PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	RESUBMISSION
NATURE OF CONVEYANCE:	ASSIGNMENT
RESUBMIT DOCUMENT ID:	504856667

CONVEYING PARTY DATA

Name	Execution Date
DIRK ZIMMERMANN	03/23/2018

RECEIVING PARTY DATA

Name:	QIAGEN INSTRUMENTS AG
Street Address:	GARSTLIGWEG 8
City:	HOMBRECHTIKON
State/Country:	SWITZERLAND
Postal Code:	8634

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15215234

CORRESPONDENCE DATA

Fax Number: (510)788-8786

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.

Phone: 5107888781

Email: aaeverson@medlencarroll.com,rldalton@medlencarroll.com,docketing@medlencarroll

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Address Line 1: 1440 BROADWAY, SUITE 1010
Address Line 4: OAKLAND, CALIFORNIA 94612

ATTORNEY DOCKET NUMBER:	INTELLI-18328	
NAME OF SUBMITTER:	ABBY EVERSON	
SIGNATURE:	/abby everson/	
DATE SIGNED:	08/08/2018	

Total Attachments: 3

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PATENT REEL: 046591 FRAME: 0552

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UNITED STATES PATENT AND TRADEMARK OFFICE

Under Secretary of Commerce for Intellectual Property and Director of the United States Patent and Trademark Office

July 20, 2018

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MEDLEN AND CARROLL, LLP 1440 BROADWAY, SUITE 1010 OAKLAND, CA 94612



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REEL: 046591 FRAME: 0553

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ASSIGNMENT

WHEREAS, I. Dirk Zimmermann, bereinster referred to as "ASSEGNOR", have invented centain new and medal improvements as described and set forth in the below-identified application for United States Letters Patent.

Tiels of Invention Modular Flow Cells and methods of sequencing

Filling Date: 07/20/2016

Serial No.: 15/215,234

WHEREAS, QIAGEN INSTRUMENTS AG, Garatigueg 8, Hombrechtikon, Switzerland, \$634, herein other referred to as "ASSIGNEE", is desirous of acquiring the enter right, trie and interest in said invention and application and in any Letters Facinity which may be granted on the same.

NOW THERESTRIC, TO ALL, WHOM IT MAY CONCIDES. Be it known that, for and in consideration of the name of Que Dollar (\$1.00) lawful money paid to ASSICNOR by ASSICNEE and other good and valuable consideration, except of which is bereby acknowledged. ASSIGNOR has sold assigned and transferred, and by these presents does will, using a and lawfully had ASSICNEE, and ASSIGNEE's exceptors and assigns, all right, inde and interest in and in said invention, and application for United States Patent which may hereafter be granted on the same in the United States and all common throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conventions, its way, professions of calculations thereof, said interest to be held and enjoyed by said ASSICNOR had this assignment and transfer not been made, to the full out and term of any Letters Valent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNOR, but of ASSIGNOR expense, cooperate with ASSIGNOR in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reason 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 all all committee, and to year title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHE	rjæjp" assigni	OK has heresinso signed AS	HGNOR's names to this assignment on the date trick	and the
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Dak Zimmermann	1	Date		
STATEOF				
COUNTY OF		**		
COLUMN I CA				
On this day of		in the year of	before me, the moderniqued costacy public, perso	nally
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PATENT REEL: 046591 FRAME: 0554 504856667 04/06/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4903406 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DIRK ZIMMERMANN	03/23/2018

RECEIVING PARTY DATA

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City:	HOMBRECHTIKON
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Correspondent Name:MEDLEN AND CARROLL, LLPAddress Line 1:1440 BROADWAY, SUITE 1010Address Line 4:OAKLAND, CALIFORNIA 94612

ATTORNEY DOCKET NUMBER: INTELLI-18328

NAME OF SUBMITTER: ABBY EVERSON

SIGNATURE: /abby everson/

DATE SIGNED: 04/06/2018

Total Attachments: 2

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RECORDED: 04/06/2018 REEL: 046591 FRAME: 0555