

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>James Heyes</td> <td>12/20/2012</td> </tr> <tr> <td>Mark Wood</td> <td>12/21/2012</td> </tr> <tr> <td>Alan Martin</td> <td>12/21/2012</td> </tr> <tr> <td>Amy C.H. Lee</td> <td>01/02/2013</td> </tr> <tr> <td>Adam Judge</td> <td>12/20/2012</td> </tr> <tr> <td>Marjorie Robbins</td> <td>01/02/2013</td> </tr> <tr> <td>Ian MacLachlan</td> <td>01/08/2013</td> </tr> </tbody> </table>		Name	Execution Date	James Heyes	12/20/2012	Mark Wood	12/21/2012	Alan Martin	12/21/2012	Amy C.H. Lee	01/02/2013	Adam Judge	12/20/2012	Marjorie Robbins	01/02/2013	Ian MacLachlan	01/08/2013
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RECEIVING PARTY DATA																	
Name:	Protiva Biotherapeutics, Inc.																
Street Address:	100-8900 Glenlyon Parkway																
City:	Bernaby, BC																
State/Country:	CANADA																
Postal Code:	V5J 5J8																
PROPERTY NUMBERS Total: 1																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13697000</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13697000												
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Application Number:	13697000																
CORRESPONDENCE DATA																	
Fax Number:	4155760300																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
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Correspondent Name:	Joseph Snyder																
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ATTORNEY DOCKET NUMBER:	86399-010920US-857280																

OP \$40.00 13697000

NAME OF SUBMITTER:

Joseph Snyder

Total Attachments: 3

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**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, James Heyes of Vancouver, BC, Canada; Mark Wood of Port Moody, BC, Canada; Alan Martin of Vancouver, BC, Canada; Amy C.H. Lee of Burnaby, BC, Canada; Adam Judge of Vancouver, BC, Canada; Marjorie Robbins of Vancouver, BC, Canada; and Ian MacLachlan of Mission, BC, Canada, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:       COMPOSITIONS AND METHODS FOR SILENCING  
                                  APOLIPOPROTEIN B

Date(s) of execution of Declaration:

Filing Date:               November 8, 2012

Application No.:         13/697,000; and

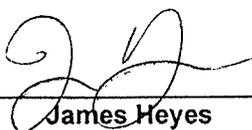
WHEREAS, PROTIVA BIOTHERAPEUTICS, INC., located at 100-8900 Glenlyon Parkway, Burnaby, BC V5J 5J8, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignor, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 20 Dec 2012

  
\_\_\_\_\_  
James Heyes

SIGNATURE WITNESSED BY:

Dated: Dec 20, 2012



Signature of Witness

BARRY MCGURL

Printed Name

Dated: 21 Dec 2012



Mark Wood

SIGNATURE WITNESSED BY:

Dated: Dec 21, 2012



Signature of Witness

BARRY MCGURL

Printed Name

Dated: DEC 21 2012



Alan Martin

Dated: Dec 21, 2012

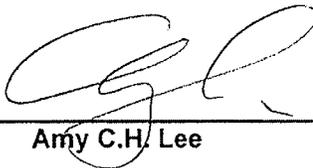


Signature of Witness

BARRY MCGURL

Printed Name

Dated: 02 January 2013



Amy C.H. Lee

SIGNATURE WITNESSED BY:

Dated: January 2, 2013

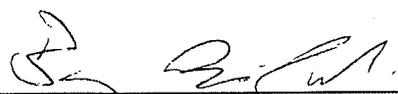


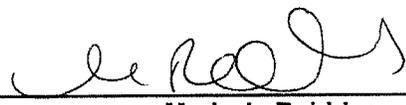
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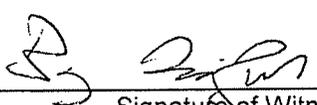
BARRY MCGURL

Printed Name

Dated: 20<sup>th</sup> Dec 2012   
Adam Judge

SIGNATURE WITNESSED BY:  
Dated: December 20, 2012   
Signature of Witness  
BARRY MCGURL  
Printed Name

Dated: Jan. 2, 2013   
Marjorie Robbins

SIGNATURE WITNESSED BY:  
Dated: Jan 2, 2013   
Signature of Witness  
BARRY MCGURL  
Printed Name

Dated: Jan 8, 2013   
Ian MacLachlan

SIGNATURE WITNESSED BY:  
Dated: Jan 8, 2013   
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BARRY MCGURL  
Printed Name