505120071 10/01/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT K. PRUD'HOMME	04/13/2017
ROBERT F. PAGELS	04/13/2017
CHESTER E. MARKWALTER	04/13/2017

RECEIVING PARTY DATA

Name:	THE TRUSTEES OF PRINCETON UNIVERSITY	
Street Address:	87 PROSPECT AVENUE	
City:	PRINCETON	
State/Country:	NEW JERSEY	
Postal Code:	08544	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16064935

CORRESPONDENCE DATA

Fax Number: (215)965-1331

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.

215-965-1330 Phone:

Email: ylopez@panitchlaw.com **Correspondent Name:** LARS H. GENIESER

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ATTORNEY DOCKET NUMBER: 689328.0003/01US **NAME OF SUBMITTER:** LARS H. GENIESER SIGNATURE: /Lars H. Genieser/ **DATE SIGNED:** 10/01/2018

Total Attachments: 2

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> **PATENT REEL: 047019 FRAME: 0148** 505120071

WORLDWIDE ASSIGNMENT

WHEREAS Robert K. PRUD'HOMME of Princeton, New Jersey, Robert F. PAGELS of Princeton, New Jersey, and Chester E. MARKWALTER of Princeton, New Jersey, hereinafter (collectively) referred to as the Assignor, invented a certain improvement relating to PROCESS FOR ENCAPSULATING SOLUBLE BIOLOGICS, THERAPEUTICS, AND IMAGING AGENTS, for which said Assignor has caused a U.S. Provisional Application to be prepared and filed in the United States Patent and Trademark Office on December 22, 2015 as Serial Number 62/387,075 and has caused an International Application under the Patent Cooperation Treaty to be prepared and filed in the United States Patent and Trademark Office as the Receiving Office on December 21, 2016 as Serial Number PCT/US2016/068145.

WHEREAS The Trustees of Princeton University, 87 Prospect Avenue, Princeton, New Jersey 08544, hereinafter referred to as the Assignee, is desirous of acquiring the entire right, title, and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefore, including any and all renewals, reissues, and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby assigns, sells, and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire and exclusive right, title, and interest for the United States in and to the invention, the application(s), and any patents which may be granted therefor, including any and all provisionals, 35 U.S.C. §111(a) nonprovisionals, divisions, continuations, in whole or in part, substitutions, renewals, reissues, reexaminations, and extensions thereof, and all applications claiming priority therefrom; and Assignor authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for the invention, or patents resulting therefrom, insofar as their interest is concerned, to Assignee; to have, hold, exercise, and enjoy, with all the rights, powers, privileges, and advantages in anywise arising therefrom or appertaining thereto, for and during the term or terms of any and all such patents when granted, for the use and benefit of said Assignee, and said Assignee's successors and assigns, in as ample and beneficial a manner as Assignor might or could have held and enjoyed the same, if this assignment had not been made.

Assignor further hereby assigns, sells, and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire right, title, and interest in all countries of the world, in and to the invention and in and to the application(s) and all patents which may be granted therefor, and all international applications, national applications, regional applications, divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, including the right to file applications and obtain patents for the invention in its own name, in all countries and including all rights of priority in all countries under the terms of any applicable international convention, insofar as its interest is concerned; and the Assigner hereby authorizes and requests the applicable patent office in each country of the world to issue all patents for the invention, or patents resulting therefrom, insofar as its interest is concerned, to the Assignee, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of such patents for the invention may issue, to the same extent as the Assigner would hold and enjoy if this Assignment had not been made.

The Assignor further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agrees, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain, and enforce proper patent protection for said invention.

Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office, or the patent office of another nation, for recordation of this document:

VENABLE LLP and all practitioners at Customer Number 26694

Attorney Docket No.: 32108-410445

WORLDWIDE ASSIGNMENT

Attorney Docket No.: 32108-410445

IN WITNESS WHEREOF, each individual collectively referred to as Assignor has caused this Assignment to be executed, effective as of the filing date of the earliest filed application listed above, or the date of invention, whichever came first.

ASSIGNOR:

Signature:

ASSIGNOR

Signatur

Robert K. PRUD'HOMME

EXECUTED this 13 day of April

WITNESS:

WITNES:

Signature

Name: Address:

Signature:

Name: Address: __

ASSIGNOR:

Signature:

Chester E. MARKWALTER

EXECUTED this 13 day of 1905

EXECUTED this 13 day of April 2017.

WITNESS

Signature Name:

Address:

WS# 15209221

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