived, and all priority rights to which the Application may be

entitled, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for such inventions, or any of them, including divisional, continuation, and/or continuation-in-part applications based on the above-identified Application, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by AMGEN for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

Further, we hereby sell, assign, transfer, and set over unto AMGEN our entire right, title and interest in or to the right to refer to, to access, and to control microorganism(s) or other biological material(s) related to the Application and which are deposited by us or at our direction or deposited on our behalf by Amgen, its affiliates, employees or employees of its affiliates. The transfer of such right, title and interest includes, without limitation, our unreserved and irrevocable consent and authorization to AMGEN to refer to the deposited microorganisms(s) or other biological materials(s) in the Application and the right to make available to the public the deposited material in accordance with the laws, treaties, statutes, rules, regulations and the like of the United States, all other countries, and any patent granting authority or organization.

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

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

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

in Witness Whereof I have executed	d this assignment on the	day of	20
Brian K. Albrecht		(Signature	of Inventor)
UN	ITED STATES OF AMERIC	CA	
State of			
County of Ventura \$\) ss:			20
Before me, a Notary Public for State	proved to me on the basis name is subscribed to the he/she executed the sam his/her signature on the in of which the person acted,	of satisfactory eviden within instrument and e in his/her authoriz strument the person executed the instrument	d acknowledged to me that red capacity, and that by , or the entity upon behalf
		Notary Pu	ıblic
		My commission	n expires
			20

In Witness Whereof I have execute	d this assignment on the	day of	20
Denise Lyn Andersen		(Signature of	Inventor)
UN	IITED STATES OF AMERI	CA	
State of County of Ventura ss:			20
Before me, a Notary Public for Stat	e of California, personally ap	ppeared	
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	WITNESS my hand and off	ficial seal.	
		Notary Pub	lic
		My commission	expires
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Docket No.: A-1050-US-NP In Witness Whereof I have executed this assignment on the day of Michael D. Bartberger (Signature of Inventor) **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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

		Dock	et No.: A-1050-05-NF
In Witness Whereof I have executed	d this assignment on the	day of	20
James Brown		(Signature of Ir	nventor)
. UN	ITED STATES OF AMEF	RICA	
State of County of Ventura			20
Before me, a Notary Public for State	e of California, personally a	appeared	
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	WITNESS my hand and o	official seal.	
		Notary Public	;
		My commission ex	xpires
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Docket No.: A-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Ryan Brown **UNITED STATES OF AMERICA** State of County of Ventura Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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-1050-US-NP FEBRUARY In Witness Whereof I have executed this assignment on the 22 day of Stuart C. Chaffee **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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. NOTARIAL SEMENESS my has shirley L shuler. nd and official seal. Notary Public CITY OF PHILADELPHIA PHILADELPHIA COUNTY My Commission Explies Jon 20 My commission expires

Docket No.: A-1050-US-NP day of In Witness Whereof I have executed this assignment on the (Signature of Inventor) Yuang Cheng **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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

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Docket No.: A-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Michael Croghan **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, 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-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Russell Graceffa **UNITED STATES OF AMERICA** State of County of Ventura Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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-1050-US-NP day of In Witness Whereof I have executed this assignment on the (Signature of Inventor) Scott Harried **UNITED STATES OF AMERICA** State of County of Ventura Before me, a Notary Public for State of California, 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-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Stephen Hitchcock **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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

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Docket No.: A-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Randall Hungate **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, 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-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Ted Judd **UNITED STATES OF AMERICA** State of County of Ventura Before me, a Notary Public for State of California, 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-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Matthew Kaller **UNITED STATES OF AMERICA** State of County of Ventura Before me, a Notary Public for State of California, 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
Charles Kreiman		(Signature o	f Inventor)
UNITED	STATES OF AMERIC	CA	
State of Sta			
County of Ventura \$\int \text{ss:}			20
Before me, a Notary Public for State of C	California, personally ap	peared	
nam he/s his/t	e is subscribed to the he executed the sam	within instrument and e in his/her authorize strument the person,	e to be the person whose acknowledged to me that ed capacity, and that by or the entity upon behalf nt.
WIT	NESS my hand and off	icial seal.	
		Notary Pub	olic
		My commission	expires
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Docket No.: A-1050-US-NP in Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Daniel La **UNITED STATES OF AMERICA** State of County of Ventura Before me, a Notary Public for State of California, 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

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Docket No.: A-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Patricia Lopez **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, 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-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Craig E. Masse **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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

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Docket No.: A-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Holger Monenschein **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Thomas Nguyen **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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-1050-US-NP day of In Witness Whereof I have executed this assignment on the (Signature of Inventor) Thomas Nixey **UNITED STATES OF AMERICA** State of County of Ventura Before me, a Notary Public for State of California, 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

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			Docket No.: A-1050-US-NP
In Witness Whereof I have execute	d this assignment on the	day of	20
Vinod F. Patel		(Signatu	re of Inventor)
UN	IITED STATES OF AME	RICA	
State of County of Ventura ss:			20
Before me, a Notary Public for Stat	e of California, personally	appeared	
personally known to me - OR -	name is subscribed to the he/she executed the same	ne within instrument a ame in his/her autho e instrument the pers	ence to be the person whose and acknowledged to me that brized capacity, and that by on, or the entity upon behalf ment.
	WITNESS my hand and	official seal.	
•		Notary	Public
		My commiss	sion expires

Docket No.: A-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Lewis Pennington **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, 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-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Matthew Weiss UNITED STATES OF AMERICA State of County of Ventura 20 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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

		Doo	cket No.: A-1050-US-NP
In Witness Whereof I have executed	d this assignment on the	day of	20
Bryant Yang		(Signature of	Inventor)
UN	ITED STATES OF AMER	RICA	
State of County of Ventura ss:			20
Before me, a Notary Public for State	e of California, personally a	appeared	:
personally known to me - OR -	proved to me on the basis name is subscribed to the he/she executed the sa his/her signature on the of which the person acted	e within instrument and a me in his/her authorize instrument the person,	acknowledged to me that od capacity, and that by or the entity upon behalf
	WITNESS my hand and o	official seal.	
		Notary Pub	olic
		My commission	expires

20_

Docket No.: A-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Wenge Zong **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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-1050-US-NP In Witness Whereof I have executed this assignment on the day of Qiufen Xue (Signature of Inventor) (Name of Inventor) **UNITED STATES OF AMERICA** State of California SS: County of Ventura 20 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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

ASSIGNMENT

Whereas	, we, Qiufen Xue, 5018 Via Mesita, Newbury Park, California, 91320, US				
Brian K.	Albrecht, 179 Chestnut Street, #2, Cambridge, Massachusetts, 02139, US				
Denise L	yn Andersen, 253 Goldenwood Circle, Simi Valley, California, 93065				
Michael	D. Bartberger, 4471 Ventura Canyon Ave. #D-105, Sherman Oaks, 91423, California, US				
James B	rown, 4438 Appleglen Court, Moorepark, California, 93021,US				
Ryan Bro	own, 31 Irma Avenue, Floor 2, Watertown, Massachusetts 02472, US				
Stuart C.	Chaffee, 259 South 20th Street, Apt. 3F, Philadelphia, Pennsylvania, 19103, US				
Yuang C	heng, 5329 Via Jacinto, Newbury Park, California, 91320, US				
Michael	Croghan, 233 McAfee Court, Thousand Oaks, California, 91360, US				
Russell	Graceffa, 2 Wingate Street, Hampton, New Hampshire, 03842, US				
Scott Ha	rried, 22248 Archwood Street, Woodland Hills, California, 91303, US				
Stephen	Hitchcock, 2256 Kirsten Lee Drive, Westlake Village, California, 91361, US				
Randall	Hungate, 640 W. Highland Drive, Camarillo, California 93010, US				
Ted Jud	d, 610 Geranium Lane, Unit A, Simi Valley, California, 93065, US				
Matthew	Kaller, 484 Jones Street, Ventura, California, 93003, US				
Charles	Kreiman, 49 Boylston Street, Massachusetts, 02472, US				
	a, 124 Park Street #3, Brookline, Massachusetts, 02446, US				
Patricia	Lopez, 22644 Saticoy Street, West Hills, California, 91307, US				
Craig E. Masse, 122 Hamilton Street, Apt #2, Cambridge, Massachusetts, 02139, US					
Holger Monenschein, 711 Hunt Circle, Camarillo, California, 93010, US					
Thomas	Thomas Nguyen, 468 Calle Veracruz, Thousand Oaks, California, 91320, US				
Thomas	Nixey, 4554 Via Laguna, Newbury Park, California, 91320				
Vinod F.	Patel, 3 Mossey Lane, Acton, Massachusetts, 01720, US				
Lewis P	ennington, 172 Poll Street, Ventura, California, 93001 US 3456 Arten to Ave Camprillo, CA 93010 US				
Matthew	Weiss, 171 Marlborough Street #1, Boston, Massachusetts, 02116, US				
Bryant Y	'ang, 637 Warrendale Avenue, Simi Valley, California, 93065, US				
Wenge	Zhong, 2921 Venezia Lane, Thousand Oaks, California, 91362, US				
entitled	ntion which is the subject of an application for Letters Patent of the United States ("Application") SECRETASE MODULATORS 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 Nofiledfiled]				
(b)	the US Patent Application executed on [which claims the benefit of U.S. Provisional Application No]				
⊠ (c)	US Application Serial No.: 11/599,901 filed on 14 Nov 2006				
	which claims the benefit of U.S. Provisional Application No. 60/738,766,filed 21 November 2005.				
☐ (d)	US Patent No.:				
Whereas Drive, Thousand C Application:	AMGEN INC., a Delaware corporation having its principal place of business at One Amgen Center Daks, California 91320-1799, wishes to acquire the entire interest in all inventions disclosed in such				

Now, therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell, assign, transfer and set over unto AMGEN INC., its successors and assigns (collectively "AMGEN") our entire right, title and interest in, to and under the Application, and any provisional application(s) from which Application is derived, and all priority rights to which the Application may be

entitled, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for such inventions, or any of them, including divisional, continuation, and/or continuation-in-part applications based on the above-identified Application, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by AMGEN for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

Further, we hereby sell, assign, transfer, and set over unto AMGEN our entire right, title and interest in or to the right to refer to, to access, and to control microorganism(s) or other biological material(s) related to the Application and which are deposited by us or at our direction or deposited on our behalf by Amgen, its affiliates, employees or employees of its affiliates. The transfer of such right, title and interest includes, without limitation, our unreserved and irrevocable consent and authorization to AMGEN to refer to the deposited microorganisms(s) or other biological materials(s) in the Application and the right to make available to the public the deposited material in accordance with the laws, treaties, statutes, rules, regulations and the like of the United States, all other countries, and any patent granting authority or organization.

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

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

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

In Witness Whereof I have executed	d this assignment on the	day of	20
Brian K. Albrecht		(Signature	of Inventor)
UN	IITED STATES OF AMER	RICA	
State of County of Ventura ss:			20
Before me, a Notary Public for Stat	e of Californis, personally a	appeared	
personally known to me - OR -	name is subscribed to the he/she executed the sa	e within instrument and me in his/her authoriz instrument the person	ce to be the person whose dacknowledged to me that zed capacity, and that by, or the entity upon behalfent.
	WITNESS my hand and o	official seal.	
		Notary Pu	ublic
•		My commissio	n expires
			20

In Witness Whereof I have execute	7
Denise Lyn Andersen	(Signature of Inventor)
Ul	NITED STATES OF AMERICA
State of (alicenia) County of Ventura ss:	February 13 2007
Before me, a Notary Public for Sta	ate of California, personally appeared ise Lyn Andersen
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.
CHRISTINE DENISE GRAY Commission # 1704187 Notary Public - California Ventura County MyComm. Expires Nov 11, 2010	WITNESS my hand and official seal. Notary Public My commission expires 20 10

Docket No.: A-1050-US-NP 13th day of February 20 07 In Witness Whereof I have executed this assignment on the Wyshoul d. Huttury
(Signature of Inventor) Michael D. Bartberger UNITED STATES OF AMERICA State of California
County of Ventura
State of California
State of California -ebruary 13 2007 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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 Commission # 1696909 Notary Public - California **Ventura County** My commission expires My Comm. Expires Oct 28, 2010

Docket No.: A-1050-US-NP 13th day of February In Witness Whereof I have executed this assignment on the (Signature of Inventor) James Brown **UNITED STATES OF AMERICA** State of California County of Ventura Before me, a Notary Public for State of California, personally appeared ames 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 Commission # 1704187 Notary Public - California **Ventura County** My commission expires

MyComm. Expires Nov 11, 2010

Docket No.: A-1050-US-NP day of In Witness Whereof I have executed this assignment on the (Signature of Inventor) Ryan Brown **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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-1050-US-NP day of In Witness Whereof I have executed this assignment on the (Signature of Inventor) Stuart C. Chaffee UNITED STATES OF AMERICA State of County of Ventura 20 _ Before me, a Notary Public for State of California, 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-1050-US-NP /3 day of In Witness Whereof I have executed this assignment on the (Signature of Inventor) Yuang Cheng **UNITED STATES OF AMERICA** State of Colifor State State of County of Ventura ss: February 13 2007 Before me, a Notary Public for State of California, personally appeared Yvang Chenz personally known to me - OR - Droved 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 KAREN E. PODGORNY Commission # 1696909 Notary Public - California Ventura County My Comm. Expires Oct 28, 2010 My commission expires

			Docket No.:	A-1050-US-NP
In Witness Whereof I have executed	this assignment on the	2 day of	March	20_07_
Wish ad Our share		11-00 (Sign	ature of Inventor)	
Michael Croghan		(Sign	ature of inventor)	
,	ITED STATES OF AME	RICA		
State of Agilifornia Scounty of Ventura ss:				
County of Ventura		March	7	20 017
Before me, a Notary Public for State	e of California, personally			
personally known to me - OR -	proved to me on the bas name is subscribed to the he/she executed the s his/her signature on the of which the person acte	he within instrume ame in his/her ar e instrument the p	nt and acknowled uthorized capacit erson, or the ent	ged to me that y, and that by
	WITNESS my hand and	official seal.		
KAREN E. PODGORNY Commission # 1696909 Notary Public - Californic	7	Lauer E Not	ary r as no	Lan
Ventura County My Comm. Expires Oct 28, 20	010	tudsen	nission expires	20 \ 📆

Docket No.: A-1050-US-NP day of In Witness Whereof I have executed this assignment on the (Signature of Inventor) Russell Graceffa **UNITED STATES OF AMERICA** State of County of Ventura 20 ___ Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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-1050-US-NP 2 day of March In Witness Whereof I have executed this assignment on the Scott **UNITED STATES OF AMERICA** State of California State of County of Ventura ss March 2 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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 Commission # 1696909 Notary Public - California My commission expires Ventura County My Comm. Expires Oct 28, 2010 20 (\(\frac{1}{2} \)

Docket No.: A-1050-US-NP In Witness Whereof I have executed this assignment on the Stephen Hitchcock UNITED STATES OF AMERICA february 7 20017 Before me, a Notary Public for State of California, personally appeared tephen Hitchool proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR - D 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 My commission expires Commission # 1696909 Notary Public - California

Ventura County My Comm. Expires Oct 28, 2010

Docket No.: A-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Randall Hungate **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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

Ted Judd

UNITED STATES OF AMERICA

State of Colifornia SS:

County of Ventura

Docket No.: A-1050-US-NP

In Witness Whereof I have executed this assignment on the

(Signature of Inventor)

UNITED STATES OF AMERICA

2007

2007

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2007

Before me, a Notary Public for State of California, 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.

Kouer E. Goodo Notary Public

My commission expires

October 2

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KAREN E. PODGORNY
Commission # 1696909
Notary Public - California
Ventura County
My Comm. Expires Oct 28, 2010

Docket No.: A-1050-US-NP 13 day of February 2007 In Witness Whereof I have executed this assignment on the Matthew Kaller **UNITED STATES OF AMERICA** choruary 13 20 07 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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 Commission # 1696909 Notary Public - California Ventura County My Comm. Expires Oct 28, 201 My commission expires

In Witness Whereof I have executed	this assignment on the	day of	20
Charles Kreiman		(Signature of	Inventor)
		, ,	,
UNI	TED STATES OF AMERIC	CA	
State of ss:		•	
County of Ventura \$\) ss:			20
	proved to me on the basis name is subscribed to the he/she executed the sam his/her signature on the in of which the person acted,	of satisfactory evidence within instrument and a e in his/her authorized strument the person, cexecuted the instrument	cknowledged to me that d capacity, and that by or the entity upon behal
•	WITNESS my hand and off	iciai seai.	
		Notary Publ	ic
		My commission e	expires
			20

Docket No.: A-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Daniel La UNITED STATES OF AMERICA State of County of Ventura 20 Before me, a Notary Public for State of California, 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-1050-US-NP + EBRUARY 20 07 In Witness Whereof I have executed this assignment on the いる day of Patricia Lopez UNITED STATES OF AMERICA State of Colfornia County of Ventura February 13 20 0M Before me, a Notary Public for State of California, 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 KAREN E. PODGORNY Commission # 1696909 My commission expires

Notary Public - California Ventura County My Comm. Expires Oct 28, 2010

Docket No.: A-1050-US-NP day of In Witness Whereof I have executed this assignment on the (Signature of Inventor) Craig E. Masse **UNITED STATES OF AMERICA** State of County of Ventura Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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-1050-US-NP

In Witness Whereof I have executed this assignment on the 13 day of February 20 D T

Holger Monenschein

UNITED STATES OF AMERICA

State of Califer State of California, personally appeared

Hager Monenschein

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
Commission # 1704187
Notary Public - California
Ventura County
My Comm. Expires Nov 11, 2010

My commission expires

11 20 10

Docket No.: A-1050-US-NP Feb. 13 day of In Witness Whereof I have executed this assignment on the Thomas Nguyen UNITED STATES OF AMERICA State of California County of Ventura February 13 20 0> Before me, a Notary Public for State of California, personally appeared Thomas proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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. My commission expires CHRISTINE DENISE GRAY Commission # 1704187

Notary Public - California Ventura County MyComm. Expires Nov 11, 2010

Docket No.: A-1050-US-NP 7 day of February 20 07 In Witness Whereof I have executed this assignment on the Thomas Nixey UNITED STATES OF AMERICA State of California
County of Ventura
State of California
State of California -ebruary 7 2007 Before me, a Notary Public for State of California, 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. Maren E. Poolas
Notary Public My commission expires KAREN E. PODGORNY Votober 28 20 ld Commission # 1696909 Notary Public - California

Ventura County My Comm. Expires Oct 28, 201

Docket No.: A-1050-US-NP day of In Witness Whereof I have executed this assignment on the (Signature of Inventor) Vinod F. Patel UNITED STATES OF AMERICA State of County of Ventura 20 _ Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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 Lewis Pennington	Docket No.: A-1050-US-NP the J nd day of March 20 0 7 (Signature of Inventor)
UNITED STATES OF A	AMERICA
State of California ss:	March 2 20 07
Before me, a Notary Public for State of California, person	
he/she executed the his/her signature or	e basis of satisfactory evidence to be the person whose to the within instrument and acknowledged to me that he same in his/her authorized capacity, and that by he the instrument the person, or the entity upon behalf acted, executed the instrument.
KAREN E. PODGORNY Commission # 1696909 Nofary Public - California	and official seal. Lavar E - Polanor Notary Public My commission expires
Ventura County My Comm. Expires Oct 28, 2010	October 78 2011)

Docket No.: A-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Matthew Weiss **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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-1050-US-NP 6 day of In Witness Whereof I have executed this assignment on the **Bryant Yang** UNITED STATES OF AMERICA February 1 20 00 Before me, a Notary Public for State of California, 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. James E- Charles V Notary Public V KAREN E. PODGORNY Commission # 1696909 Notary Public - California My commission expires **Ventura County** My Comm. Expires Oct 28, 2010

Docket No.: A-1050-US-NP

In Witness Whereof I have executed this assignment on the

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Wenge Zong

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Witness Whereof I have executed this assignment on the

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Wenge Zong

Wenge Zong

Wenge Zong

Witness OF AMERICA

State of California, personally appeared

Defore me, a Notary Public for State of California, 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.

WITNESS my nand and official seal.

KAREN E. PODGORNY Commission # 1696909 Notary Public - California Ventura County

My Comm. Expires Oct 28, 2010

My commission expires

(1) Otober 28 2010

Docket No.: A-1050-US-NP In Witness Whereof I have executed this assignment on the Qiufen Xue (Name of Inventor) Signature of Inventor) **UNITED STATES OF AMERICA** State of California SS: County of Ventura Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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** Commission # 1704187 Notary Public - Califor<mark>nia 🏾 🧧</mark> Ventura County My Comm. Expires Nov 11, 2010 My commission expires

ASSIGNMENT

When	reas, we, Qiufen Xue, 5018 Via Mesita, Newbury Park, California, 91320, US
	n K. Albrecht, 179 Chestnut Street, #2, Cambridge, Massachusetts, 02139, US
Deni	se Lyn Andersen, 253 Goldenwood Circle, Simi Valley, California, 93065
Mich	ael D. Bartberger, 4471 Ventura Canyon Ave. #D-105, Sherman Oaks, 91423, California, US
	es Brown, 4438 Appleglen Court, Moorepark, California, 93021,US
Ryar	n Brown, 31 Irma Avenue, Floor 2, Watertown, Massachusetts 02472, US
Stua	rt C. Chaffee, 259 South 20th Street, Apt. 3F, Philadelphia, Pennsylvania, 19103, US
	ng Cheng, 5329 Via Jacinto, Newbury Park, California, 91320, US
	ael Croghan, 233 McAfee Court, Thousand Oaks, California, 91360, US
	sell Graceffa, 2 Wingate Street, Hampton, New Hampshire, 03842, US
	t Harried, 22248 Archwood Street, Woodland Hills, California, 91303, US
	hen Hitchcock, 2256 Kirsten Lee Drive, Westlake Village, California, 91361, US
	dall Hungate, 640 W. Highland Drive, Camarillo, California 93010, US
	Judd, 610 Geranium Lane, Unit A, Simi Valley, California, 93065, US
	hew Kaller, 484 Jones Street, Ventura, California, 93003, US
	rles Kreiman, 49 Boylston Street, Massachusetts, 02472, US
	el La, 124 Park Street #3, Brookline, Massachusetts, 02446, US
	cia Lopez, 22644 Saticoy Street, West Hills, California, 91307, US
	g E. Masse, 122 Hamilton Street, Apt #2, Cambridge, Massachusetts, 02139, US
	er Monenschein, 711 Hunt Circle, Camarillo, California, 93010, US
	nas Nguyen, 468 Calle Veracruz, Thousand Oaks, California, 91320, US
	nas Nixey, 4554 Via Laguna, Newbury Park, California, 91320
	d F. Patel, 3 Mossey Lane, Acton, Massachusetts, 01720, US
	s Pennington, 177 Poli Street, Ventura, California, 93001, US
	hew Weiss, 171 Marlborough Street #1, Boston, Massachusetts, 02116, US
	nt Yang, 637 Warrendale Avenue, Simi Valley, California, 93065, US
Wen	ge Zhong, 2921 Venezia Lane, Thousand Oaks, California, 91362, US
entitled	nvention which is the subject of an application for Letters Patent of the United States ("Application") A-SECRETASE MODULATORS AND METHODS OF USE
which is found i	n:
☐ (a)	the US Patent Application executed on even date herewith; [which claims the benefit of U.S. Provisional Application No
☐ (b	the US Patent Application executed on [which claims the benefit of U.S. Provisional Application No filed]
⊠ (a	c) US Application Serial No.: 11/599,901 filed on 14 Nov 2006
	which claims the benefit of U.S. Provisional Application No. 60/738,766, filed 21 November 2005.
☐ (d	
	eas AMGEN INC., a Delaware corporation having its principal place of business at One Amgen Center d Oaks, California 91320-1799, wishes to acquire the entire interest in all inventions disclosed in such

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

PATENT REEL: 019669 FRAME: 0162

entitled, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for such inventions, or any of them, including divisional, continuation, and/or continuation-in-part applications based on the above-identified Application, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by AMGEN for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

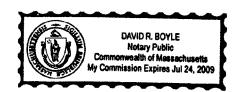
Further, we hereby sell, assign, transfer, and set over unto AMGEN our entire right, title and interest in or to the right to refer to, to access, and to control microorganism(s) or other biological material(s) related to the Application and which are deposited by us or at our direction or deposited on our behalf by Amgen, its affiliates, employees or employees of its affiliates. The transfer of such right, title and interest includes, without limitation, our unreserved and irrevocable consent and authorization to AMGEN to refer to the deposited microorganisms(s) or other biological materials(s) in the Application and the right to make available to the public the deposited material in accordance with the laws, treaties, statutes, rules, regulations and the like of the United States, all other countries, and any patent granting authority or organization.

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

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

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

In Witness Whereof I have execute	ed this assignment on the	day of _	Fæb	20 07
Brian K. Albrecht		(Signatu	ure of Inventor)	
State of Massachuse (September 1785) Size of Massachuse (Tab Size)	NITED STATES OF AME	RICA		
County of Venture (pps:		FEb	15	20
Before me, a Notary Public for State	MASSACHUS et LS te of Californis personally	appeared		
personally known to me - OR -	proved to me on the bas name is subscribed to the he/she executed the si his/her signature on the of which the person acte	ne within instrument a ame in his/her autho instrument the pers	and acknowled orized capacity on, or the ent	lged to me that y, and that by
	WITNESS my hand and	official seal. Danid K/Je Notary	ey C	
		My commiss	sion expires	4 <u>2009</u>



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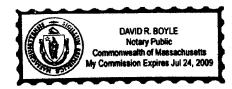
Notary Public

My commission expires

		Dock	ket No.: A-1050-US-N
In Witness Whereof I have executed	d this assignment on the	day of	20
Michael D. Bartberger		(Signature of I	nventor)
UNI	ITED STATES OF AMERIC	CA	
State of County of Ventura			20
Before me, a Notary Public for State	of California, personally app	peared	
	proved to me on the basis of name is subscribed to the value he/she executed the same his/her signature on the insoft which the person acted, e	within instrument and ac e in his/her authorized strument the person, or	knowledged to me that capacity, and that by
	WITNESS my hand and offi	cial seal.	
	-	Notary Public	
		My commission ex	pires
			20

		Do	cket No.: A-1050-US-NF
In Witness Whereof I have execut	ed this assignment on the	day of	20
James Brown		(Signature of	f Inventor)
		(eignatare ei	involuo:)
Ui	NITED STATES OF AMERIC	CA	
State of County of Ventura ss:			
County of Ventura J		,	20
Before me, a Notary Public for State	te of California, personally app	peared	
personally known to me - OR -	proved to me on the basis of name is subscribed to the whe/she executed the same his/her signature on the instead of which the person acted, executed the basis of which the person acted, executed the basis of which the person acted, executed the basis of the basis	vithin instrument and a in his/her authorized strument the person, o	cknowledged to me that capacity, and that by the entity upon behalf
	WITNESS my hand and office	ial seal.	
		Notary Public	2
		My commission ex	xpires
			20

Docket No.: A-1050-US-NP 15 _day of In Witness Whereof I have executed this assignment on the **UNITED STATES OF AMERICA** State of Massachusetts County of Ventural Middlesex FEb 15 20 07 MASSAchusetts Before me, a Notary Public for State of California, personally appeared RYANT. BrOWN 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. Danid RBoyl
Notary Public My commission expires

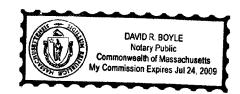


			Docket No.: A-1050-US-NF
In Witness Whereof I have execute	ed this assignment on the	day of	20
Stuart C. Chaffee		(Signatur	re of Inventor)
UN	NITED STATES OF AMER	ICA	
State of County of Ventura ss:			
			20
Before me, a Notary Public for Stat	e of California, personally a	ppeared	
personally known to me - OR -	name is subscribed to the he/she executed the san	within instrument ar ne in his/her author nstrument the perso	ence to be the person whose nd acknowledged to me that rized capacity, and that by n, or the entity upon behalf nent.
	WITNESS my hand and of	ficial seal.	
		Notary F	Public
		My commissi	on expires
			20

		Do	cket No.: A-1050-US-N
In Witness Whereof I have execute	ed this assignment on the	day of	20
Yuang Cheng		(Signature of	Inventor)
UN	NITED STATES OF AMERIC	CA	
State of County of Ventura ss:			
			20
Before me, a Notary Public for State	e of California, personally app	peared	
personally known to me - OR -	proved to me on the basis of name is subscribed to the water he/she executed the same his/her signature on the insoft which the person acted, e	within instrument and a e in his/her authorized strument the person, o	cknowledged to me that I capacity, and that by r the entity upon behalf
	WITNESS my hand and office	cial seal.	
		Notary Publi	С
		My commission e	xpires
			20

		Do	ocket No.: A-1050-US-N
In Witness Whereof I have execute	ed this assignment on the	day of	20
Michael Croghan		(Signature o	f Inventor)
UN	NITED STATES OF AMERIC	CA	
State of County of Ventura ss:			
ocumy or vortain			20
Before me, a Notary Public for Stat	e of California, personally app	peared	
personally known to me - OR -	proved to me on the basis of name is subscribed to the whe/she executed the same his/her signature on the ins of which the person acted, e	vithin instrument and a e in his/her authorized strument the person, c	acknowledged to me that d capacity, and that by or the entity upon behalf
	WITNESS my hand and office	cial seal.	
		Notary Publi	ic
		My commission e	expires
			20

Docket No.: A-1050-US-NP 12 day of In Witness Whereof I have executed this assignment on the Russell Gracef (Signature of Inventor) **UNITED STATES OF AMERICA** State of MASSAchusetts County of Ventura B Middlesex FEB 12 20 07 Before me, a Notary Public for State of Galifornia, Bersonal ersonally appeared Russell Graceffa 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. Daniel Chay Public My commission expires



		Do	ocket No.: A-1050-US-N
In Witness Whereof I have execute	ed this assignment on the	day of	20
Scott Harried		(Signature o	f Inventor)
UN	NITED STATES OF AMERI	CA	
State of County of Ventura ss:			20
Before me, a Notary Public for Stat	e of California, personally ap	ppeared	
personally known to me - OR -	proved to me on the basis name is subscribed to the he/she executed the sam his/her signature on the ir of which the person acted,	within instrument and a ne in his/her authorize nstrument the person, o	acknowledged to me that d capacity, and that by or the entity upon behalf
	WITNESS my hand and off	ficial seal.	
		Notary Pub	lic
		My commission	expires
			20

		Doo	cket No.: A-1050-US-N
In Witness Whereof I have execute	ed this assignment on the	day of	20
Stephen Hitchcock		(Signature of	Inventor)
Ut	NITED STATES OF AMERIC	CA	
State of County of Ventura ss:			
			20
Before me, a Notary Public for Stat		•	
personally known to me - OR -	proved to me on the basis of name is subscribed to the he/she executed the same his/her signature on the in- of which the person acted, e	within instrument and a e in his/her authorized strument the person, o	cknowledged to me that I capacity, and that by r the entity upon behalf
	WITNESS my hand and offi	cial seal.	
	-	Notary Publi	С
		My commission e	xpires
	•		20

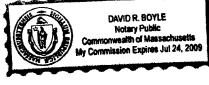
			Docket No.: A-1050-US-NI
In Witness Whereof I have execute	ed this assignment on the	day of	20
Randall Hungate		(Signature	of Inventor)
UI	NITED STATES OF AMER	RICA	
State of			
County of Ventura			20
Before me, a Notary Public for State	te of California, personally a	appeared	
personally known to me - OR -	name is subscribed to the he/she executed the sal	e within instrument and me in his/her authoriz instrument the person	ice to be the person whose d acknowledged to me that zed capacity, and that by , or the entity upon behalf ent.
	WITNESS my hand and o	fficial seal.	
		Notary Pu	ıblic
		My commission	ı expires
			20

		Doo	ket No.: A-1050-US-N
In Witness Whereof I have execute	ed this assignment on the	day of	20
Ted Judd		(Signature of	Inventor)
UM	NITED STATES OF AMERIC	CA	
State of County of Ventura ss:			
ooding of Voltain			20
Before me, a Notary Public for Stat	e of California, personally ap	peared	
personally known to me - OR -	proved to me on the basis of name is subscribed to the he/she executed the same his/her signature on the in of which the person acted, e	within instrument and ac e in his/her authorized strument the person, or	cknowledged to me that capacity, and that by the entity upon behalf
	WITNESS my hand and offi	cial seal.	
		Notary Public	·
		My commission ex	rpires
·			20

			ocket No.: A-1050-US-NF
In Witness Whereof I have executed	d this assignment on the	day of	20
Matthew Kaller		(Signature	of Inventor)
UN	ITED STATES OF AMERI	CA	
State of County of Ventura			
			20
Before me, a Notary Public for State	of California, personally ap	ppeared	
	name is subscribed to the he/she executed the sam	within instrument and ne in his/her authoriz nstrument the person,	ce to be the person whose I acknowledged to me that red capacity, and that by or the entity upon behalf
	WITNESS my hand and off	icial seal.	
		Notary Pu	blic
		My commission	n expires
			20

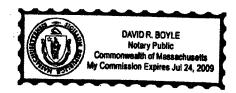
In Witness Whereof I have execute	ed this assignment on the 15 day of February 20 07
Charles Kreingr	
Charles Kreiman	(Signature of Inventor)
	NITED STATES OF AMERICA
State of MASSAchuseUs County of Ventura Middlesux	FEB 15 2007
	MASSACHUSEUS te of Galifornias personally appeared Rein
personally known 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. **Daniel Rhay!** Notary Public
	My commission expires 20 09
	DAVID R. BOYLE Notary Public Commonwealth of Massachusetts My Commission Expires Jul 24, 2009

Docket No.: A-1050-US-NP 15 day of In Witness Whereof I have executed this assignment on the DANIEL LA
Daniel La (Signature of Inventor) **UNITED STATES OF AMERICA** State of MASSAchusetts County of Ventura MASSAchusetts Before me, a Notary Public for State of California 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. Nariol RBoy L Notary Public My commission expires



			ocket No.: A-1050-US-NF
In Witness Whereof I have execute	ed this assignment on the	day of	20
Patricia Lopez		(Signature	of Inventor)
UN	NITED STATES OF AMER	RICA	
State of County of Ventura ss:			
			20
Before me, a Notary Public for Stat	te of California, personally a	appeared	
personally known to me - OR -	name is subscribed to the he/she executed the sar	e within instrument and me in his/her authorizinstrument the person	ice to be the person whose di acknowledged to me that zed capacity, and that by , or the entity upon behalfent.
	WITNESS my hand and o	fficial seal.	
		Notary Pเ	ublic
		My commission	n expires
			20

Docket No.: A-1050-US-NP 15 day of February 2007 In Witness Whereof I have executed this assignment on the MASSE CICATE Craig E. Masse **UNITED STATES OF AMERICA** State of MASSAchusetts County of Ventura 36 15 20 07 MASSAchuseUs
Before me, a Notary Public for State of California, personally appeared CRAIQ & MASSE personally known to me - OR - \Box 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. Danisk Boy Le
Notáry Public My commission expires

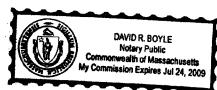


		Doo	cket No.: A-1050-US-N
In Witness Whereof I have execute	ed this assignment on the	day of	20
Holger Monenschein		(Signature of	Inventor)
UN	NITED STATES OF AMERIC	CA	
State of County of Ventura ss:			20
Before me, a Notary Public for Stat	e of California, personally app	peared	
personally known to me - OR -	proved to me on the basis of name is subscribed to the way he/she executed the same his/her signature on the ins of which the person acted, e	within instrument and a e in his/her authorized strument the person, o	cknowledged to me that capacity, and that by the entity upon behalf
	WITNESS my hand and office	cial seal.	
		Notary Public	2
		My commission ex	xpires
			20

		Do	cket No.: A-1050-US-N
In Witness Whereof I have execut	ed this assignment on the	day of	20
Thomas Nguyen		(Signature of	Inventor)
UI	NITED STATES OF AMER	ICA	
State of County of Ventura ss:			
			20
Before me, a Notary Public for State	te of California, personally ap		to be the person where
	name is subscribed to the he/she executed the sam his/her signature on the ir of which the person acted,	within instrument and a ne in his/her authorized nstrument the person, o	cknowledged to me that d capacity, and that by r the entity upon behalf
	WITNESS my hand and off	ficial seal.	
	<u>,</u>	Notary Publi	C
		My commission e	xpires
			20

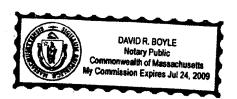
		Doo	cket No.: A-1050-US-N
In Witness Whereof I have execu	ted this assignment on the	day of	20
Thomas Nixey		(Signature of	Inventor
,		(Oignature of	mivernor)
U	NITED STATES OF AMER	RICA	
State of County of Ventura ss:			
•			20
Before me, a Notary Public for Sta	te of California, personally a	ppeared	
personally known to me - OR -	proved to me on the basis name is subscribed to the he/she executed the sar his/her signature on the i of which the person acted,	within instrument and ac me in his/her authorized instrument the person, or	cknowledged to me that capacity, and that by the entity upon behalf
	WITNESS my hand and of	fficial seal.	
	· 	Notary Public	;
		My commission ex	pires
			20

Docket No.: A-1050-US-NP 9 that day of In Witness Whereof I have executed this assignment on the VINOD F. Patel
Vinod F. Patel **UNITED STATES OF AMERICA** State of MASSAChusells County of Venturati FEb 9 20 07 MASSAChu-setts
Before me, a Notary Public for State of Galifornia, personally appeared VINOU F. 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. Waried RBs Notary Public My commission expires



			Docket No.: A-1050-US-NI
In Witness Whereof I have execut	ed this assignment on the	day of _	20
Lewis Pennington		(Signat	ture of Inventor)
			,
U	NITED STATES OF AMER	RICA	
State of County of Ventura			
		*	20
Before me, a Notary Public for State	te of California, personally a	ppeared	
personally known to me - OR -	name is subscribed to the he/she executed the sar	within instrument ne in his/her auth nstrument the pers	dence to be the person whose and acknowledged to me that orized capacity, and that by son, or the entity upon behalf ument.
	WITNESS my hand and of	ficial seal.	•
	——————————————————————————————————————	Notary	Public
		My commiss	sion expires
			20

Docket No.: A-1050-US-NP 15 day of FEBRUARY In Witness Whereof I have executed this assignment on the **UNITED STATES OF AMERICA** State of MASSAChusetts Before me, a Notary Public for State of 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. My commission expires



		Do	cket No.: A-1050-US-N
In Witness Whereof I have execut	ed this assignment on the	day of	20
Bryant Yang		(Signature of	Inventor)
•		(Olgitatal Ol	mvenor)
UI	NITED STATES OF AMERIC	CA	
State of County of Ventura ss:			
			20
Before me, a Notary Public for Stat	e of California, personally app	oeared	
personally known to me - OR -	proved to me on the basis of name is subscribed to the way he/she executed the same his/her signature on the ins of which the person acted, e	vithin instrument and ac in his/her authorized strument the person, or	cknowledged to me that capacity, and that by the entity upon behalf
	WITNESS my hand and office	cial seal.	
	•———	Notary Public	
		My commission ex	
		•	20

			Docket No.: A-1050-US-NI
In Witness Whereof I have execute	d this assignment on the	day of	20
Wenge Zong		(Signa	ture of Inventor)
UN	ITED STATES OF AMERI	ICA	
State of County of Ventura			20
Before me, a Notary Public for State	e of California, personally ap	peared	
	name is subscribed to the he/she executed the sam	within instrument le in his/her auth istrument the per	dence to be the person whose and acknowledged to me that corized capacity, and that by son, or the entity upon behalf ument.
	WITNESS my hand and off	icial seal.	
		Notary	/ Public
		My commis	sion expires

		Do	ocket No.: A-1050-US-N
In Witness Whereof I have execut	ed this assignment on the	day of	20
Qiufen Xue			
(Name of Inventor)		(Signature o	f Inventor)
U	NITED STATES OF AMEI	RICA	
State of California County of Ventura ss:			
			20
Before me, a Notary Public for Sta	te of California, personally a	appeared	
personally known to me - OR -	proved to me on the basiname is subscribed to the he/she executed the sa his/her signature on the of which the person acted	e within instrument and a me in his/her authorize instrument the person, o	acknowledged to me that d capacity, and that by or the entity upon behalf
	WITNESS my hand and o	fficial seal.	
	<u> </u>	Notary Publ	ic
		My commission e	
			20

ASSIGNMENT

Whereas, we, Qiufen Xue, 5018 Via Mesita, Newbury Park, California, 91320, US				
Brian K. Albrecht, 179 Chestnut Street, #2, Cambridge, Massachusetts, 02139, US				
Denise Lyn Andersen, 253 Goldenwood Circle, Simi Valley, California, 93065				
Michael D. Bartberger, 4471 Ventura Canyon Ave. #D-105, Sherman Oaks, 91423, California, US				
James Brown, 4438 Appleglen Court, Moorepark, California, 93021,US				
Ryan Brown, 31 Irma Avenue, Floor 2, Watertown, Massachusetts 02472, US				
Stuart C. Chaffee, 259 South 20th Street, Apt. 3F, Philadelphia, Pennsylvania, 19103, US				
Yuang Cheng, 5329 Via Jacinto, Newbury Park, California, 91320, US	_			
Michael Croghan, 233 McAfee Court, Thousand Oaks, California, 91360, US	_			
Russell Graceffa, 2 Wingate Street, Hampton, New Hampshire, 03842, US				
Scott Harried, 22248 Archwood Street, Woodland Hills, California, 91303, US	_			
Stephen Hitchcock, 2256 Kirsten Lee Drive, Westlake Village, California, 91361, US				
Randall Hungate, 640 W. Highland Drive, Camarillo, California 93010, US				
Ted Judd, 610 Geranium Lane, Unit A, Simi Valley, California, 93065, US	_			
Matthew Kaller, 484 Jones Street, Ventura, California, 93003, US	_			
Charles Kreiman, 49 Boylston Street, Massachusetts, 02472, US	_			
Daniel La, 124 Park Street #3, Brookline, Massachusetts, 02472, 03	_			
Patricia Lopez, 22644 Saticoy Street, West Hills, California, 91307, US				
Craig E. Masse, 122 Hamilton Street, Apt #2, Cambridge, Massachusetts, 02139, US	_			
Holger Monenschein, 711 Hunt Circle, Camarillo, California, 93010, US				
Thomas Nguyen, 468 Calle Veracruz, Thousand Oaks, California, 91320, US				
Thomas Nixey, 4554 Via Laguna, Newbury Park, California, 91320				
Vinod F. Patel, 3 Mossey Lane, Acton, Massachusetts, 01720, US				
Lewis Pennington, 177 Poli Street, Ventura, California, 93001, US	_			
Matthew Weiss, 171 Marlborough Street #1, Boston, Massachusetts, 02116, US				
Bryant Yang, 637 Warrendale Avenue, Simi Valley, California, 93065, US				
Wenge Zhong, 2921 Venezia Lane, Thousand Oaks, California, 91362, US				
have made an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled BETA-SECRETASE MODULATORS 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				
(b) the US Patent Application executed on [which claims the benefit of U.S. Provisional Application No filed]				
⊠ (c) US Application Serial No.: 11/599,901 filed on 14 Nov 2006				
which claims the benefit of U.S. Provisional Application No. 60/738,766,filed 21 November 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

PATENT REEL: 019669 FRAME: 0191

entitled, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for such inventions, or any of them, including divisional, continuation, and/or continuation-in-part applications based on the above-identified Application, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by AMGEN for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

Further, we hereby sell, assign, transfer, and set over unto AMGEN our entire right, title and interest in or to the right to refer to, to access, and to control microorganism(s) or other biological material(s) related to the Application and which are deposited by us or at our direction or deposited on our behalf by Amgen, its affiliates, employees or employees of its affiliates. The transfer of such right, title and interest includes, without limitation, our unreserved and irrevocable consent and authorization to AMGEN to refer to the deposited microorganisms(s) or other biological materials(s) in the Application and the right to make available to the public the deposited material in accordance with the laws, treaties, statutes, rules, regulations and the like of the United States, all other countries, and any patent granting authority or organization.

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

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

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

In Witness Whereof I have execute	ed this assignment on the	day of	20
Brian K. Albrecht		(Signature of	Inventor)
UN	NITED STATES OF AMERIC	CA	
State of County of Ventura ss:			20
Before me, a Notary Public for Stat	e of Californis, personally ap	peared	
personally known to me - OR -	proved to me on the basis name is subscribed to the he/she executed the sam his/her signature on the in of which the person acted, and with the person acted, and off	within instrument and a e in his/her authorized strument the person, o executed the instrument	cknowledged to me that I capacity, and that by r the entity upon behalf
	WITNESS my hand and offi	Notary Publi	
		my dominioolon c	20

In Witness Whereof I have execut	ed this assignment on the	day of	20
Denise Lyn Andersen		(Signature of	Inventor)
U	NITED STATES OF AMERIC	CA	
State of County of Ventura			
			20
Before me, a Notary Public for Sta	proved to me on the basis name is subscribed to the he/she executed the sam his/her signature on the in of which the person acted,	of satisfactory evidence within instrument and a e in his/her authorized strument the person, o	cknowledged to me that capacity, and that by the entity upon behalt
	WITNESS my hand and off	icial seal.	
		Notary Publi	C
		My commission e	xpires
			20

		DO	cket No.: A-1050-05-NF
In Witness Whereof I have executed	this assignment on the	day of	20
Michael D. Bartberger		(Signature o	f Inventor)
UNIT	TED STATES OF AMER	ICA	
State of County of Ventura ss:			20
Before me, a Notary Public for State	of California, personally a	ppeared	
- r r	name is subscribed to the ne/she executed the sar	within instrument and ne in his/her authorize nstrument the person,	e to be the person whose acknowledged to me that d capacity, and that by or the entity upon behalf at.
	WITNESS my hand and o	ificial seal.	
		Notary Pub	lic
		My commission	expires

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		Do	ocket No.: A-1050-US-NF
In Witness Whereof I have execute	ed this assignment on the	day of	20
James Brown		(Signature o	of Inventor)
UN	NITED STATES OF AMERI	CA	
State of County of Ventura ss:			20
Before me, a Notary Public for Stat	e of California, personally ap	ppeared	
personally known to me - OR -	proved to me on the basis name is subscribed to the he/she executed the sam his/her signature on the in of which the person acted,	within instrument and ne in his/her authorize astrument the person,	acknowledged to me that ed capacity, and that by or the entity upon behalf
	WITNESS my hand and of	ficial seal.	
		Notary Pub	olic
		My commission	expires

Docket No.: A-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Ryan Brown **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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-1050-US-NP In Witness Whereof I have executed this assignment on the day of Stuart C. Chaffee (Signature of Inventor) **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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-1050-US-NP In Witness Whereof I have executed this assignment on the day of Yuang Cheng (Signature of Inventor) **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, 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-1050-US-NP In Witness Whereof I have executed this assignment on the day of (Signature of Inventor) Michael Croghan **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, personally appeared proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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

		L	Docket No.: A-1050-US-NF
In Witness Whereof I have execute	d this assignment on the	day of	20
Russell Graceffa		(Signature	e of Inventor)
UN	IITED STATES OF AMER	RICA	
State of County of Ventura			20
Before me, a Notary Public for State	e of California, personally	appeared	
personally known to me - OR -	name is subscribed to the he/she executed the sa	e within instrument an me in his/her authori instrument the persor	nce to be the person whose ad acknowledged to me that ized capacity, and that by n, or the entity upon behalf nent.
	WITNESS my hand and o	official seal.	
		Notary P	ublic
		My commission	on expires

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		Doo	cket No.: A-1050-US-NF
In Witness Whereof I have execute	ed this assignment on the	day of	20
Scott Harried		(Signature of	Inventor)
UN	NITED STATES OF AMER	RICA	
State of County of Ventura ss:			20
Before me, a Notary Public for Stat	e of California, personally a	appeared	
personally known to me - OR -	proved to me on the basi name is subscribed to the he/she executed the sa his/her signature on the of which the person acted	e within instrument and a me in his/her authorize instrument the person, o	acknowledged to me that d capacity, and that by or the entity upon behalf
	WITNESS my hand and o	official seal.	
		Notary Pub	ic
		My commission	expires

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		Doc	Ket No.: A-1050-US-NF
In Witness Whereof I have execute	ed this assignment on the	day of	20
Stephen Hitchcock		(Signature of	Inventor)
UN	NITED STATES OF AMER	RICA	
State of County of Ventura ss:			
			20
Before me, a Notary Public for Stat	proved to me on the basi name is subscribed to th he/she executed the sa	s of satisfactory evidence e within instrument and a me in his/her authorized	cknowledged to me that capacity, and that by
		instrument the person, or instrument instrument.	
	WITNESS my hand and o	official seal.	
		Notary Publi	<u> </u>
		My commission e	xpires

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Docket No.: A-1050-US-NP

In Witness Whereof I have executed this assignment on the 2 day of Murch 20 07

Randall Hungate

UNITED STATES OF AMERICA

State of Changes
County of Ventura ss:

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

Purch 20 04

Docket No.: A-1050-US-NP

Murch 20 07

WINITED STATES OF AMERICA

State of California, personally appeared

Purch 20 04

Deprivation of 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.

Commission # 1601627 Notary Public - California San Mateo County

My Comm. Expires Aug 19, 2009

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My commission expires

		Doo	cket No.: A-1050-US-N
In Witness Whereof I have execute	ed this assignment on the	day of	20
Ted Judd	<u></u>	(Signature of	Inventor)
UN	NITED STATES OF AMER	RICA	
State of County of Ventura ss:			20
Before me, a Notary Public for Stat	e of California, personally	appeared	
personally known to me - OR -	his/her signature on the		acknowledged to me that d capacity, and that by or the entity upon behalf
	WITNESS my hand and o	official seal.	
	 	Notary Pub	lic
		My commission	expires

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		Doo	Ket No.: A-1050-05-NF
In Witness Whereof I have execute	d this assignment on the	day of	20
Matthew Kaller		(Signature of	Inventor)
mainow (and)		(Signature of	involutory
UN	IITED STATES OF AMER	RICA	
State of Sta			
County of Ventura \$\int \text{ss:}			20
Before me, a Notary Public for State	e of California, personally a	appeared	
personally known to me - OR -	proved to me on the basi name is subscribed to th he/she executed the sa his/her signature on the of which the person acted	e within instrument and a me in his/her authorized instrument the person, o	cknowledged to me that i capacity, and that by r the entity upon behalf
	WITNESS my hand and o	official seal.	
		Notary Publi	ic .
		My commission e	expires
			20

In Witness Whereof I have execute	ed this assignment on the	day of	20
Charles Kreiman		(Signature of	nventor)
UN	NITED STATES OF AME	RICA	
State of County of Ventura ss:			
County or Ventura)			20
Before me, a Notary Public for Stat	e of California, personally	appeared	
personally known to me - OR -	name is subscribed to the he/she executed the sa his/her signature on the	is of satisfactory evidence be within instrument and an ame in his/her authorized instrument the person, or d, executed the instrument.	cknowledged to me that capacity, and that by the entity upon behalf
	WITNESS my hand and	official seal.	
		Notary Public	
		My commission expires	
			20

		Do	cket No.: A-1050-US-NP
In Witness Whereof I have execute	d this assignment on the	day of	20
Daniel La		(Signature o	f Inventor)
UN	IITED STATES OF AMER	RICA	
State of County of Ventura ss:			20
Before me, a Notary Public for Stat	e of California, personally a	appeared	
personally known to me - OR -	he/she executed the sa	e within instrument and a me in his/her authorize instrument the person, o	acknowledged to me that d capacity, and that by or the entity upon behalf
	WITNESS my hand and o	official seal.	
		Notary Pub	lic
		My commission	expires

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Docket No.: A-1050-US-NP In Witness Whereof I have executed this assignment on the day of Patricia Lopez (Signature of Inventor) **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, 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-1050-US-NP In Witness Whereof I have executed this assignment on the day of 20 Craig E. Masse (Signature of Inventor) **UNITED STATES OF AMERICA** State of County of Ventura Before me, a Notary Public for State of California, 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-1050-US-NP day of In Witness Whereof I have executed this assignment on the (Signature of Inventor) Holger Monenschein **UNITED STATES OF AMERICA** State of County of Ventura Before me, a Notary Public for State of California, 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-1050-US-NP In Witness Whereof I have executed this assignment on the day of Thomas Nguyen (Signature of Inventor) **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, 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

		Doo	cket No.: A-1050-US-NF
In Witness Whereof I have execute	ed this assignment on the	day of	20
Thomas Nixey		(Signature of	Inventor)
UN	NITED STATES OF AMER	RICA	
State of County of Ventura ss:			
•			20
Before me, a Notary Public for Stat	proved to me on the basiname is subscribed to the he/she executed the sa his/her signature on the of which the person acted	s of satisfactory evidence e within instrument and a me in his/her authorized instrument the person, o	cknowledged to me that d capacity, and that by or the entity upon behalf
	WITNESS my hand and o	official seal.	
		Notary Publ	ic
		My commission e	expires

		DO	CKET NO.: A-1050-05-INF
In Witness Whereof I have executed	d this assignment on the	day of	20
Vinod F. Patel		(Signature of	Inventor)
UN	ITED STATES OF AMER	CA	
State of County of Ventura			20
Before me, a Notary Public for State	e of California, personally a	ppeared	
personally known to me - OR -	proved to me on the basis name is subscribed to the he/she executed the san his/her signature on the in of which the person acted,	within instrument and a ne in his/her authorize nstrument the person, o	acknowledged to me that d capacity, and that by or the entity upon behalf
	WITNESS my hand and of	ficial seal.	
		Notary Pub	ic
		My commission	expires

		Doci	ket No.: A-1050-US-Ni
In Witness Whereof I have executed	this assignment on the	day of	20
Lewis Pennington		(Signature of	nventor)
. UNI	TED STATES OF AMER	RICA	
State of County of Ventura ss:			
•		 	20
	proved to me on the basi- name is subscribed to the he/she executed the sa his/her signature on the	s of satisfactory evidence e within instrument and adme in his/her authorized instrument the person, or l, executed the instrument.	cknowledged to me that capacity, and that by the entity upon behalf
	WITNESS my hand and c	official seal.	
		Notary Public)
		My commission ex	kpires
			20

		Doo	cket No.: A-1050-US-Ni
In Witness Whereof I have executed this ass	ignment on the	day of	20
Matthew Weiss		(Signature of	Inventor)
UNITED ST	ATES OF AMEI	RICA	
State of County of Ventura ss:			20
Before me, a Notary Public for State of Califo	ornia, personally	appeared	
name is he/she his/her	subscribed to the executed the sa signature on the	is of satisfactory evidence e within instrument and a ame in his/her authorized instrument the person, o d, executed the instrumen	acknowledged to me that d capacity, and that by or the entity upon behalf
WITNES	S my hand and o	official seal.	
		Notary Publ	ic
		My commission e	expires

Docket No.: A-1050-US-NP In Witness Whereof I have executed this assignment on the day of Bryant Yang (Signature of Inventor) **UNITED STATES OF AMERICA** State of County of Ventura 20 Before me, a Notary Public for State of California, 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

		Do	ocket No.: A-1050-US-NF
In Witness Whereof I have execute	d this assignment on the	day of	20
Wenge Zong		(Signature o	of Inventor)
UN	IITED STATES OF AMER	ICA	
State of County of Ventura ss:			
			20
Before me, a Notary Public for State	e of California, personally a	ppeared	
personally known to me - OR -	proved to me on the basis name is subscribed to the he/she executed the san his/her signature on the in of which the person acted,	within instrument and ne in his/her authorize nstrument the person,	acknowledged to me that ed capacity, and that by or the entity upon behalf
	WITNESS my hand and of	ficial seal.	
		Notary Pub	olic
		My commission	expires
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			Docket No.: A-1050-US-NF
In Witness Whereof I have execute	d this assignment on the	day of	20
Qiufen Xue			
(Name of Inventor)		(Signa	ture of Inventor)
UN	IITED STATES OF AMER	RICA	
State of California County of Ventura			
			20
Before me, a Notary Public for Stat	e of California, personally a	appeared	
personally known to me - OR -	name is subscribed to the he/she executed the sa	e within instrument me in his/her autl instrument the per	idence to be the person whose and acknowledged to me that norized capacity, and that by son, or the entity upon behalf rument.
	WITNESS my hand and o	official seal.	
		Notar	y Public
•		My commi	ssion expires

PATENT REEL: 019669 FRAME: 0219

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RECORDED: 08/08/2007