

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4669240

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DOUGLAS J DELLINGER	06/07/2017
SUBHADEEP ROY	05/29/2017
DANIEL E RYAN	04/20/2017
JEFFREY R SAMPSON	04/20/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AGILENT TECHNOLOGIES, INC.
<b>Street Address:</b>	5301 STEVENS CREEK BLVD
<b>Internal Address:</b>	MS: 1A-PB
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95051-7201
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15493129
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)884-2359
<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>	
<b>Phone:</b>	312-269-8023
<b>Email:</b>	dciecierski@ngelaw.com
<b>Correspondent Name:</b>	MICHAEL B. HARLIN
<b>Address Line 1:</b>	TWO NORTH LASALLE STREET
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60602
<b>ATTORNEY DOCKET NUMBER:</b>	20160085-02 (027644.8205)
<b>NAME OF SUBMITTER:</b>	MICHAEL B. HARLIN
<b>SIGNATURE:</b>	/Michael B. Harlin/
<b>DATE SIGNED:</b>	11/01/2017
<b>Total Attachments: 4</b>	
source=Assignment_signed#page1.tif	

source=Assignment\_signed#page2.tif

source=Assignment\_signed#page3.tif

source=Assignment\_signed#page4.tif

AGILENT TECHNOLOGIES, INC.,  
Legal Department  
Intellectual Property Administration  
5301 Stevens Creek Blvd.  
Santa Clara, CA 95051-7201

Attorney Docket No. 20160085-02

#### ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to AGILENT TECHNOLOGIES, INC., a Delaware corporation having its principal place of business in Santa Clara, California, (hereinafter AGILENT), in furtherance of my/our obligations to AGILENT, and do hereby assign and transfer to AGILENT, its successors and assigns, the entire right, title and interest, including the right of priority in, to and under an application for Letters Patent of the United States entitled: **High Specificity Genome Editing Using Chemically Modified Guide RNAs**

Filing date: April 20, 2017

Serial No.: 15/493,129

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (CIP's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, and any reissues, or reexaminations, or extensions of said Letters Patent.

I/We additionally authorize AGILENT to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by AGILENT, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made.

AND I/We hereby covenant that I/We have full right to convey the entire interest herein assigned, and that I/We have not executed and will not execute any agreement in conflict herewith, and I/We further covenant and agree that I/We will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to AGILENT, its successors, assigns, nominees or legal representatives, and I/We agree to communicate to AGILENT, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, CIP's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid AGILENT, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by AGILENT.

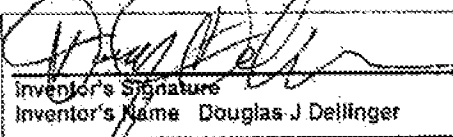
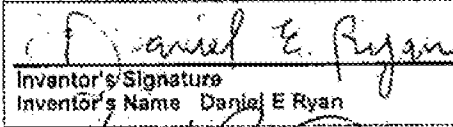

AND I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to AGILENT, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

AGILENT TECHNOLOGIES, INC.  
 Legal Department  
 Intellectual Property Administration  
 5301 Stevens Creek Blvd.  
 Santa Clara, CA 95051-7201

Attorney Docket No. 20160085-02

We further authorize and direct AGILENT attorneys to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

ASSIGNMENT OF PATENT APPLICATION (con't)

 Inventor's Signature Inventor's Name Douglas J Dellinger	Date Assignment Signed <u>6/7/2017</u> Date Application Signed <u>6/7/2017</u>
Inventor's Signature Inventor's Name Subhadeep Roy	Date Assignment Signed _____ Date Application Signed _____
 Inventor's Signature Inventor's Name Daniel E Ryan	Date Assignment Signed <u>4-20-2017</u> Date Application Signed <u>4-20-2017</u>
 Inventor's Signature Inventor's Name Jeffrey R Sampson	Date Assignment Signed <u>4/20/17</u> Date Application Signed <u>4/20/17</u>

26147629.1

Rev 03/07/08

AGILENT TECHNOLOGIES, INC.  
Legal Department  
Intellectual Property Administration  
5301 Stevens Creek Blvd.  
Santa Clara, CA 95051-7201

Attorney Docket No. 20160088-02

#### ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to AGILENT TECHNOLOGIES, INC., a Delaware corporation having its principal place of business in Santa Clara, California, (hereinafter AGILENT), in furtherance of my/our obligations to AGILENT, and do hereby assign and transfer to AGILENT, its successors and assigns, the entire right, title and interest, including the right of priority in, to and under an application for Letters Patent of the United States entitled: High Specificity Genome Editing Using Chemically Modified Guide RNAs

Filing date: April 20, 2017

Serial No.: 15/493,129

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (CIP's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, and any reissues, or reexaminations, or extensions of said Letters Patent.

I/we additionally authorize AGILENT to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by AGILENT, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made.

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to AGILENT, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to AGILENT, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, CIP's, reissues and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid AGILENT, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by AGILENT.

AND I/we hereby authorize and request the Commissioner of Patents and Trademarks 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 to AGILENT, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.


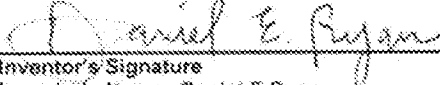
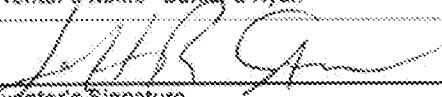
Rev 03-07-08

AGILENT TECHNOLOGIES, INC.  
Legal Department  
Intellectual Property Administration  
5301 Stevens Creek Blvd.  
Santa Clara, CA 95051-7201

Attorney Docket No. 20160085-02

I/we further authorize and direct AGILENT attorneys to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

**ASSIGNMENT OF PATENT APPLICATION (con't)**

Inventor's Signature Inventor's Name Douglas J Dellinger	Date Assignment Signed _____ Date Application Signed _____
 Inventor's Signature Inventor's Name Subhadeep Roy	Date Assignment Signed <u>05/29/2017</u> Date Application Signed <u>05/29/2017</u>
 Inventor's Signature Inventor's Name Daniel E Ryan	Date Assignment Signed <u>4-20-2017</u> Date Application Signed <u>4-20-2017</u>
 Inventor's Signature Inventor's Name Jeffrey R Sampson	Date Assignment Signed _____ Date Application Signed _____

261476201

Rev 03/07/08

2