				By Telefa	csimile: 571-273-014
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Name of conveying party Mercedes Delgado Mederos Steven Spencer Clareen; Kin Jennifer R. Riggs; Patrick W	, John Joseph Sapienza; j	Ronald J. Albers;	2. Name ar	ad address of receiving pa	
Additional name(s) of conve	ying party(jes) attached?	ian Hegde		Signal Pharmaceutica	
3. Nature of conveyance:	b p = 17 (100) ditached:	∐ Yes ⊠ No	Address:	4550 Towne Centre C San Diego, California	<u>'ourt</u>
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Country (if other than USA).		other than USA):	Zip Code: 92121		
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Other	Minimatory License				
Execution Date: <u>June 11, 20</u> 2008, August 9, 2008, July 22 2008, June 11, 2008, respectiv		2, 2008; July 22, y 22, 2008, July 29	Additional na	me(s) & address(es) attac	ched? 🗆 Yes 🗆 No
4. Application number(s) or p	atent number(s):				
If this document is being filed		ication the executi	on dota - Cu		
A. Patent Application No.(s)	11/975,657		B. Patent No.		
Name and address of party to		nal numbers attach	ed? 🗆 Yes 🛛	No	
concerning document should JONES DAY	be mailed:		6. Number of and patents	applications	
222 East 41st Street			7. Total fee (3	7 CFR 3 41): #4/	0.00
New York, New York 10	017-6702		ricase charge t	o the deposit account list	ed in Section 8.
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ATI- 2338087v1

PATENT REEL: 021455 FRAME: 0667

## TAIOL

## ASSIGNMENT

WHEREAS, WE, DEBORAH SUE MORTENSEN, a citizen of the United States, residing at 4001 Datcho Drive, San Diego, CA 92117; MARIA MERCEDES DELGADO MEDEROS, a citizen of Spain, residing at 7842 Embry Point, San Diego, CA 92126; JOHN JOSEPH SAPIENZA, a citizen of the United States, residing at 1654 Ridge Rock Court, Chula Vista, CA 91913; RONALD J. ALBERS, a citizen of the United States, residing at 6559 Comly Street, San Diego, CA 92111; STEVEN SPENCER CLAREEN, a citizen of the United States, residing at 3989 Richmond Street Apartment 102, San Diego, CA 92103; KIMBERLY LYN SCHWARZ, a citizen of the United States, residing at 4507 Chateau Dr., San Diego, CA 92117; JASON SIMON PARNES, a citizen of the United States, residing at 12511 El Camino Real C, San Diego, CA 92130; JENNIFER R. RIGGS, a citizen of the United States, residing at 2780 Flower Fields Wales Drive, Cardiff, CA 92007; PATRICK WILLIAM PAPA, a citizen of the United States, residing at 2780 Flower Fields Way, San Diego, CA 92101; SAYEE GAJANAN HEGDE, a citizen of the United States, residing at 3715 Nobel Drive, #1215, San Diego, CA 92122; and JEFFREY MARK MCKENNA, a citizen of the United Kingdom, residing at 5673 Carnegie Street, San Diego, CA 92122; ASSIGNORS, are inventors of the invention in HETEROARYL COMPOUNDS, COMPOSITIONS THEREOF, AND METHODS OF TREATMENT THEREWITH, for which we have executed an application for a Patent of the United States

	filed) the filing date and application number of said application when known.
	We hereby authorize and request attorney(s), , at Jones Day, , to insert here in parentheses (Application number,
	which was filed on October 18, 2007, Application No. 11/975,657
Ø	which is identified by Jones Day docket no. 10624-182-999
u	which is executed on  even date herewith or

and WHEREAS, SIGNAL PHARMACEUTICALS, LLC., ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date: _	6-11	, 2008	Dehx7770	
Date	7 - 22	. 2008	DEBORAH S. MORTENSEN	(L.S.)
		, 2008	MARIA MERCEDES DELGADO MEDEROS	(L.S.)
Date: _	6-12	, 2008	JOHN JOSEPH SAPTENZA	(L.S.)
Date: _	7/22	, 2008	_ 2U I. At	(L.S.)
Date: _	214/28	, 2008	RONALD J. ALGERS	(L.S.)
Date:	7/22	, 2008	STEVEN SPENCER CLAREEN KIMBERLY LYN SCHWARZ	(L.S.)
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(Page 1 of 4)

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	$\wedge$ ( )	
Date:		
7/	JASON SIMON PARNES	(L.S.)
Date:	AIRB.	
7/	JENNIBER R. BICGS	(L.S.)
Date:, 2008	11 15 h/h	45.63
1	PATRICK WILLIAM PAPA	(L.S.)
Date:, 2008	- Semoliter	(L.S.)
	SAYEE GAJANAN HEGDE	(2.0.)
Date:, 2008	JEFFREY MARK MCKENNA	(L.S.)
A		
State of SAN DIECO )SS.:		
County of San County of		
On JUNE // 2008, before me,	STOUTTA PACILEA Notary Public, personally appear	ed DEBORAH S.
he/she/they executed the same in his/her/their authorized canaci	Person(s) whose name(s) is/are subscribed to the within instrument and ty(ies), and that by his/her/their signature(s) on the instrument the person	cknowledged to me that
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I certify under PENALTY OF PERJURY under the laws of the	State of California that the foregoing paragraph is true and correct.	
	SHOLITA PACKER	
WITNESS my hand and official seal	Commission # 1551146	
Signature Shout Sal	Notary Public - California & San Diego County	
	My Comm. Expires Feb 7, 2009	
State of CALILOTAIN )		
County of Sam Dieco ) SS .:		
SILVS A JULY 22	SHOCITA PACKER Notary Public, personally appears	
DEL GADO MEDEROS, on the basis of satisfactory evidence in that he/she/there executed the basis of satisfactory evidence	to be the person(a) whose name(s) is/are subscribed to the within instrum	d MARIA MERCEDE: sent and acknowledged to
upon behalf of which the person(s) acted, executed the instrumen	to be the personal whose name(s) is/are subscribed to the within instrum capacity(ses), and that by bis/her/first signature(s) on the instrument that.	e person(s), or the entity
I certify under PENALTY OF PERJURY under the laws of the S	State of California that the foregoing paragraph is true and correct.	
WITNESS my hand and official seal 2	SHOLITA PACKER	
Signature Stolt lat	Commission # 1551146   Notary Public - California 2	
signature I war a far	San Diego County My Comm. Expires Feb 7, 2009	
0	my continue expense 7, 2009	
State of CACIADRAIN ,		
County of Saw Diew ) SS.:		
On June 12 2008 before me, =	SHOUTER PACKED NO PARK	
SAPIENZA, on the basis of satisfactory evidence to be the negro	n(s) whose remain in the same of the same	I JOHN JOSEPH
behalf of which the person(s) acted, executed the instrument.	ries), and that by his/her/their signature(s) on the instrument the persons	s), or the entity upon
I certify under PENALTY OF PERJURY under the laws of the S	tate of California that the foregoing paragraph is true and assure	
	paragraph is due and collect.	
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	Commission # 1551146 Notary Public - California	
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State of Causennia	
,	
County of DAN Klift 0)	)
	Notary Public, personally appeared RONALD J. ALBERS, subscribed to the within instrument and acknowledged to me that he/sperfacey them's ignature(s) on the instrument the person(s), or the entity upon behalf of which
l certify under PENALTY OF PERJURY under the laws of the State of Calife	omia that the foregoing paragraph is true and correct.
WITNESS my hand and official scal	SHOLITA PACKER Commission # 1551146
Signature Shout fort	Notary Public - California San Diego County
State of Cottifen N.A.)	My Comm. Expires Feb 7, 2009
County of Carl Direct SS:	TA HELEA, Notary Public, personally appeared, STEVEN SPENCER
On 2008, before me. 2008 of satisfactory evidence to be the person(s) whose ne he/spettery executed the same in his/her/therf authorized capacity(ies), and the behalf of which the person(s) acted, executed the instrument.	me(s) is/spe subscribed to the within instrument and acknowledged to me that at by his/her/their signature(s) on the instrument the person(s) or the entity upon
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	ACKER Notary Public, personally appeared JASON SIMON
PARNES on the basis of satisfactory evidence to be the person(s) whose name he/she/be/ executed the same in his/her/theff authorized capacity(ies), and that behalf of which the person(s) acted, executed the instrument.	Notary Public, personally appeared JASON SIMON  (s) is/sse subscribed to the within instrument and acknowledged to me that  by his/her/their signature(s) on the instrument the person(s), or the entity upon
I certify under PENALTY OF PERJURY under the laws of the State of Californ	nia that the foregoing paragraph is true and correct.
WITNESS my hand and official seal	
Signature Abrilt South	

**RECORDED: 08/28/2008** 

State of Concreance to
County of Sam Diece SS:
On July 12 2008, before me, Steeling Packed Notary Public, personally appeared JENNIFER R. RIGGS
on the basis of satisfactory evidence to be the person of whose name of is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
WITNESS my hand and official seal
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State of CACALANA 3
Country of Said Divines ) SS:
On July 27 2008, before me, total ITA ACKEA, Notary Public, personally appeared PATRICK  WILLIAM PAPA, on the basis of satisfactory evidence to be the person(s) whose names is not satisfactory evidence to be the person(s) whose names in his factory evidence to be the person (s)
WILLIAM PAPA, on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
WITNESS my hand and official seal
Signature Shout Par
State of CACINONNIA )
County of STN D. 1200)88:
County of SAN DIVE 11  On JUNE 11  2008, before me. Ito LIFA ACLE! Notary Public, personally appeared SAYEE CAJANAN  HEGDE, on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
1 certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
WITNESS my hand and official seal
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State of ) SS.:
County of )
On 2008, before me. Notary Public, personally appeared JEFFREY MARK
MCKENNA, on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(les), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
I certify under PENALTY OF PERIURY under the laws of the State of California that the foregoing paragraph is true and correct.
WITNESS my hand and official seal
Signature
(Page 4 of 4)