505768876 11/12/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5815692

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DARELL D. BIGNER	06/11/2019
VIDYALAKSHMI CHANDRAMOHAN	04/15/2019
CHARLES PEGRAM	04/17/2019

RECEIVING PARTY DATA

Name:	DUKE UNIVERSITY	
Street Address:	2812 ERWIN ROAD, SUITE 306	
Internal Address:	BOX 90083	
City:	DURHAM	
State/Country:	NORTH CAROLINA	
Postal Code:	27705	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16342914

CORRESPONDENCE DATA

Fax Number: (608)251-9166

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: 6082515000

Email: pat-dept@quarles.com

Correspondent Name: TAMBRYN VANHEYNINGEN

Address Line 1: 33 EAST MAIN STREET, SUITE 900

Address Line 4: MADISON, WISCONSIN 53703

ATTORNEY DOCKET NUMBER: 155554.00480	
NAME OF SUBMITTER:	TAMBRYN VANHEYNINGEN
SIGNATURE:	/Tambryn VanHeyningen/
DATE SIGNED:	11/12/2019

Total Attachments: 5

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PATENT REEL: 050983 FRAME: 0002

ASSIGNMENT

Pursuant to our obligation to DUKE UNIVERSITY (hereinafter referred to as "Assignee"), having its principal place of business at:

2812 Erwin Road, Suite 306 Box 90083 Durham, North Carolina 27705

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

Darell D. Bigner 5133 Corbett Ridge Road Mebane, NC 27302

Vidyalakshmi Chandramohan 110 Token House Road Durham, NC, 27703

Charles Pegram c/o Duke University 2812 Erwin Road, Suite 306 Durham, NC, 27705

confirm our obligation to and effective as of October 17, 2016, hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest –

- (1) in and to an invention entitled "Production of Immunotoxin D2C7 (scdsFv) PE38KDEL" for which International Patent Application No. PCT/US2017/056562 was filed October 13, 2017 (Attorney Docket No., 155554.00474), which application claims the benefit of priority of United States Provisional Patent Application No. 62/408,963 filed October 17, 2016 (hereinafter the "International Patent Application and the United States Provisional Patent Application");
- (2) in and to said International Patent Application and the United States Provisional Patent Application, in and to all other patent applications derived from or relating to said International Patent Application and the United States Provisional Patent Application (including

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PATENT REEL: 050983 FRAME: 0003 divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said invention, and in and to the patent or patents to be granted thereon, including reissues or reexaminations thereof, if any, to the full end of the term or terms for which said patent or patents may be granted;

- (3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and
- (4) in and to all applications filed under International Conventions on the invention or claiming priority to the International Patent Application and the United States Provisional Patent Application.

We agree that any patent applications with a claim to priority based on said International Patent Application and the United States Provisional Patent Application may be filed in the name of Assignee.

We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed to be necessary, by Assignee, its successors or assigns, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

The Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said patent or patents to Assignee.

4-23-19 Date	Darell D. Bigner, Inventor
Date	Vidyałakshmi Chandramohan, Inventor
Date	Charles Pegram, Inventor

divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said invention, and in and to the patent or patents to be granted thereon, including reissues or reexaminations thereof, if any, to the full end of the term or terms for which said patent or patents may be granted;

- (3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and
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Date	Darell D. Bigner, Inventor
04 25 19 Date	Vidya Vidyalakshmi Chandramohan, Inventor
Date	Charles Pegram, Inventor

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Date	Darell D. Bigner, Inventor
Date	Vidyalakshmi Chandramohan, Inventor
6/12/2019 Date	May Make Charles Pegram, Inventor

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Date

Eric Wagner, on behalf of Duke University

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