PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Paul McEwan	03/14/2011
Maryke Appel	03/14/2011
Gavin Rush	03/14/2011
John Foskett	03/14/2011
William Bourn	03/14/2011

RECEIVING PARTY DATA

Name:	Kapa Biosystems
Street Address:	600 West Cummings Park
Internal Address:	Suite 5350
City:	Woburn
State/Country:	MASSACHUSETTS
Postal Code:	01801

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13061940

CORRESPONDENCE DATA

(617)502-5002 Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

617-248-5000 Phone:

Email: patentdocket@choate.com Correspondent Name: Fangli Chen, PhD, JD Address Line 1: Choate, Hall & Stewart, LLP Address Line 2: Two International Place

Address Line 4: Boston, MASSACHUSETTS 02110

ATTORNEY DOCKET NUMBER: 2006735-0022

PATENT

REEL: 025972 FRAME: 0029

NAME OF SUBMITTER:	Fangli Chen, PhD, JD		
Total Attachments: 15			
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PATENT REEL: 025972 FRAME: 0030

WHEREAS, I, Paul MCEWAN of Camps Bay, Western Cape, South Africa, am aware of the patent application entitled:

MODIFIED TYPE A DNA POLYMERASE; and

		prepared for filing in the United States Patent and Trademark Office; or
United	⊠ States	identified by United States Application Serial No. 13/061,940 filed in the Patent and Trademark Office on March 2, 2011; and
		and am also aware of the following priority applications:
	33777777	DEAC MADA DIOCUCTEMS (hareinafter "ASSIGNEE") having a usual place

WHEREAS KAPA BIOSYSTEMS (hereinafter "ASSIGNEE"), having a usual place of business at 600 West Cummings Park, Suite 5350, Woburn, Massachusetts, 01801, United States of America, 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, and/or 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 and/or intellectual property, including all rights of priority under the Paris 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/or 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;

Attorney Docket No: 2006735-0022

Page 1 of 3

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.

Pufm	14 MARCH ZOII
Name: Paul MCEWAN	Date
Witness Signature:	
MARYKE APPEL	14 March 201
Name (please print):	Date
Witness Signature:	
Gavin Rush 411-	14 March 2011
Name (please print):	Date

WHEREAS, I, Maryke APPEL of Milnerton, Western Cape, South Africa, am aware of the patent application entitled:

MODIFIED TYPE A DNA POLYMERASE; and

	prepared for filing in the United States Patent and Trademark Office; or
United States	identified by United States Application Serial No. 13/061,940 filed in the Patent and Trademark Office on March 2, 2011; and
	and am also aware of the following priority applications:
WHE	REAS KAPA RIOSVSTEMS (hereinafter "ASSIGNEE") having a usual place

WHEREAS KAPA BIOSYSTEMS (hereinafter "ASSIGNEE"), having a usual place of business at 600 West Cummings Park, Suite 5350, Woburn, Massachusetts, 01801, United States of America, 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, and/or 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 and/or intellectual property, including all rights of priority under the Paris 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/or 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;

Attorney Docket No: 2006735-0022

Page 1 of 3

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- 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;
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- 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.

age!	14 March 201
Name: Maryke APPEL	Date
Witness Signature:	
PAUL MIEWAN	14 MARCH 2011
Name (please print):	Date
Witness Signature: Gauin Rush ML	14 March 2011
Name (please print):	Date

WHEREAS, I, Gavin RUSH of Rosebank, Western Cape, South Africa, am aware of the patent application entitled:

MODIFIED TYPE A DNA POLYMERASE; and

		prepared for filing in the United States Patent and Trademark Office; or
United	States	identified by United States Application Serial No. 13/061,940 filed in the Patent and Trademark Office on March 2, 2011; and
		and am also aware of the following priority applications:
	WHEE	REAS KAPA BIOSYSTEMS (hereinafter "ASSIGNEE"), having a usual place

WHEREAS KAPA BIOSYSTEMS (hereinafter "ASSIGNEE"), having a usual place of business at 600 West Cummings Park, Suite 5350, Woburn, Massachusetts, 01801, United States of America, 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, and/or 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 and/or intellectual property, including all rights of priority under the Paris 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/or 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:

Attorney Docket No: 2006735-0022

Page 1 of 3

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- 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.

KIRL	14 March 2011
Name: Gavin RUSH	Date
Witness Signature:	
PAUL MIEWAN	14 MARCH 2011
Name (please print):	Date
Witness Signature: MT Inluth	
JOHN POSPETT	19 MARUH 2011
Name (please print):	Date

WHEREAS, I, **John FOSKETT** of Camps Bay, Western Cape, South Africa, am aware of the patent application entitled:

MODIFIED TYPE A DNA POLYMERASE; and

		prepared for filing in the United States Patent and Trademark Office; or
United	⊠ States	identified by United States Application Serial No. 13/061,940 filed in the Patent and Trademark Office on March 2, 2011; and
		and am also aware of the following priority applications:
	WHE	DEAC KADA DIOSVSTEMS (haroinofter "ASSIGNEE") having a yourd place

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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, and/or 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 and/or intellectual property, including all rights of priority under the Paris 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/or transfer not been made;

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Attorney Docket No: 2006735-0022

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Name John FOSKETT	14-MARCH 2011 Date
Witness Signature: Govern Rush	14 Meuch 2011
Name (please print): Witness Signature:	Date
Name (please print):	14 MARCH 2011 Date

WHEREAS, I, William BOURN of Plumstead, Western Cape, South Africa am aware of the patent application entitled:

MODIFIED TYPE A DNA POLYMERASE; and

		prepared for filing in the United States Patent and Trademark Office; or
United	⊠ States	identified by United States Application Serial No. 13/061,940 filed in the Patent and Trademark Office on March 2, 2011; and
		and am also aware of the following priority applications:
	33777777	DEAG IZADA DIOCNODENIO (L

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	14 TH MARCH ZOI
Name: William BOURN	Date
Witness Signature:	
PAUL MCEWAN Name (please print):	<u>/4 MARCH 2011</u> Date
Witness Signature:	
Name (please print):	14 March 2011 Date

Attorney Docket No: 2006735-0022

RECORDED: 03/17/2011