

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2815413

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | ROCHE DIAGNOSTICS OPERATIONS, INC. | 04/15/2014 |
| RECEIVING PARTY DATA | | |
| Name: | Roche Molecular Systems, Inc. | |
| Street Address: | 4300 Hacienda Drive | |
| City: | Pleasanton | |
| State/Country: | CALIFORNIA | |
| Postal Code: | 94588 | |
| PROPERTY NUMBERS Total: 1 | | |
| | Property Type | Number |
| | Application Number: | 13163500 |
| CORRESPONDENCE DATA | | |
| Fax Number: | (925)225-1128 | |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> | | |
| Phone: | 925-730-8559 | |
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| Correspondent Name: | MISTY PRASAD | |
| Address Line 1: | 4300 HACIENDA DRIVE | |
| Address Line 2: | PATENT DEPARTMENT | |
| Address Line 4: | PLEASANTON, CALIFORNIA 94588 | |
| ATTORNEY DOCKET NUMBER: | 19051-US3 | |
| NAME OF SUBMITTER: | CHARLES M. DOYLE | |
| SIGNATURE: | /Charles M Doyle/39175/ | |
| DATE SIGNED: | 04/15/2014 | |
| Total Attachments: 2 | | |
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ASSIGNMENT

Assignment Effective As Of January 15, 2014

WHEREAS, ROCHE DIAGNOSTICS OPERATIONS, INC. of 9115 Hague Road, Indianapolis, Indiana 46250, United States of America, a company organized under the Laws of the State of Delaware, and hereinafter referred to as *ASSIGNOR*, is the owner of the following United States Patents and Patent Applications:

| Serial No. | Patent No. | Filing Date | Issue Date | Title |
|------------|------------|-------------|------------|---|
| 12/549150 | 8024132 | 08/27/2009 | 09/20/2011 | Method for the Efficiency-Corrected Real-Time Quantification of Nucleic Acids |
| 13/163500 | | 06/17/2011 | | Method for the Efficiency-Corrected Real-Time Quantification of Nucleic Acids |

WHEREAS, ROCHE MOLECULAR SYSTEMS, INC., of 4300 Hacienda Drive, Pleasanton, California, United States of America, a Corporation organized under the Laws of the State of Delaware, hereinafter referred to as *ASSIGNEE*, is desirous of acquiring the entire rights, titles and interests in the said inventions, applications, issued patents, and in any Letters Patents which may be granted on the same in the United States of America and its territories;

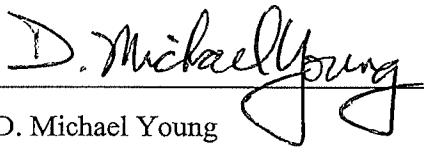
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for valuable consideration, receipt of which is hereby acknowledged, *ASSIGNOR* has sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said *ASSIGNEE*, and *ASSIGNEE'S* successors and assigns, all rights, titles and interests in and to the said inventions, said applications for United States Letters Patents, said Letters Patents, or any Letters Patents which may hereafter be granted on the same in the United States including any applications claiming priority under 35 U.S.C. §119(e), divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions thereof, said interest to be held and enjoyed by said *ASSIGNEE* as fully and exclusively as it would have been held and enjoyed by said *ASSIGNOR* had this assignment and transfer not been made, to the full end and term of any Letters Patents.

ASSIGNOR further agrees that it will, without charge to said *ASSIGNEE*, but at *ASSIGNEE'S* expense, cooperate with *ASSIGNEE* in the prosecution of said Patents and/or

applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as *ASSIGNEE* lawfully may request, to obtain or maintain Letters Patents for said inventions and improvement in any and all countries, and to vest title thereto in said *ASSIGNEE*, or *ASSIGNEE'S* successors and assigns.

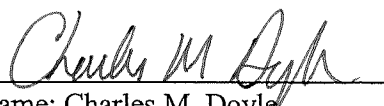
IN TESTIMONY WHEREOF, an authorized representative of *ASSIGNOR* has hereunto signed his name to this assignment on the date indicated below and *ASSIGEE* has accepted on the date indicated below.

ROCHE DIAGNOSTICS OPERATIONS, INC.

 4/15/14
D. Michael Young Date
Vice President & Chief Intellectual Property Counsel

Accepted by:

ROCHE MOLECULAR SYSTEMS, INC.

 4/15/14
Name: Charles M. Doyle Date
Title: Senior Director of Patents