503849648 05/31/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY	DATA				
		Name		Execution Date	
SCOTT R. BORTNER				10/28/2008	
RECEIVING PARTY D	ΔΤΑ				
Name:	APPLIE	APPLIED BIOSYSTEMS INC.			
Street Address:	850 LIN	850 LINCOLN CENTRE DRIVE			
City:	FOSTEF	FOSTER CITY			
State/Country:	CALIFO	CALIFORNIA			
Postal Code:	94404				
		3860769			
Property Type		Number			
ADDIICATION NUMBER:		3800/09			
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CORRESPONDENCE					
CORRESPONDENCE Fax Number:	: DATA (760)476-6048			
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Application No.: 12/200,595 Filing Date: August 28, 2008

ASSIGNMENT

WHEREAS, I, Scott R. Bortner, a U.S. citizen, residing at 925 Elsinore Drive, Palo Alto, CA 94303, have invented certain new and useful improvements in a ALTERNATIVE NUCLEIC ACID SEQUENCING METHODS for which I have filed an application for Letters Patent in the United States, 12/200,595 filed August 28, 2008;

AND WHEREAS, Applied Biosystems Inc. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 850 Lincoln Centre Drive, Foster City, CA 94404-1128, desires to acquire the entire right, title, and interest in and to said improvements and said Application:

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, I, said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and said application including all provisional applications relating thereto (including but not limited to U.S. Provisional Application No. 60/968,834, filed August 29, 2007 (respectively if plural applications)), and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND I HEREBY covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

PATENT REEL: 038754 FRAME: 0600

Application No.: 12/200,595 Filing Date: August 28, 2008 Client Code: ABIOS.076A Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 28^{-} day of $0 + 66 + 28^{-}$, 20^{0} day.

Scott R. Bortner

STATE OF California ss.

On <u>October 28,2003</u>, before me, <u>Cherry L R. Gomez</u>, notary public, personally appeared Scott R. Bortner who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]

Cherry R.



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RECORDED: 05/31/2016