

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3867955

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MUHAMMAD A. SHARAF	06/12/2007
TIMOTHY M. WOUTENBERG	06/06/2007
K. BASHAR MULLAH	06/13/2007
RECEIVING PARTY DATA	
Name:	APPLERA CORPORATION
Street Address:	850 LINCOLN CENTER DRIVE
City:	FOSTER CITY
State/Country:	CALIFORNIA
Postal Code:	94404
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14790369
CORRESPONDENCE DATA	
Fax Number:	(760)476-6048
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	760-603-7200
Email:	lifetechdocket@system.foundationip.com
Correspondent Name:	JOHN SCHELL
Address Line 1:	5823 NEWTON DRIVE
Address Line 4:	CARLSBAD, CALIFORNIA 92008
ATTORNEY DOCKET NUMBER:	5693 CON 3
NAME OF SUBMITTER:	MARY K. CHACON
SIGNATURE:	/Mary K. Chacon/
DATE SIGNED:	05/11/2016
Total Attachments: 4	
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ASSIGNMENT

WHEREAS, the undersigned,

Muhammad A. Sharaf, resident of **96 Sequoyah View Drive, Oakland, CA 94605;**

Timothy M. Woudenberg, resident of **120 Arbor Lane, Moss Beach, CA 94038;**

K. Bashar Mullah, resident of **32804 Regents Boulevard, Union City, CA 94587;**

("referred to as "Inventor") have invented certain new and useful improvements in "**METHODS OF DETECTING TARGET NUCLEIC ACIDS**" and have executed an application for U. S. Application having Serial No. 11/685,189, filing date of March 12, 2007 and

WHEREAS, **APPLERA CORPORATION** (hereinafter termed "Assignee"), a corporation of the State of Delaware having a place of business at **850 Lincoln Center Drive, Foster City, California 94404**, desires to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventor (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration, receipt and sufficiency of which is acknowledged by said Inventor to have been received in full from said Assignee:

1. Said Inventor does hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other

papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, his/her respective heirs, legal representatives and assigns.

4. Said Inventor hereby warrants and represents that he/she has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee.

Date 6-12-2007

By: Muhammad A. Sharaf
Muhammad A. Sharaf

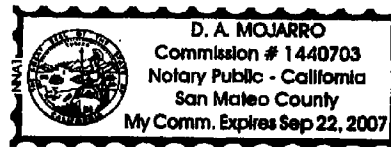
County of San Mateo,)
State of California,) SS.

On this 12th day of June, in the year 2007, before me, D.A. Mojarro,
Notary Public, personally appeared **Muhammad A. Sharaf**, personally known to me (or
proved to me on the basis of evidence) to be the person whose name is subscribed to the
within instrument, and acknowledged to me that he/~~she~~ executed the same in his/~~her~~
authorized capacity, and that by his/~~her~~ signature on the instrument, the person or the
entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Seal

Signature D.A. Mojarro
(Notary Public)




Date Jun 6, 2007

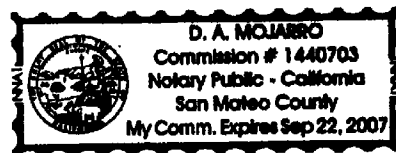
By 
Timothy M. Woudenberg

County of San Mateo)
State of California) SS.

On this 6th day of June, in the year 2007, before me, D.A. Mojarro,
Notary Public, personally appeared **Timothy M. Woudenberg**, personally known to me
(or proved to me on the basis of evidence) to be the person whose name is subscribed to
the within instrument, and acknowledged to me that he/~~she~~ executed the same in his/~~her~~
authorized capacity, and that by his/~~her~~ signature on the instrument, the person or the
entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal.

Seal

Signature 
(Notary Public)



Date 6/13/07


By: 
K. Bashar Mullah

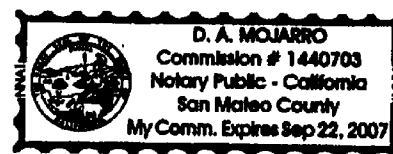
County of San Mateo)
State of California) SS.

On this 6th day of June, in the year 2007, before me, D.A. Mojarro,
Notary Public, personally appeared **K. Bashar Mullah**, personally known to me (or
proved to me on the basis of evidence) to be the person whose name is subscribed to the
within instrument, and acknowledged to me that he/~~she~~ executed the same in his/~~her~~
authorized capacity, and that by his/~~her~~ signature on the instrument, the person or the
entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Seal

Signature 
(Notary Public)



13462844.1.BUSINESS

Serial No. 11/685,189

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RECORDED: 07/02/2007

PATENT
REEL: 019509 FRAME: 0125

RECORDED: 05/11/2016

PATENT
REEL: 038547 FRAME: 0851