505625230 08/16/2019

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	07/30/2019
CHRISTOPHER BENETATOS	07/30/2019
BIN LIU	07/30/2019
JIANGEHAO YAO	07/30/2019
STEVEN A. BOYD	07/30/2019
STEPHEN M. CONDON	07/30/2019
THOMAS HAIMOWITZ	07/30/2019
GLEN COBURN	07/30/2019

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:	16438361

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: stephanie.nelson@wsgr.com, patentdocket@wsgr.com

Correspondent Name: WILSON SONSINI GOODRICH & ROSATI

Address Line 1: 650 PAGE MILL RD

Address Line 4: PALO ALTO, CALIFORNIA 94304

ATTORNEY DOCKET NUMBER:	41223-729.201
NAME OF SUBMITTER:	STEPHANIE NELSON
SIGNATURE:	/Stephanie Nelson/

PATENT 505625230 REEL: 050071 FRAME: 0759

DATE SIGNED:	08/16/2019
Total Attachments: 10	
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PATENT REEL: 050071 FRAME: 0760

PATENT ASSIGNMENT

Docket Number 41223-729.201

WHEREAS, the undersigned:

 Christopher J. BURNS 30 Spring Mill Drive Malvern, PA 19355 Glen COBURN 30 Spring Mill Drive Malvern, PA 19355

Bin LIU 30 Spring Mill Drive Malvern, PA 19355 Jiangchao YAO 30 Spring Mill Drive Malvern, PA 19355

Christopher BENETATOS 30 Spring Mill Drive Malvern, PA 19355 Steven A. BOYD 30 Spring Mill Drive Malvern, PA 19353 Stephen M. CONDON 30 Spring Mill Drive Malvern, PA 19355 Thomas HAIMOWITZ 30 Spring Mill Drive Malvern, PA 19355

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

HEPATITIS B CAPSID ASSEMBLY MODULATORS

for which application serial number 16/438.361 was filed on June 11, 2019 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, Venstork Pharmaceuticals, Inc., a corporation incorporated under the laws of the State of <u>Delaware</u>, having a place of business at 30 Spring Mill Drive. Malvern, PA 19353, (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, THEREPORE, 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 Assignee the entire right, title and interest (s) 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 Assignee'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 follest 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 pertitions, 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 binding 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 Assignee as of the dates written below:

PATENT ASSIGNMENT	Docket Number 41223-729,201
Date: 1/20/1. Christophe) J. BURNS	
A notary public or other officer completing this certificate verifies only the is attached, and not the truthfulness, accuracy, or validity of that document	ne identity of the individual who signed the document to which this certificate t.
County of (1/4/1/2)) On 1/3/2019 before me.	Glennopoulos, Notary Public
personally appeared Christopher J. BURNS	Here Inseri Name and Title of the Officer
The state of the s	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 or the entity upon behalf of which the person(s) acted, executed the instrument of the entity upon behalf of which the person(s) acted, executed the instrument of the entity upon behalf of which the person(s) acted, executed the instrument of the entity upon behalf of which the person(s) acted, executed the instrument of the entity upon behalf of which the person(s) acted, executed the instrument of the entity upon behalf of which the person(s) acted, executed the instrument of the entity upon behalf of which the person(s) acted, executed the instrument of the entity upon behalf of which the person(s) acted, executed the instrument of the entity upon behalf of which the person(s) acted, executed the instrument of the entity upon behalf of which the person(s) acted, executed the instrument of the entity upon behalf of which the person(s) acted, executed the instrument of the entity upon behalf of which the person(s) acted, executed the instrument of the entity upon behalf of which the person(s) acted, executed the instrument of the entity upon behalf of which the person(s) acted, executed the instrument of the entity upon behalf of which the person(s) acted, executed the instrument of the entity upon behalf of which the person(s) acted, executed the instrument of the entity upon behalf of the entity upon	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), ment. I certify under PENALTY of PERIURY under the laws of the State of 10.55/hd/d that the foregoing paragraph is true and correct. WITNESS my land and official seal. Signature of Notary Public
Place Notary Seal Above	

PATENT ASSIGNMENT	Docket Number 41223-729.201
Date: 7/20/19 Christopher BENETATOS	
A notary public or other officer completing this certificate ver is attached, and not the trathfulness, accuracy, or validity of th	ifies only the identity of the individual who signed the document to which this certificate at document.
State of Kings (Many) County of State West before me,	Anne Marie Giennopouloe, Notery Public
4 1 Date	Here Insert Name and Title of the Officer
personally appeared Christopher BENETATOS	Name(s) of Signer(s)
to me that he/she/they executed the same in his/her/their author or the entity upon behalf of which the person(s) acted, execute	
Commonwealth of Pennsylvania - Notary Seat Anne Marie Giannopoulos, Notary Public Chester County My commission expires July 29, 2022 Commission number 1058131	laws of the State of <u>KANAM</u> Audat the foregoing paragraph is true and correct. WITNISS my hand and official span.
Member, Pennsylvania Association of Notaries	Signalure July 1995 And

PATENT ASSIGNMENT	Docket Number 41223-729.201
Date: 73/9 Bin Litti	
A notary public or other officer completing this certificate verifies only the id- is attached guad not the truthfulness, accuracy, or validity of that document.	entity of the individual who signed the document to which this certificate
State of AND County of Anne Mark	g Glennopoulos, Notary Public
/ Date personally appeared Bin LIU	Here Insert Name and Title of the Officer
	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(i 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),
Commonwealth of Pennsylvania - Notary Seel Anne Marie Glannopoulos, Notary Public Chester County	laws of the State of Managed Liber the foregoing paragraph is true and confect.
My commission expires July 29, 2022 Commission number 1059131 Mamber, Pennsylvania Association of Notaries	WITNERS my band and official scal. Signature Late Late Late Late Late Signature of Notary Fablic
Place Notary Seal Above	

PATENT ASSIGNMENT	Docket Number 41223-729.201
Date: 134/9 Jiangchao YAO	
A notary public or other officer completing this certificate verifies only the ide is attached, and not the truthfulness, accuracy, or validity of that document.	entity of the individual who signed the document to which this certificat
State of (1964/1/49/1/49) Anne Marie On 1/50/4 before me,	Glannopoulos, Notary Public
/ f Date	Here Insert Name and Title of the Officer
personally appeared <u>Hangchan YAO</u> 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(is or the entity upon behalf of which the person(s) actual, executed the instrument.	es), and that by his/her/their signature(s) on the instrument the person(s)
Commonwealth of Pennsylvania - Notary Seal Anne Marie Giannopoulos, Notary Public Chestar County My commission expires July 29, 2022 Commission number 1058131	I certify under PENALTY OF PERIORY under the laws of the State of 1/2/3/1/1/Albat the foregoing paragraph is true and correct. WITNESS my band and official season.
Member, Pennsylvania Association of Noterles	Signature J. M. M. J. M. J. M. J.
Place Notary Seal Above	Manual

PATENT ASSIGNME	NT	Docket Number 41223-729.201
Date: 19/4 Steven A. BOVD	7	
A notary public or other officer completing this certificate is attached, and not the truthfulness, accuracy, or validity of	verifies only the ide f that document.	ntity of the individual who signed the document to which this certificate
State of LOSS/VANIA) County of The State of County of County of The State of County o	Anne Marie	Giannopoulos, Notary Public
Date personally appeared Steven A. BOYD		Here Insert Name and Title of the Officer
becoming appeared (MEE) (MEE)	Name(s) (f Signer(s)
who proved to me on the basis of satisfactory evidence to be to me that he/she/they executed the same in his/her/their au or the entity upon behalf of which the person(s) acted, executed the entity upon behalf of which the person(s) acted, execute the entity upon behalf of Pennsylvania - Notary Seal Anne Marie Giannopoulos, Notary Public Chester County My commission expires July 29, 2022 Commission number 1058131 Member, Pennsylvania Association of Notaries	nhorized capacity(ie	se name(s) is/are subscribed to the within instrument and acknowledged s), and that by his/her/their signature(s) on the instrument the person(s), I certify under PENALTY OF PERBURY under the laws of the State of ///////////////////////////////////

PATENT ASSIGNMENT	Docket Number 41223-729.201
Date: 1344 Stephen M. CONDOY	
A notary public or other officer completing this certificate verifies only the identit is attached, will not the truthfulness, accuracy, or validity of that document.	y of the individual who signed the document to which this certificate
State of ARMAIL) Anne Marie Gian. On 7720 19 before me.	nopoulos, Notary Public
'/ Dise personally appeared Signhen M. CONDON	Here Insert Name and Title of the Officer
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(ies), or the entity upon behalf of which the person(s) acted, executed the instrument. Commonwealth of Pennsylvania - Notary Seal Anne Marie Giannopoulos - Notary Public Chester County My commission expires July 28, 2022 Commission expires July 28, 2022 Commission number 1055 131 Member, Pennsylvania Association of Notaries Place Notary Seal Above Place Notary Seal A	name(s) is/are subscribed to the within instrument and acknowledged and that by his/her/their signature(s) on the insurament the person(s), I certify under PENALTY OF PERIURY under the laws of the State of 2/1/3/1/6theit the foregoing paragraph is true and confect. WITNESS my hand and official scal. Signature ////////////////////////////////////

PATENT ASSIGNMENT		Docket Number 41223-729.201
Date: 10 1 Thomas HAIMOWITZ		*
A notary purity or other officer completing this certification is attached and not the truthfulness, accuracy, or validity		e individual who signed the document to which this certificate
State of (1984/49/49) County of (1984/49/49) On (1984/49/49) before me, (1984/49/49/49/49/49/49/49/49/49/49/49/49/49	Anne Marie Gianno	coulos, Notary Public
1 1 Bate	Here	Insert Name and Title of the Officer
personally appeared Thomas HAIMOWITZ		
· · · · · · · · · · · · · · · · · · ·	Name(s) of Signer(s	
to me that he/she/they executed the same in his/her/their is or the entity upon behalf of which the person(s) acted, exe	be the person(s) whose name(s authorized capacity(les), and the ecuted the instrument.) is/arc subscribed to the within instrument and acknowledged at by his/her/their signature(s) on the instrument the person(s), I certify under PENALTY OF PERIJIRY under the laws of the Sapte of Interval (1984) (1984) that the foregoing paragraph is true and correct.
to me that he/she/they executed the same in his/her/their is or the entity upon behalf of which the person(s) acted, exe	be the person(s) whose name(s authorized capacity(ies), and the ecuted the instrument. y Seal ublic) is/arc subscribed to the within instrument and acknowledged at by his/her/their signature(s) on the instrument the person(s), I certify under PENALTY OF PERIJIRY under the laws of the Sapte of

	PATENT ASSIGNMENT		Docket Number 41223-729,201
***************************************	RECEIVED AND AGREED TO BY ASSIGNEE:	VENATORX PHARMACEUTICALS, INC.	
	Date: 7/20/9	By: Name: Christopher Burns, I Title: President and Chief B	Ph.D. recutive Officer

PATENT ASSIGNMENT		Docket Number 41223-729.201	
Date: 7/20/19 Glen COBURN			
A notary pullic or other officer completing this certificate verifies is attached, and not the truthfulness, accuracy, or validity of that do		al who signed the document to which this certificate	
State of County of County of State of County o	Anne Marie Giannopoulos, No	tery Public	
1 Date	Date Here Insert Name and Title of the Officer		
personally appeared Gien COBURN	Name(s) of Signer(s)		
who proved to me on the basis of satisfactory evidence to be the pe to me that he/she/they executed the same in his/her/their authorized or the entity upon behalf of which the person(s) acted, executed the Commonwealth of Pennsylvania - Notary Seal Annie Marie Giamnopoulos, Notary Public Chester County My commission expires July 29, 2022 Gommission number 1058131 Member, Pennsylvania Association of Notaries Place Notary Seal Above	l capacity(ies), and that by his/h instrument.		