

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4091509

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
VICTOR LING	12/03/2015
RENXUE WANG	12/04/2015
JONATHAN SHEPS	12/04/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	QING BILE THERAPEUTICS INC.
<b>Street Address:</b>	5671 TRAFALGAR STREET
<b>City:</b>	VANCOUVER
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	V6N 1C2
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14976177
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)428-7045
<i>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.</i>	
<b>Phone:</b>	(617) 428-0200
<b>Email:</b>	patentadministrator@clarkelbing.com
<b>Correspondent Name:</b>	CLARK & ELBING LLP
<b>Address Line 1:</b>	101 FEDERAL STREET
<b>Address Line 2:</b>	15TH FLOOR
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02110
<b>ATTORNEY DOCKET NUMBER:</b>	51114-006002
<b>NAME OF SUBMITTER:</b>	MICHAEL J. BELLIVEAU, PH.D.
<b>SIGNATURE:</b>	/Michael J. Belliveau, Ph.D./
<b>DATE SIGNED:</b>	10/11/2016
<b>Total Attachments: 5</b>	
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## CONFIRMATION OF ASSIGNMENT

WHEREAS, WE:

**VICTOR LING**, whose full post office address is 5671 Trafalgar Street, Vancouver, British Columbia, V6N 1C2, Canada;

**RENXUE WANG**, whose full post office address is 6210 Logan Lane, Vancouver, British Columbia, V6T 2K9, Canada; and

**JONATHAN SHEPS**, whose full post office address is 815-555 Abbott Street, Vancouver, British Columbia, V6B 6B8 Canada,

(hereinafter the "ASSIGNORS" or "WE")

are the joint inventors of the invention or inventions described and/or claimed in the patent applications and/or patents listed in **Schedule A** (hereinafter the "Invention"), as attached,

WHEREAS, **QING BILE THERAPEUTICS INC.** (hereinafter referred to as "ASSIGNEE") having a place of business at 5671 Trafalgar Street Vancouver, BC V6N 1C2, Canada, is the owner of our full right, title and interest in and to the Invention and in and to any Letters Patent that may be granted therefor in any and all countries and jurisdictions by virtue of an agreement executed May 11, 2015.

NOW, THEREFORE, this Confirmation of Assignment is hereby executed for the purpose of recording the assignment in various patent offices throughout the world. In consideration of the foregoing premises, and of the sum of one dollar (\$1.00) and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, WE, also hereby, jointly and severally, confirm having sold, assigned and transferred, as of the time of making the invention and by way of further assurance do, hereby sell, assign and transfer absolutely to the ASSIGNEE our full and exclusive right, title and interest in and to: (a) the Invention worldwide; (b) any and all patent applications for the Invention in all countries and jurisdictions and under all conventions and treaties, including the right to claim for any and all applications any priority rights to which such applications are entitled under conventions, treaties or otherwise, and all divisions, extensions, continuations, continuations-in-part, provisionals, non-provisionals, substitutions and renewals thereof; (c) all Letters Patent which may be granted therefor in any and all countries and jurisdictions, and any renewals, reissues, re-examinations or extensions of the Letters Patent, and (d) the exclusive right to bring or participate in any proceeding for past infringement or any other actionable right under all of the foregoing and to receive all remedies that arise therefrom, to the end of the term for which the Letters Patent may be granted, as fully and entirely as the same would have been held by us had this Assignment not been made.

WE represent that WE have not assigned, licensed or otherwise encumbered any right, title or interest in or to the Invention or executed any agreement in conflict herewith.

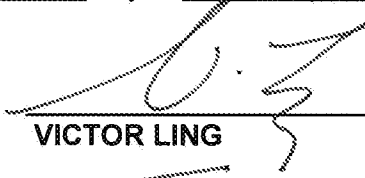
In addition, WE hereby authorize and request the patent offices in all countries and jurisdictions to issue any and all of the Letters Patent, when granted, to the ASSIGNEE.

Further, WE agree that WE will communicate to the ASSIGNEE or its representatives any facts known to us respecting the Invention, and testify in any legal proceeding, sign all lawful papers, execute all papers relating to all patent applications including all divisionals, continuations, continuations-in-part, extensions, renewals, provisionals, non-provisionals or substitutes thereof, and the Letters Patent including any renewal, re-examination, extension and reissue thereof, execute all necessary papers to cause any and all of the Letters Patent to be issued to the ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid the ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for the Invention in any and all countries and jurisdictions.

This Confirmation of Assignment is effective May 11, 2015.

The undersigned hereby authorizes the firm of Vanguard IP LLP to correct errors in this Confirmation of Assignment or to insert any further identification or other information necessary or desirable to make this Confirmation of Assignment suitable for recordal in throughout the world.

In witness whereof the Assignor **VICTOR LING** has executed this Confirmation of Assignment at Vancouver this 3 day of December, 2015.

  
\_\_\_\_\_  
**VICTOR LING**

WITNESS:

On this 3 day of December, 2015, before me personally appeared the above named **VICTOR LING**, to me known and known by me to be the person described in and who executed the foregoing instrument, and acknowledged the same to be his own free act and deed.

  
\_\_\_\_\_  
Signature of Witness

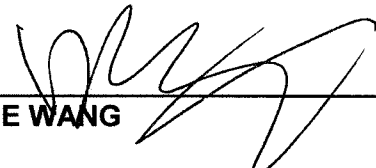
Print Name:

Renxue Wang

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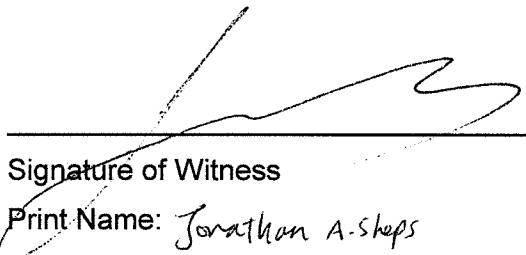
Confirmation of Assignment from LING, Victor et al.  
to Qing Bile Therapeutics Inc.

In witness whereof the Assignor **RENXUE WANG** has executed this Confirmation of Assignment at Vancouver this 4th day of December, 2015.

  
\_\_\_\_\_  
**RENXUE WANG**

WITNESS:

On this 4th day of December, \_\_\_\_\_, 2015, before me personally appeared the above named **RENXUE WANG**, to me known and known by me to be the person described in and who executed the foregoing instrument, and acknowledged the same to be his own free act and deed.

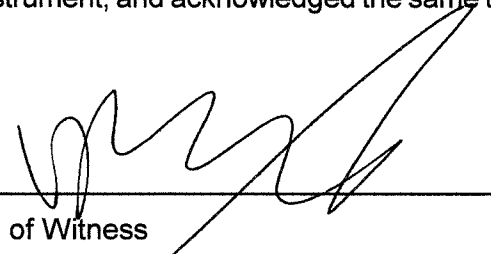
  
\_\_\_\_\_  
Signature of Witness  
Print Name: Jonathan A. Sheps

In witness whereof the Assignor **JONATHAN SHEPS** has executed this Confirmation of Assignment at Vancouver this 4th day of December, 2015.

  
\_\_\_\_\_  
**JONATHAN SHEPS**

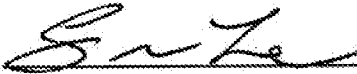
WITNESS:

On this 4th day of December, \_\_\_\_\_, 2015, before me personally appeared the above named **JONATHAN SHEPS**, to me known and known by me to be the person described in and who executed the foregoing instrument, and acknowledged the same to be his own free act and deed.

  
\_\_\_\_\_  
Signature of Witness  
Print Name: Renxue Wang

On behalf of the ASSIGNEE, QING BILE THERAPEUTICS INC.

SIGNED at Toronto, Ont., this 4th day of December 2015.

By: 

Name: SIMON LEE

Title: CHIEF FINANCIAL OFFICER

WITNESS FOR the ASSIGNEE:

On this 4 day of December, 2015, before me personally appeared the above named Simon Lee, to me known and known by me to be the person described in and who executed the forgoing instrument, and acknowledge the same to be their own free act and deed.



Signature

Print Name:

GRACE LEE

Schedule A

POLYHYDROXYLATED BILE ACIDS FOR THE TREATMENT OF BILIARY DISORDERS

Country	Application Filing Date	Application Number	Date Granted	Patent Number
Canada	02/26/2009	2,716,922		
Japan	02/27/2012	2012-525830		
Brazil	02/27/2012	BR 11 2012 004284 0		
United States	02/27/2012	13/406,092		
EPO	03/23/2012	10811080.0		
Australia	03/23/2012	2010286253		
Singapore	02/23/2012	201201313-2	12/08/2014	178562
Hong Kong	04/01/2013	13103971.2		
China	04/25/2012	201080048314.9		
United States	02/26/2008	61/064,280		
United States	03/02/2011	12/919,381		
PCT	02/26/2009	PCT/CA2009000257		
United States	08/25/2009	61/236,750		
PCT	08/25/2010	PCT/CA2010/001338		