

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>William Bourn</td> <td>10/20/2011</td> </tr> <tr> <td>Maryke Appel</td> <td>10/20/2011</td> </tr> <tr> <td>Gavin Rush</td> <td>10/20/2011</td> </tr> <tr> <td>John Foscett</td> <td>10/20/2011</td> </tr> <tr> <td>Paul McEwan</td> <td>10/20/2011</td> </tr> </tbody> </table>		Name	Execution Date	William Bourn	10/20/2011	Maryke Appel	10/20/2011	Gavin Rush	10/20/2011	John Foscett	10/20/2011	Paul McEwan	10/20/2011
Name	Execution Date												
William Bourn	10/20/2011												
Maryke Appel	10/20/2011												
Gavin Rush	10/20/2011												
John Foscett	10/20/2011												
Paul McEwan	10/20/2011												
<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>KapaBiosystems</td> </tr> <tr> <td><b>Street Address:</b></td> <td>600 West Cummings Park</td> </tr> <tr> <td><b>Internal Address:</b></td> <td>Suite 5350</td> </tr> <tr> <td><b>City:</b></td> <td>Woburn</td> </tr> <tr> <td><b>State/Country:</b></td> <td>MASSACHUSETTS</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>01801</td> </tr> </table>		<b>Name:</b>	KapaBiosystems	<b>Street Address:</b>	600 West Cummings Park	<b>Internal Address:</b>	Suite 5350	<b>City:</b>	Woburn	<b>State/Country:</b>	MASSACHUSETTS	<b>Postal Code:</b>	01801
<b>Name:</b>	KapaBiosystems												
<b>Street Address:</b>	600 West Cummings Park												
<b>Internal Address:</b>	Suite 5350												
<b>City:</b>	Woburn												
<b>State/Country:</b>	MASSACHUSETTS												
<b>Postal Code:</b>	01801												
<b>PROPERTY NUMBERS Total: 1</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td><b>PCT Number:</b></td> <td>US0963167</td> </tr> </tbody> </table>		Property Type	Number	<b>PCT Number:</b>	US0963167								
Property Type	Number												
<b>PCT Number:</b>	US0963167												
<b>CORRESPONDENCE DATA</b>													
<p> <b>Fax Number:</b> (617)502-5002  <b>Phone:</b> 617-248-5000  <b>Email:</b> kwells@choate.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> </p> <p> <b>Correspondent Name:</b> Choate Hall &amp; Stewart LLP  <b>Address Line 1:</b> Two International Place  <b>Address Line 4:</b> Boston, MASSACHUSETTS 02110         </p>													
<b>ATTORNEY DOCKET NUMBER:</b>	2006735-0014												

OP \$40.00 US0963167

501703396

**PATENT**  
**REEL: 027125 FRAME: 0059**

NAME OF SUBMITTER:

Paul A. Nuzzi, PhD

**Total Attachments: 8**

source=Executed\_Assignment#page1.tif

source=Executed\_Assignment#page2.tif

source=Executed\_Assignment#page3.tif

source=Executed\_Assignment#page4.tif

source=Executed\_Assignment#page5.tif

source=Executed\_Assignment#page6.tif

source=Executed\_Assignment#page7.tif

source=Executed\_Assignment#page8.tif

**JOINT ASSIGNMENT**

WHEREAS, each of the below-named inventors whose name and residence is set forth in the following Table 1:

<b>Inventor Name</b>	<b>City, State</b>
<b>1. William Bourn</b>	Plumstead, Western Cape, South Africa
<b>2. Maryke Appel</b>	Milnerton, Western Cape, South Africa
<b>3. Gavin Rush</b>	Rosebank, Western Cape, South Africa
<b>4. John Foskett</b>	Camps Bay, Western Cape, South Africa
<b>5. Paul McEwan</b>	Camps Bay, Western Cape, South Africa

Table 1

hereby declares and agrees, on behalf of himself/herself and all of his/her successors and assigns that each is aware of the patent applications entitled:

**MODIFIED TYPE A DNA POLYMERASES; and**

- ☐ prepared for filing in the United States Patent and Trademark Office; or
- ☐ identified by United States Application Serial No. \_\_\_\_\_ filed in the United States Patent and Trademark Office on \_\_\_\_\_; and
- ☒ identified by International Patent Application No.. **PCT/US09/63167** filed on **November 3, 2009**; and
- ☒ and am also aware of the following priority applications:

**Serial No.: 61/110877; Filed: November 3, 2008**

WHEREAS **KapaBiosystems** (hereinafter "ASSIGNEE"), having a usual place of business at **600 West Cummings Park, Suite 5350, Woburn, MA 01801**, desires to acquire or confirm an interest therein;

NOW, THEREFORE, to all whom it may concern be it known that, in consideration of agreements previously and duly entered into between the parties, and/or for other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, and transferred and/or do hereby sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title, and interest in and throughout the United States of America, its territories and all foreign countries, in and to any and all inventions

described in the patent application, and/or any priority applications noted above; and hereby confirm that my sale, assignment, and/or transfer is and was effective at least as of the filing date of the patent application and/or priority application. My sale, assignment and/or transfer applies to the above-referenced patent application, and to any application that is based in whole or in part on the patent application, including to divisional, continuing, substitute, renewal, reissue, reexamination and other applications, for example that claim priority to the patent application. Also, this sale, assignment, transfer pertains to any and all other rights arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property, including all rights of priority under the International Convention for the Protection of Industrial Property, and in and to any such patent(s) as may issue thereon including any and all original and reissued patents which have been or shall be issued in the United States and foreign countries; said inventions, applications, and patent(s) to be held and enjoyed by ASSIGNEE for its own use and for its successors, assigns and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by me had this sale, assignment and transfer not been made;

AND, I hereby acknowledge that this Assignment, being of my entire right, title, and interest in and to the inventions, carries with it the right in ASSIGNEE, by attorneys and agents of ASSIGNEE selection, to apply for and receive any and all patent(s) for said inventions in its own name;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the patent(s) to ASSIGNEE, its successors, assignees, and legal representatives, but at its expense and charges, including the execution of application for patents in foreign countries, the execution of substitution, reissue, divisional or continuation applications, and the giving of testimony, preliminary statements, or other statements in any interference or other proceeding in which the inventions or any applications or patents directed to the inventions may be involved by communicating to the ASSIGNEE all facts I know relating to the inventions and their history, and generally by doing everything possible which ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for the inventions and for vesting title in the inventions and all applications for patent and all patents on the inventions in ASSIGNEE;

AND, I further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number(s) and/or filing date(s) into this assignment document, if appropriate;

AND, I hereby appoint ASSIGNEE as my common agent for purposes of prosecuting international patent applications and any national patent applications for which such common agency is recognized;

AND, I hereby request the Director of Patents and Trademarks of the United States to issue any and all patent(s) as shall be granted upon said application or applications based thereon to ASSIGNEE, its successors, assigns, and legal representatives;

AND, I covenant with said ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

Wm.  
Name: **William Bourn**

20 OCTOBER 2011  
Date

Witness Signature: Paul Mewan

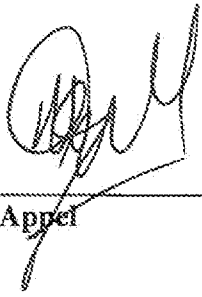
PAUL MEWAN  
Name (please print):

20 OCTOBER 2011  
Date

Witness Signature: GRL

Gavin Rush  
Name (please print):

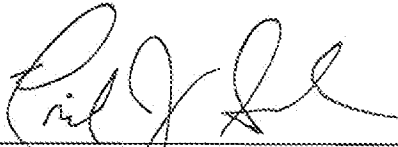
20 October 2011  
Date



Name: Maryke Appel

October 20<sup>th</sup>, 2011  
Date

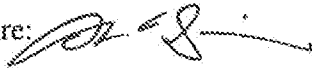
Witness Signature:



Name (please print): Erick J. Suh

10-20-2011  
Date

Witness Signature:



Chris McGuinness  
Name (please print):

10-20-2011  
Date

19RL  
Name: **Gavin Rush**

20 October 2011  
Date

Witness Signature: 19RL  
Paul McEwan

PAUL MCEWAN  
Name (please print):

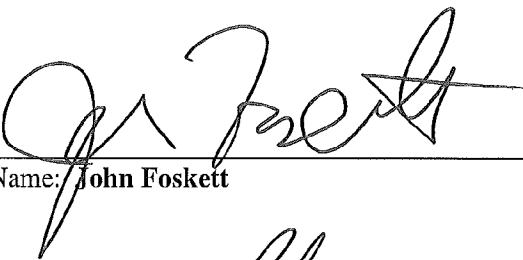
20 OCTOBER 2011  
Date

Witness Signature: John Fossitt


JOHN FOSKETT  
Name (please print):

20 OCTOBER 2011  
Date




  
Name: John Foscett

20 OCTOBER 2011  
Date

Witness Signature: 

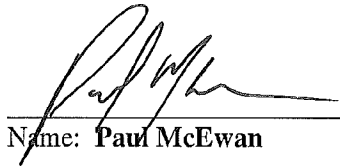
PAUL MEWAN  
Name (please print):

20 OCTOBER 2011  
Date


Witness Signature: 

Gavin Rush  
Name (please print):


20 October 2011  
Date

  
Name: Paul McEwan

20 OCTOBER 2011  
Date

Witness Signature:   
JOHN FOSTETT  
Name (please print):

20 OCTOBER 2011  
Date

Witness Signature:   
GAVIN RUSH  
Name (please print):

20 October 2011  
Date