

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GIANFRANCO ALPINI	05/09/2017
SHANNON S. GLASER	05/10/2017
FANYIN MENG	05/10/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS
<b>Street Address:</b>	810 VERMONT AVENUE, NW
<b>City:</b>	WASHINGTON
<b>State/Country:</b>	D.C.
<b>Postal Code:</b>	30420
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>PCT Number:</b>	US2018031261
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	37759.0224P1
<b>NAME OF SUBMITTER:</b>	D. BRIAN SHORTELL, JD, PHD
<b>SIGNATURE:</b>	/D. Brian Shortell, Reg No. 56020/
<b>DATE SIGNED:</b>	04/14/2021
<b>Total Attachments: 3</b>	
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ASSIGNMENT

WHEREAS, We, Gianfranco ALPINI, Shannon S. GLASER, and Fanyin MENG are inventors of certain new and useful improvements in a SECRETIN-STIMULATION OF BICARBONATE SECRETION REDUCES BILIARY DAMAGE AND LIVER FIBROSIS IN A MODEL OF PRIMARY BILIARY CHOLANGITIS (PBC) for which has been prepared an application for Letters Patent in the United States, filed at the U.S. Patent and Trademark Office on May 5, 2017 and assigned application number 62/502,374.

AND WHEREAS, UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS (hereinafter "ASSIGNEE"), a department of the government of the United States of America, with its principal place of business at 810 Vermont Avenue NW, Washington, District of Columbia, 20420, United States of America, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all applications claiming the benefit of the filing date of said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that we will communicate to the said ASSIGNEE, successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all utility, divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, we hereunto set our hands and seal this


*[Signatures are on the following page]*

Assignors

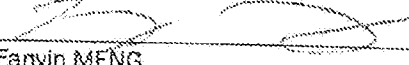
Date: 5-9-17

Date: 5-10-17

Date: 5-10-17

  
Gianfranco ALPINI

Shannon S. GLASER

  
Fanyin MENG

Assignee

Date: \_\_\_\_\_

United States Government as Represented by  
The Department of Veterans Affairs

By: \_\_\_\_\_

Title: \_\_\_\_\_

Assignors

Date: \_\_\_\_\_ Gianfranco ALPINI  
Date: \_\_\_\_\_ Shannon S. GLASER  
Date: \_\_\_\_\_ Fanyin MENG

Assignee

Date: March 9, 2017  
Maryam Azarion  
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The Department of Veterans Affairs  
By: Maryam Azarion  
Title: Deputy Chief Counsel

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