

## 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>Sunil Mehta</td> <td>07/06/2012</td> </tr> <tr> <td>Tod Herman</td> <td>07/06/2012</td> </tr> <tr> <td>Joe McMahon</td> <td>07/10/2012</td> </tr> <tr> <td>Stephen Wilson</td> <td>07/06/2012</td> </tr> <tr> <td>Ian Fitzpatrick</td> <td>07/06/2012</td> </tr> <tr> <td>Timothy Craig</td> <td>07/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Sunil Mehta	07/06/2012	Tod Herman	07/06/2012	Joe McMahon	07/10/2012	Stephen Wilson	07/06/2012	Ian Fitzpatrick	07/06/2012	Timothy Craig	07/06/2012
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RECEIVING PARTY DATA															
Name:	KBI Biopharma, Inc.														
Street Address:	1101 Hamlin Road														
Internal Address:	P.O. Box 15579														
City:	Durham														
State/Country:	NORTH CAROLINA														
Postal Code:	27704														
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>13499807</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13499807										
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Application Number:	13499807														
CORRESPONDENCE DATA															
Fax Number:															
Phone:	919-854-1400														
Email:	jadair@myersbigel.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
Correspondent Name:	MYERS BIGEL SIBLEY & SAJOVEC														
Address Line 1:	PO BOX 37428														
Address Line 4:	RALEIGH, NORTH CAROLINA 27627														
ATTORNEY DOCKET NUMBER:	9775-11														

CH \$40.00 13499807

NAME OF SUBMITTER:

Stephen J. Petroski

Total Attachments: 8

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**ASSIGNMENT**

THIS ASSIGNMENT, made by us, **Sunil Mehta**, a citizen of India, residing at 2109 Jadewood Drive, Morrisville, NC 27560; **Tod Herman**, a citizen of the United States of America, residing at 5624 Bowater Crossing, Hillsborough, NC 27278; **Joe McMahon**, a citizen of the United States of America, residing at 102 Falkner Drive, Chapel Hill, NC 27517; **Stephen Wilson**, a citizen of Australia, residing at 2 Stanley St, Kew, Australia, 3101; **Ian Fitzpatrick**, a citizen of Australia, residing at 129 Tennyson St, Elwood, Australia, 3184; and **Timothy Craig**, a citizen of Australia, residing at 38 Bayview Road, Tooradin, Australia, 3980;

WITNESSETH: That,

WHEREAS, we are joint inventors of certain new and useful improvements in **METHODS, SYSTEMS AND APPARATUS FOR MANIPULATING PARTICLES** for which U.S. Patent Application No. 13/499,807 was filed on April 2, 2012 in the United States Patent and Trademark Office. I hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert, in the blank spaces above, the filing date and application number of said application when known; and

WHEREAS, **KBI Biopharma, Inc.**, a Delaware corporation, having its principal place of business at 1101 Hamlin Road, PO Box 15579, Durham, NC 27704, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 6<sup>th</sup> day of July, 2012.

*Sunil Mehta* (SEAL)  
Sunil Mehta

Witnessed by: *Rachel Rogers*

Printed Name: Rachel Rogers

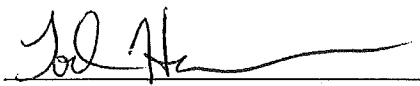
Date: 7/6/12

Witnessed by: *Ed Fulton*

Printed Name: Ed Fulton

Date: 7/6/12

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 6<sup>th</sup> day of July, 2012.

  
\_\_\_\_\_  
Tod Herman (SEAL)

Witnessed by: Jeff Pederson

Printed Name: Jeff A. Pederson


Date: 06 Jul 2012

Witnessed by: Rachel Rogers

Printed Name: Rachel Rogers

Date: 7/16/12

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 10 day of July, 2012.

  
\_\_\_\_\_  
Joe McMahon (SEAL)

Witnessed by: P. E. Kreiselman

Printed Name: P. E. KREISELMAN

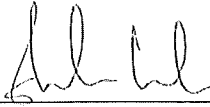
Date: 10 JUL 12

Witnessed by: 

Printed Name: Tonya Howe

Date: 10 July 2012

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 6<sup>th</sup> day of  
JULY, 2012.



\_\_\_\_\_  
Stephen Wilson

(SEAL)

Witnessed by:  \_\_\_\_\_

Printed Name: BRIAN HANRAHAN \_\_\_\_\_

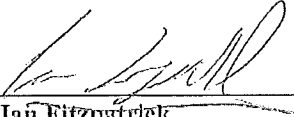
Date: 6 July 2012. \_\_\_\_\_


Witnessed by:  \_\_\_\_\_

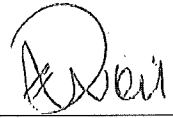
Printed Name: ROBERT NEIL \_\_\_\_\_

Date: 6<sup>th</sup> July 2012 \_\_\_\_\_

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 6 day of JULY, 2012.

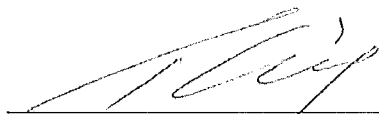
  
\_\_\_\_\_  
Ian Fitzpatrick (SEAL)

Witnessed by:   
Printed Name: BRIAN HANRAHAN  
Date: 6 July 2012

Witnessed by:   
Printed Name: ROBERT NEIL  
Date: 6<sup>th</sup> July 2012



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 6 day of  
July, 2012.

  
\_\_\_\_\_  
Timothy Craig (SEAL)

Witnessed by:   
\_\_\_\_\_

Printed Name: BRIAN HANRAHAN  
\_\_\_\_\_

Date: 6 July 2012  
\_\_\_\_\_

Witnessed by:   
\_\_\_\_\_

Printed Name: ROBERT NEIL  
\_\_\_\_\_

Date: 6<sup>th</sup> July 2012  
\_\_\_\_\_

WHEREBY KBI Biopharma, Inc. acknowledges and accepts the assignment;

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 6<sup>th</sup> day of July, 2012. The undersigned warrants and represents that he/she has the authority to sign this Assignment on behalf of the Assignee, KBI Biopharma, Inc.

By: Andrew B. Cochran (SEAL)

Title: Vice President and General Counsel

STATE OF North Carolina

COUNTY OF Durham

Before me personally appeared the person described in and who executed the foregoing instrument, and he/she acknowledged to me that he/she executed the same for the purposes therein stated, this 6<sup>th</sup> day of July, 2012.

Emily M. Neely  
Notary Public

SEAL

My Commission Expires: 9/21/2013

