PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHEA N. GARDNER	11/07/2003
RAYMOND P. MARIELLA JR.	11/17/2003
ALLEN T. CHRISTIAN	11/19/2003
JENNIFER A. YOUNG	11/26/2003
DAVID S. CLAGUE	12/02/2003

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PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	8470537

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ATTORNEY DOCKET NUMBER:	IL-11191B	
NAME OF SUBMITTER:	MARK H. LOUGH	
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DATE SIGNED:	06/02/2014	

Total Attachments: 3

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	entor's Names:	1				<u> </u>	
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	l. Gardner	1	1111 Franklin Street				
	ond P. Mariella, Jr. Γ. Christian						
	er A. Young		Oakland, CA 94612-3550				
1	S. Clague Č						
Attorney	/ Docket No.: IL-11191						
3. Natu	re of conveyance:	_				· · · · · · · · · · · · · · · · · · ·	
	Assignment	Execu	ution	Date:	12/2/20	003	
4. Appl	ication number(s) or patent num	ber(s):	IL-1	1191	korensuserannalista araaan		
If this	document is being filed together with a	a new					
applic	cation, the execution date of the applica	ation is:	12/2	/2003			**************************************
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	and address of party to whom corresponding document should be mailed:	ondence	idence 6. Total Number of applications and patents involved: ONE			ents involved:	
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Address:	Lawrence Livermore Nat. Labo	ratory		Enclos	sed		
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ASSIGNMENT

	L Case No.: IL-11191				
8	good and valuable consideration the receipt o		,		
1	Shea N. Gardner	2.	Raymond P. Mariella, Jr.		
3/	Allen T. Christian	4.	Jennifer A. Young		
5. <u> </u>	David S. Clague	6.			
7. <u>/</u>	<u> </u>	8.			
9. <u>/</u>	<i>II</i>	10.	<u> </u>		
hereby sells, assigns and transfers to ASSIGNEE, the Regents of the University of California, a California Corporation, having its statewide administrative offices located at 1111 Franklin Street, Oakland, California 94607-5200, and the successors, assigns and legal representative of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:					
	UENTIAL ADDITION OF SHORT DNA O	LIGO	S IN DNA-POLYMERASE-BASED SYNTHESIS		
and v	which is found in				
	U.S. patent application executed on 12/listing the above named persons as inve	2/20 entors	, entitled as above and		
	U.S. patent application serial no.		, filed on		
	U. S. patent no, issued				
and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;					
	IGNOR(S) hereby covenants that no assignnatered into which would conflict with this assig		sale, agreement or encumbrance has been or will be made nt;		
ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.					
the l			of Patents and Trademarks to issue said Letters Patent of reof to the ASSIGNEE, the Regents of the University of		
exec	uted this	5	Signature of Inventor(s)		
_1/,	/ <u>2/03</u> Date	4	Mex 4 Landon 1/02/03 Shea N. Gardner		

LLNL Case No.: <u>IL-11191</u>	
executed this 17 2005 Date	Signature of Inventor(s) Raymond P. Mariella, Jr.
executed this 191003 Date	Signature of Inventor(s) Allen T. Christian
executed this 26 100 03 Date	Signature of Inventor(s) Jennifer & Young
executed this $ \begin{array}{c c} & 12/2/03 \\ \hline & Date \end{array} $	Signature of Inventor(s)

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RECORDED: 06/02/2014