505447097 04/25/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5493898

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID M. KRISKY	04/05/2017
JAMES B. WECHUCK	04/05/2017
JAMES R. GOSS	04/18/2017

RECEIVING PARTY DATA

Name:	PERIPHAGEN, INC.
Street Address:	2100 WHARTON STREET
Internal Address:	SUITE 701
City:	PITTSBURGH
State/Country:	PENNSYLVANIA
Postal Code:	15203

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16088393	

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	2012073-0008
NAME OF SUBMITTER:	ROBERT N. SAHR, PHD, JD
SIGNATURE:	/Robert N. Sahr/
DATE SIGNED:	04/25/2019

Total Attachments: 8

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> **PATENT** REEL: 049002 FRAME: 0427 505447097

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PATENT REEL: 049002 FRAME: 0428

COMBINED JOINT ASSIGNMENT & DECLARATION

A. ASSIGNMENT

WHEREAS, each of the below-named inventors whose name and residence is set forth in the following Table 1:

Inventor Name	City, State
1. David M. Krisky	Pittsburgh, Pennsylvania
Z. James B. Wechuck	Pittsburgh, Pennsylvania
3. James R. Goss	Pittsburgh, Pennsylvania

Table 1

hereby declares and agrees, on behalf of himself/herself and all of his/her successors and assigns that each is aware of the patent application(s) entitled:

HIGH-TRANSDUCING HSV VECTORS; and

**********	pared for filing in the United Sta stified by United States Applicat		rk Office; or
filed in the Un	itified by United States Applicatited States Patent and Trademar	Coffice on;	; and
X iden	tified by International Patent Ap March 24, 2017	plication No. PC	T/US17/24092
x and	is also aware of the following p	riority applications:	
	Serial No.	Filed	
	62/313,391	March 25, 2	016

WHEREAS, PeriphaGen, Inc. (hereinafter "ASSIGNEE"), having a usual place of business at 2100 Wharton Street, Suite 701, Pittsburgh, Pennsylvania 15203, desires to acquire or confirm an interest therein;

NOW, THEREFORE, to all whom it may concern be it known that, in consideration of agreements previously and duly entered into between the parties, and/or for other good and valuable consideration, the receipt of which is hereby acknowledged, each of us has sold, assigned, and transferred and/or do hereby sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title, and interest in and throughout the United States of America, its territories and all foreign countries, in and to any and all inventions described in the patent application, and/or any priority applications noted above, including any right of priority thereto; and

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hereby confirm that my sale, assignment and transfer is and was effective at least as of the filing date of the patent application and/or priority application. Our sale, assignment and transfer applies to the above-referenced patent application, and to any application that is based in whole or in part on the patent application, including any divisional, continuing, substitute, renewal, reissue, reexamination and other applications, for example that claim priority to the patent application. Also, this sale, assignment and transfer pertains to any and all other rights arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property, including all rights of priority under the International Convention for the Protection of Industrial Property, and in and to any such patent(s) as may issue thereon including any and all original and reissued patents which have been or shall be issued in the United States and foreign countries; said inventions, applications, and patent(s) to be held and enjoyed by ASSIGNEE for its own use and for its successors, assigns and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by each of us had this sale, assignment and transfer not been made;

AND, each of us hereby acknowledges that this Assignment, being of our entire right, title, and interest in and to the inventions, carries with it the right in ASSIGNEE, by attorneys and agents of ASSIGNEE selection, to apply for and receive any and all patent(s) for said inventions in its own name;

AND, each of us hereby further agrees for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the patent(s) to ASSIGNEE, its successors, assignees, and legal representatives, but at its expense and charges, including the execution of application for patents in foreign countries, the execution of substitution, reissue, divisional or continuation applications, and the giving of testimony, preliminary statements, or other statements in any interference or other proceeding in which the inventions or any applications or patents directed to the inventions may be involved by communicating to the ASSIGNEE all facts we know relating to the inventions and their history, and generally by doing everything possible which ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for the inventions and for vesting title in the inventions and all applications for patent and all patents on the inventions in ASSIGNEE;

AND, each of us further hereby authorizes ASSIGNEE or its attorneys or agents to insert the correct serial number(s) and/or filing date(s) into this assignment document, if appropriate;

AND, each of us hereby appoints ASSIGNEE as our common agent for purposes of prosecuting international patent applications and any national patent applications for which such common agency is recognized;

AND, each of us hereby requests the Commissioner for Patents of the United States Patent and Trademark Office to issue any and all patent(s) as shall be granted upon

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said application or applications based thereon to ASSIGNEE, its successors, assigns, and legal representatives;

AND, each of us covenants with said ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by us, and that full right to convey the same as herein expressed is possessed by us.

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B. <u>DECLARATION (37 CFR 1.63)</u>

As below named inventors, we hereby declare that:

This declaration is directed to the patent application entitled:

HIGH-TRANSDUCING HSV VECTORS; and

attached hereto or prepared for filing in the United S Office; or	tates Patent and Trademark
identified by United States Application Serial No. filed in the United States Patent and Trademark Office on	; or
x identified by International Patent Application No. filed on March 24, 2017	PCT/US17/24092
The above-identified application was made or authorized	to be made by us.
We believe that we are the original joint inventors of a application.	claimed invention in the
We hereby acknowledge that any willful false statement is punishable under 18 U.S.C. 1001 by fine or imprisonment o years, or both.	made in this declaration f not more than five (5)

We have reviewed and understand the contents of the application, including the claims and are aware of the duty to disclose to the United States Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR 1.56.

Inventor Signature:	1 Just 1 15 2007
Print Inventor Name:	David M. Kriský 🔏 🧗
Witness Signature: Print Witness Name:	Sant B. Wesh Lea
Witness Signature: Print Witness Name:	And Collen

Inventor Signature:		Date:	054122017
Print Inventor Name:	ames B. Wechuck		
Witness Signature: Print Witness Name:	David Krisky		
Witness Signature:	As Cont		
Print Witness Name:	Sarah Conhlan		

Inventor Signature:		Date:	15 April 2013
Print Inventor Name:	James R. Goss	•	
Witness Signature:	v4 v4		
Print Witness Name:	Daniel Ranayhossaini		
Witness Signature:	A. Naglan		
Print Witness Name:	NAGARATU -ANREDOY	•	

The undersigned (whose title is supplied/below) is authorized to ac	t on beh	alf of
PeriphaGen, Inc.			
Signature: //		Date:	OSAP122017-
Name (printed):	James B. Wechuck		
Title (printed):	Vice President Science O	peral	Star 1

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RECORDED: 04/25/2019

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