03/28/2014

Form PTO-1595 (Rev. 06-12) OMB No. 0651-0027 (exp. 04/30/2015)

United States Patent and Trademark Office

U.S. DEPARTMENT OF COMMERCE

103666818 PATENTS ONLY To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies) Xinghai Chen Name: BioNumerik Pharmaceuticals, Inc. Frederick H. Hausheer Internal Address: Attn: Scott A. Whitaker Andrey Malakhov Harry Kochat Additional name(s) of conveying party(ies) attached? 💹 Yes 👪 No Street Address: 8122 Datapoint Drive, Suite 1250 3. Nature of conveyance/Execution Date(s): Execution Date(s) November 6, 2012 Assignment Merger City: San Antonio Security Agreement Change of Name Joint Research Agreement State: TX Government Interest Assignment Country: US Executive Order 9424, Confirmatory License Other Additional name(s) & address(es) attached? 4. Application or patent number(s): This document serves as an Oath/Declaration (37 CFR 1.63). A. Patent Application No.(s) B. Patent No.(s) 13/694,255 Additional numbers attached? 6. Total number of applications and patents 5. Name and address to whom correspondence concerning document should be mailed: involved: 1 Name: BioNumerik Pharmaceuticals, Inc. 7. Total fee (37 CFR 1.21(h) & 3.41) \$ already paid Internal Address: Attn: Scott A. Whitaker Authorized to be charged to deposit account Street Address: 8122 Datapoint Drive, Suite 1250 Enclosed None required (government interest not affecting title) 8. Payment Information City: San Antonio Zip: 78229 State: TX Phone Number: 210.614.1701 Deposit Account Number 022338 Docket Number: Authorized User Name Scott A. Whitaker scott.whitaker@bnpi.com Email Address: 9. Signature: Scott A. Whitaker Total number of pages including cover sheet, attachments, and documents: Name of Person Signing Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT REEL: 032613 FRAME: 0514

Executed this		Sample Form (former PTO/SB/15) (08-03)
Whereas, I/We. Xinghai Chen, Ph.D. of San Antonio, Texas hereafter referred to as applicant, have invented certain new and useful improvements in Methods for the Total Chemical Synthesis of Enantiomerically-Pure 7-{2'-trimethylsilyi)Ethyl Camptothecin for which an application for a United States Patent was filed on Application Number B for which an application for a United States Patent was executed on November 6, 2012 and BioNumerik Whereas, Pharmaceuticals, Inc. of San Antonio, Texas here referred to "assignee" whose mailing address is 8122 Datapoint Drive, Suite 1250, San Antonio, Texas here referred to "assignee" whose mailing address is 8122 Datapoint Drive, Suite 1250, San Antonio, Texas 78229 js desirous of acquiring the entire right, title and interest in the same, Now, therefore, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell assignee the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said united States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said united States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said united States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said united States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said united States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said united States. I/We hereby authorize the provide states of	ASSIGNMENT OF APPLICATION	Docket Number (Optional)
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Whereas, Pharmaceuticals, Inc. of San Antonio, Texas	Application Number	
Whereas, Pharmaceuticals, Inc. of San Antonio, Texas	for which an application for a United States Patent was executed on No	vember 6, 2012 and
Now, therefore, in consideration of the sum of	l BioNumerik	
Now, therefore, in consideration of the sum of	to "assignee" whose mailing address is 8122 Datapoint Drive, Suite 1250, Sa	n Antonio, Texas 78229
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Signature State of Texas Signature Xinghai Chen, Ph.D. Printed Name/Registration No., if applicable Sefore me personally appeared said Xinghai Chen, Ph.D. Indiacknowledged the foregoing instrument of the LEFT and dead this will apply and dead this will apply appeared to the service of all the inventors or assignees of record with a material application of the ph.D. Signature	acknowledge, and other good and valuable consideration, I/We, the applicant(and transfer unto said assignee the full and exclusive right to the said inventior rights, title and interest in and to any and all Patents which may be granted thereby authorize and request the Director of the U.S. Patent and Trademark Patent to said assignee, of the entire right, title, and interest in and to the same for the use and behoof of his legal representatives, to the full end of the the granted, as fully and entirely as the same would have been held by me had made.	s), by these presents do sell, assign in the United States and the entire therefore in the United States. I/We Office to issue said United States are, for his sole use and behoof; and the erm for which said Patent may be this assignment and sale not been
State of Texas SS: Printed Name/Registration No., if applicable Before me personally appeared said Xinghai Chen, Ph.D. Indication and acknowledged the foregoing instrument with the inventors of assignees of record while entire inverse of their representatives are required. Submit publications if the inventors or assignees of record while entire inverse or their representatives are required. Submit publications if the inventors or assignees of record while entire inverse or their representatives are required. Submit publications if	at San Antonio, Texas	
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old: Signatures of all the inventors of assignees of record of the entire inverse or their representative/s) are required. Submit multiple forms if	Wy Commission I	Expires: 12.11,2014
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forms are submitted.

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PATENT REEL: 032613 FRAME: 0515

	Sample Form (former PTO/SB/15) (08-03)			
ASSIGNMENT OF APPLICATION	Docket Number (Optional) X-0267			
Whereas, I/We, Frederick H. Hausheer, M.D. of Fair Oaks F	Ranch, Texas , hereafter			
referred to as applicant, have invented certain new and useful improvements	s in			
Methods for the Total Chemical Synthesis of Enantiomerically-Pure 7-(2'-tri	methylsilyl)Ethyl Camptothecin			
for which an application for a United States Patent was filed on	,			
Application Number				
for which an application for a United States Patent was executed on No BioNumerik	ovember 6, 2012 and			
Whereas, Pharmaceuticals, Inc. of San Antonio, Texas	here referred			
to "assignee" whose mailing address is 8122 Datapoint Drive, Sulte 1250, S	an Antonio, Texas 78229 is			
desirous of acquiring the entire right, title and interest in the same;				
Now, therefore, in consideration of the sum of <u>one</u> dollars (\$ 1.00), the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.				
Executed this day of November	. 20 12			
at San Antonio, Texas	And the state of t			
	Signature			
	k H. Hausheer, M.D.			
County of Bexar SS: Printed Name/R	egistration No., if applicable			
Before me personally appeared said Frederick H. Hausheer, M.D.				
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ASSIGNMENT OF APPLICATION	Docket Number (Optional) X-0267		
Whereas, I/We, Andrey MalakhovofSan Antonio	o, Texas hereafter		
referred to as applicant, have invented certain new and useful improvements	in		
Methods for the Total Chemical Synthesis of Enantiomerically-Pure 7-(2'-trir	methylsilyl)Ethyl Camptothecin		
for which an application for a United States Patent was filed on			
Application Number			
for which an application for a United States Patent was executed on No BioNumerik Whereas, Pharmaceuticals, Inc. of San Antonio, Texas			
to "assignee" whose mailing address is 8122 Datapoint Drive, Suite 1250, Sa	an Antonio, Texas 78229 is		
desirous of acquiring the entire right, title and interest in the same;			
Now, therefore, in consideration of the sum of			
at San Antonio, Texas			
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Before me personally appeared said Andrey Malakhov			
	6th.		
Seal State of Texas	ozano, Notary Public Expires: 12.11.2014		
Note: Signatures of all the inventors or assignees of record of the interest of their representation one signature is required. See below.	ative(s) are required. Submit multiple forms if		

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ASSIGNMENT OF APPLICATION	Sample Form (former PTO/SB/15) (08-03) Docket Number (Optional) X-0267
Whereas, I/We, Harry Kochat, Ph.D. of San Antonio	, Texas , hereafter
referred to as applicant, have invented certain new and useful improvements	in
Germanium-Containing Camptothecin Analogue	98 '
for which an application for a United States Patent was filed on	
Application Number	
for which an application for a United States Patent was executed on Nov BioNumerik Whereas, Pharmaceuticals, Inc. of San Antonio, Texas	
to "assignee" whose mailing address is 8122 Datapoint Drive, Suite 1250, Sar	n Antonio, Texas 78229 is
desirous of acquiring the entire right, title and interest in the same;	
acknowledge, and other good and valuable consideration, I/We, the applicant(s and transfer unto said assignee the full and exclusive right to the said inventior rights, title and interest in and to any and all Patents which may be granted thereby authorize and request the Director of the U.S. Patent and Trademark Patent to said assignee, of the entire right, title, and interest in and to the same for the use and behoof of his legal representatives, to the full end of the tegranted, as fully and entirely as the same would have been held by me had made. Executed this	n in the United States and the entire therefore in the United States. I/We Office to issue said United States are, for his sole use and behoof; and erm for which said Patent may be this assignment and sale not been
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Sterny /	Kr.L.F.
	Kochat, Ph.D. gistration No., if applicable
County of Bexar)	gistration ivo., il applicable
Before me personally appeared said Harry Kochat, Ph.D.	
and acknowledged the foregoing instrument to be be the trackend deed this	loth
Seal State of Texas	zano, Notary Public () Expires: 12.11.2014 ive(s) are required. Submit multiple forms if

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date: 03-27-2014

Table of Cor	ntents (Se	elected Documents)	
 Appotatio	Source	PackagoID	

Date	Code	Pages	Annotatio	Source	PackageID	Descr.
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03-25-2014	LET.	8		EFSW	US 136942550TP1	Miscellaneous Incoming Letter
03-25-2014	LET.	1		EFSW	US 136942550TP1	Miscellaneous Incoming Letter
03-25-2014	LET.	1		EFSW	US 136942550TP1	Miscellaneous Incoming Letter

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