# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4186814

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
ROCHE MOLECULAR SYSTEMS, INC.	11/28/2016

### **RECEIVING PARTY DATA**

Name:	454 LIFE SCIENCES CORPORATION
Street Address:	20 COMMERCIAL STREET
City:	BRANFORD
State/Country:	CONNECTICUT
Postal Code:	06405

## **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	14466063	

### **CORRESPONDENCE DATA**

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	454L-058/001US	
NAME OF SUBMITTER: CHRISTINA K. STOCK		
SIGNATURE:	/Christina K. Stock/	
DATE SIGNED:	12/15/2016	

# **Total Attachments: 3**

source=454L-058001US - Assignment from RMSI to 454 Life Sciences Corp#page1.tif source=454L-058001US - Assignment from RMSI to 454 Life Sciences Corp#page2.tif source=454L-058001US - Assignment from RMSI to 454 Life Sciences Corp#page3.tif

PATENT 504146968 REEL: 040941 FRAME: 0138

Case No. P31722-US-1 TO BE NOTARIZED

#### ASSIGNMENT AGREEMENT

Roche Molecular Systems, Inc. ("ASSIGNOR") a corporation duly organized under the laws of the State of Delaware, and having its principal place of business at 4300 Hacienda Drive, Pleasanton, California 94588, United States of America

acknowledges the previous transfer to / hereby assigns to

**454 Life Sciences Corporation** ("ASSIGNEE") a corporation duly organized under the laws of Delaware and having its principal place of business at 20 Commercial Street, Branford, Connecticut, 06405, United States of America,

for good and valuable consideration paid to ASSIGNOR by ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, of all right, title, and interest in, to, and deriving from the invention(s) disclosed in the patent application(s) set forth below and its possessions by operation of law, contract, or otherwise, and any Letters Patent which may hereafter be granted on the same including any application claiming priority, divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions thereof.

As far as the right, title, and interest of ASSIGNOR in, to, and deriving from the invention(s) disclosed in the patent application(s) set forth below may not have been transferred, for good and valuable consideration paid to ASSIGNOR by ASIGNEE, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby assigns, sells and transfers to ASSIGNEE, and to ASSIGNEE'S successors and assigns, all of ASSIGNOR'S right, title and interest in, to, and deriving from the invention(s) described in the patent application(s) listed below, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions thereof, or other patent applications claiming the benefit of the filing date of the following patent application(s):

Case No.	Country	Filing Date	Serial No.
P31722-US1	United States	22 August 2014	14/466,063

entitled

#### SYSTEM AND METHOD FOR NUCLEIC ACID AMPLIFICATION

ASSIGNEE, by virtue of this Assignment, shall have the right to file and own patent applications that claim priority to and are based in whole or in part on the patent application(s) cited above and to own Letters Patents that issue thereon. Accordingly, ASSIGNOR hereby authorizes and requests to issue any Letters Patent which may issue for such patent applications, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions thereof, to ASSIGNEE, its successors and assigns.

PATENT REEL: 040941 FRAME: 0139 Case No. P31722-US-1 TO BE NOTARIZED

ASSIGNOR does hereby covenant and agree with ASSIGNEE, its successors and assigns, that ASSIGNOR will not execute any writing or do any act conflicting with this assignment, and ASSIGNOR further agrees that he will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said Letters Patent 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 Patent for said invention and improvement in any and all countries, and to yest title thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.

AS	SIG	N	316

Roche Molecular Systems, Inc.

Pleasanton, CA

28 / New 12016

Place, Date

Charles M. Doyle, Senior Director, Patents

ASSIGNEE

454 Life Sciences Corporation

leusenton, on Norse, 1016

Signatures

Suja Subramaniam Senior Director, Patents

Case No. P31722-US-1 TO BE NOTARIZED

		ACKNOV	VLEDGMEN	T
United States of America				A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached and not the truthfulness accuracy or validity of that document.
State of California	7)			
	)	88.		
County of Alameda	)			
CHARLES M. DOYLE, who p subscribed to the within instru	roved to m ment and a	e on the basis o cknowledged t	of satisfactory to me that he	: <u>State of California</u> , personally appeared evidence to be the person whose name is executed the same in his authorized capacity, pon behalf of which the person acted, executed
I certify under PENALTY OF I and correct.	PERJURY t	inder the laws	of the State of	California that the foregoing paragraph is true
WITNESS my hand and officia	l seal.		A: 000	
	1.0			MISTY PRASAO Commission # 2130921 Notary Public - California Alameda County My Comm. Expires Nov 16, 2019

Notary Public