505029902 07/31/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER J. BURNS	07/24/2018
DANIEL C. PEVEAR	07/24/2018
ROBERT E. LEE TROUT	07/24/2018
RANDY W. JACKSON	06/25/2018
JODIE HAMRICK	07/24/2018
ALLISON L. ZULLI	06/25/2018
EUGEN F. MESAROS	07/24/2018
STEVEN A. BOYD	06/25/2018

RECEIVING PARTY DATA

Name:	VENATORX PHARMACEUTICALS, INC.
Street Address:	30 SPRING MILL DRIVE
City:	MALVERN
State/Country:	PENNSYLVANIA
Postal Code:	19355

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16002363

CORRESPONDENCE DATA

Fax Number: (650)493-6811

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (650) 493-9300

Email: ahirano@wsgr.com, patentdocket@wsgr.com
Correspondent Name: WILSON SONSINI GOODRICH & ROSATI

Address Line 1: 650 PAGE MILL ROAD

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ATTORNEY DOCKET NUMBER:	41223-717.301
NAME OF SUBMITTER:	ANGIE HIRANO
SIGNATURE:	/Angie Hirano/

PATENT 02 REEL: 046692 FRAME: 0776

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DATE SIGNED:	07/31/2018	
Total Attachments: 10		
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PATENT REEL: 046692 FRAME: 0777

PATENT ASSIGNMENT

Docket Number 41223-717.301

WHEREAS, the undersigned:

- BURNS, Christopher J. 1289 Yellow Springs Road Malvern, PA 19355
- HAMRICK, Jodie
 390 Diem Woods Drive
 New Holland, PA 17557
- PEVEAR, Daniel C.
 7 McIlvain Drive
 Downingtown, PA 19335
- ZULLI, Allison L.
 1020 Washington Place Chesterbrook, PA 19087
- 3. TROUT, Robert E. Lee 222 E. 9th Avenue Collegeville, PA 19426
- MESAROS, Eugen F.
 113 Lombardy Drive Wallingford, PA 19086
- JACKSON, Randy W. 483 O'Rea Creek Rond Livingston, MT 59047
- BOYD, Steven A.
 1969 Art School Road Chester Springs, PA 19425

(hereinafter "Inventor(s))," have invented certain new and useful improvements in

BETA-LACTAMASE INHIBITORS

or which application serial number 16/002.363 was filed on June 7, 2018 in the United States Patent & Trademark Office;

(hereinafter, "Application(s)"). The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).

WHEREAS, Venature Pharmaceuticuls, Inc., a corporation incorporated in the State of Delawars, having a place of business at 30 Spring Mill Drive, Malvern, PA 19355, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s), and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise (hereinafter "Patent(s)").

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

- 1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignce the entire right, title and interest (a) in and to said Inventions; (b) in and to said Applications, including the right to claim priority to and from said Application(s); (c) in and to each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) in and to said Patent(s) and each and every patent issuing or reissuing from any of the foregoing; (e) in and to each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; (f) in and to each and every patent and application filed outside the United States and corresponding to any of the foregoing; and (g) in and to all claims for past, present and future infringement of the Patent(s), including all rights to sue for and to receive and recover for Assignce's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Patent(s).
- 2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be hinding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- 4. Said Inventor(s) hereby warrant, represent and covenant that said Inventor(s) have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- 5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.
- 6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignce as of the dates written below:

Attorney Docket No. 41223-717.301, Page 1 of 10

PATENT ASSIGNMENT	Docket Number 41223-717.301
Date: 7/24/18 Christopher J.MURNS	
A notary public or other officer completing this certificate verifies only the identity of this attached, and not the truthfulness, accuracy, or validity of that document.	ne individual who signed the document to which this certificate
State of Repriscivation) Anne Marie Giann County of Chile State) On 7 24 18 before me.	opouice, Notery Phillip
12070	Insert Name and Title of the Officer
personally appeared <u>Christopher I, BURNS</u> Name(s) of Signer(8
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(to me that he/she/they executed the same in his/her/their authorized capacity(ies), and the or the entity upon behalf of which the person(s) acted, executed the instrument.	nat by his/her/their signature(s) on the instrument the person(s),
COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL Anne Marie Giennopoulos, Notary Public Charlestown Twp., Chester County By Commission Expires July 29, 2818 NEWBER PERRSYLVANIA ASSOCIATION OF HOTAMES Place Notary Seal Above	I certify under PENALTY OF PERJURY under the laws of the State of Perusulvanation the foregoing paragraph is true and derect. WITNESS my hand and official deal. Signature 1834 1844 1844 1844 1845 Signature Signature of Notary Public

PATENT ASSIGNMENT	Docket Number 41223-717.301
Date: 7/24/18 District C.PEVEAR	
A notary public or other officer completing this certificate verifies only the is attached, and not the truthfulness, accuracy, or validity of that documen	ic identity of the individual who signed the document to which this certificate t.
State of Lengsylvania) County of On 1/24 before me,	ne Marie Giarmopoulos, Notary (Natill)
``` Date	Here Insert Name and Title of the Officer
personally appeared <u>Daniel C. PEVEAR</u> Nam	se(s) of Signer(s)
who proved to me on the basis of satisfactory evidence to be the person(s) to me that he/she/they executed the same in his/her/their authorized capac or the entity upon behalf of which the person(s) acted, executed the instrum  COMMONWEALTH OF PENNSYLVANIA  HOTARIAL SEAL  Anne Maris Giannopoulos, Notary Public  Charlestown Twp., Chester County  My Commission Expires July 29, 2018  REMER, PENNSYLVANIA ASSOCIATION OF NOTABLE	whose name(s) is/are subscribed to the within instrument and acknowledged ity(ies), and that by his/her/their signature(s) on the instrument the person(s), nent.  I certify under PENALIY OF PERJURY under the laws of the State of **LEVELLED** (Like)** (Lik
Place Notary Seal Above	

PATENT ASSIGNMENT	Docket Number 41223-717.301
Date: 7/24/9 2/6/5/A T/BVT Robert E. Lee TROUT	
A notary public or other officer completing this certificate verifies only the identity of is attached, and not the truthfulness, accuracy, or validity of that document.	f the individual who signed the document to which this certificate
County at Carlo State and Carl	nnopoulos, Notary Public
1	re Insert Name and Title of the Officer
personally appeared Robert E. Lee TROUT  Name(s) of Sign	er(s)
who proved to me on the basis of satisfactory evidence to be the person(s) whose name to me that he/she/they executed the same in his/her/their authorized capacity(ies), and or the entity upon behalf of which the person(s) acted, executed the instrument.	ne(s) is/are subscribed to the within instrument and acknowledged I that by his/her/their signature(s) on the instrument the person(s),
COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL	I certify under PENALIZOF PERIURY under the laws of the State of Period Quid that the foregoing puragraph is true and entreet.
Anna Marie Glannopoulos, Notary Public Charlestown Twp., Chester County My Commission Expires July 29, 2018 NEWNER FERRIVIVANIA ASSOCIATION OF NOTABLES	WITNESS my hand and official scal.  Signature
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PATENT ASSIGNMENT	Docket Number 41223-717.301	
Date: <u>6/75/76/8</u> Randy W. JACKSON		
A notary public or other officer completing this certificate verifies only the identity of the ir is attached, and not the truthfulness, accuracy, or validity of that document.	ndividual who signed the document to which this certificate	
State of MT ) County of Fac. K ) On No. Sec. Sec. Sec. Sec. No. Date Here Inst	A	
Date Here Inst personally appeared <u>Randy W. IACKSON</u> Name(s) of Signer(s)	ert Name and Title of the Officer	
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that bor the entity upon behalf of which the person(s) acted, executed the instrument.		
MARK SUKUT NOTARY PUBLIC for the State of Montana Residing at Livingston, Montana My Commission Expires September 03, 2018	I certify under PENALTY OF PERTURY under the laws of the State of	
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PATENT ASSIGNMENT	Docket Number 41223-717,301
Date: 7 24 18 Judie HAMRICK	
A notary public or other officer completing this certificate verifies only the identifies attached, and not the truthfulness, accuracy, or validity of that document.	ly of the individual who signed the document to which this certificate
State of Tenns (Vania) Anne Mi County of Sterne Defore me,	erie Glennopoulos, Notary Publik
Date	Here Insert Name and Title of the Officer
personally appeared <u>Jodie HAMRICK</u>	
Name(s) of S	igner(s)
who proved to me on the basis of satisfactory evidence to be the person(s) whose to me that he/she/they executed the same in his/her/their authorized capacity(ics), or the entity upon behalf of which the person(s) acted, executed the instrument.  COMMONWEALTH OF PENNSYLVANIA  NOTARIAL SEAL  Anne Marie Giannopoulos, Notary Public Charlestown Twp., Chester County My Commission Expires July 29, 2018  WHERER, PENNSYLVANIA 2350CIATION OF NOTANICS	name(s) is/are subscribed to the within instrument and acknowledged and that by his/her/their signature(s) on the instrument the person(s),  I certify under PENALTY OF PERILIRY under the laws of the State of Company that the foregoing paragraph is true and correct.  WITNESS my hand and official scal.  Signature of Notary Public.
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September 2	
PATENT ASSICNMENT	Docket Number 41223-717.301
Date: 425/20/EAllison L. 894.1.1	
A notary public or other officer completing this certificate verifies only the identity of is attached, and not the truthfulness, accuracy, or validity of that document.	of the individual who signed the document to which this certificate
	annopoulos, Notary Pabilis
T Date H	ere Insert Name and Title of the Officer
personally appeared Allison L. ZULLI  Name(s) of Sign	3er(s)
who proved to me on the basis of satisfactory evidence to be the person(s) whose nai to me that he/she/they executed the same in his/her/their authorized capacity(ies), an or the entity upon behalf of which the person(s) acted, executed the instrument.  COMMONWEALTH OF PENNSYLVANIA  NOTARIAL SEAL  Anne Marie Glannopoulos, Notary Public Charlestown Twp., Chester County	d that by his/her/their signature(s) on the instrument the person(s).  I certify under PENALTY OD PERJURY under the laws of the Sissic of AMS////////////////////////////////////
Bly Commission Expires July 29, 2018  NEWSER, SERNSY VARIA ASSOCIATION OF NOTABLES  Place Natury Seal Above	Signature // 181/ // 1818/ Public Signature of Jointy Public

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PATENT ASSIGNMENT	Docket Number 41223-717.301	
Date: 72418 Eugen F. MESAROS		
A notary public or other officer completing this certificate verifics only the id is attached ind not the truthiulness, accuracy, or validity of that document.	entity of the individual who signed the discurrent to which this certificate	
State of LAGS (MAIL ) Arms County of 12418 before me,	Marie Glannopoulos, Motory Public	
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personally appeared Eugen F. MESAROS		
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PATENT ASSIGNMENT	Docket Number 41223-717.301	
Date: 6/25/2618 Steven A. BOVD		
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State of County of Chillipse before me.	Anne Marie Glannopoulos, Notary Publika	
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personally appeared <u>Steven A. BOYD</u>	822	
Name(s)	of Signer(s)	
who proved to me on the basis of satisfactory evidence to be the person(s) who to me that he/she/they executed the same in his/her/their authorized capacity(if or the entity upon behalf of which the person(s) acted, executed the instrument	es), and that by his/her/their signature(s) on the instrument the person(s), i.	
COMMONWEALTH OF PENNSYLVAN  NOTARIAL SEAL Anne Marle Glannopoulos, Notary Public Charlestown Twp., Chester County My Commission Expires July 29, 2018  WINSEN, PENNSYLVANIA ASSOCIATION OF NOTAR	WITMESS my bland and notificial scal. Singularly Mark Market Variable Spendyler of Notury Public	

PATENT ASSIGNMENT		Docket Number 41223-717.301
RECEIVED AND AGREED TO BY ASSIGNEE:		
Date:	By: Name: Christopher J Burns, Title: President and Chief E	Ph.D. xecutive Officer

Attorney Docket No. 41223-717.301, Page 10 of 10

**RECORDED: 07/31/2018**