

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM481250

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Western Alliance Bank		06/29/2018	Corporation: ARIZONA
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	BioNano Genomics, Inc.		
<b>Street Address:</b>	9640 Towne Centre Drive, #100		
<b>City:</b>	San Diego		
<b>State/Country:</b>	CALIFORNIA		
<b>Postal Code:</b>	92121		
<b>Entity Type:</b>	Corporation: DELAWARE		
<b>PROPERTY NUMBERS Total: 12</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	87314787	SAPHYR CHIP	
<b>Serial Number:</b>	87314801	SAPHYR	
<b>Serial Number:</b>	87375426	BIONANO ACCESS	
<b>Serial Number:</b>	86361387	BIONANO GENOMICS	
<b>Serial Number:</b>	86050497	BIONANO GENOMICS	
<b>Serial Number:</b>	86400672	IRYSSOLVE	
<b>Serial Number:</b>	86975215	BIONANO GENOMICS	
<b>Serial Number:</b>	85677075	IRYSPREP	
<b>Serial Number:</b>	85677063	IRYSCHIP	
<b>Serial Number:</b>	85677059	IRYSVIEW	
<b>Serial Number:</b>	85677046	BIONANO GENOMICS	
<b>Serial Number:</b>	85677024	IRYS	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	8586385130		
<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>	619-699-2700		
<b>Email:</b>	susan.reynholds@dlapiper.com		
<b>Correspondent Name:</b>	DLA Piper LLP (US)		
<b>Address Line 1:</b>	401 B Street, Suite 1700		
<b>TRADEMARK</b>			

CH \$315.00 87314787

<b>Address Line 4:</b>	San Diego, CALIFORNIA 92101
<b>NAME OF SUBMITTER:</b>	Matt Schwartz
<b>SIGNATURE:</b>	/s/ Matt Schwartz
<b>DATE SIGNED:</b>	07/10/2018
<b>Total Attachments: 4</b> source=IP Release#page1.tif source=IP Release#page2.tif source=IP Release#page3.tif source=IP Release#page4.tif	

REASSIGNMENT AND RELEASE OF SECURITY INTEREST

This Reassignment and Release of Security Interest is executed as of June 29, 2018 by WESTERN ALLIANCE BANK, an Arizona corporation ("Assignor") for the benefit of BIONANO GENOMICS, INC., a Delaware corporation ("Assignee"), having its principal business address located at 9640 Towne Centre Drive, #100, San Diego, California 92121.

RECITALS

A. WHEREAS, Assignee assigned certain interests in the intellectual property described on Exhibit A and Exhibit B (together, the "Intellectual Property") to the Assignor under certain Intellectual Property Security Agreement dated as of February 9, 2018, and recorded with the U.S. Patent and Trademark Office; and

B. WHEREAS, Assignor wishes to release and reassign all interest that Assignor may have in the Intellectual Property.

AGREEMENT

Now, therefore, Assignor agrees that it releases its security interest in the Intellectual Property and reassigns to Assignee, without warranty or recourse, all interest of Assignor in the Intellectual Property.

Address:

55 Almaden Boulevard, Suite 100  
San Jose, California 95113

ASSIGNOR:

WESTERN ALLIANCE BANK

By: [Signature]

Title: SVP, Director of Portfolio Mgmt

EXHIBIT A

Trademarks

<u>Mark / Title:</u>	<u>U.S. Serial No.:</u>	<u>U.S. Registration No.:</u>	<u>Filing Date:</u>
SAPHYR CHIP	87314787	N/A	1/26/17
SAPHYR	87314801	N/A	1/26/17
BIONANO ACCESS	87375426	N/A	3/17/17
BIONANO GENOMICS	86361387	5076021	8/8/14
BIONANO GENOMICS	86050497	5045903	8/28/13
IRYSSOLVE	86400672	4708378	9/19/14
BIONANO GENOMICS	86975215	4646747	8/28/13
IRYSPREP	85677075	4502412	7/13/12
IRYSCHIP	85677063	4502411	7/13/12
IRYSVIEW	85677059	4452118	7/13/12
BIONANO GENOMICS	85677046	4518478	7/13/12
IRYS	85677024	4544066	7/13/12

**EXHIBIT B**

Patents

<b><u>Title:</u></b>	<b><u>Patent No.:</u></b>	<b><u>Appl Serial No.:</u></b>	<b><u>Issued or Published</u></b>	<b><u>Issue Date:</u></b>
Nanonozzle device arrays: their preparation and use for macromolecular analysis	US9061901	12/374,141	Issued	6/23/15
Nanonozzle device arrays: their preparation and use for macromolecular analysis		14/712816 US20150323518	Allowed	
Nanonozzle device arrays: their preparation and use for macromolecular analysis		US15/801081	Pending	
Nanonozzle device arrays: their preparation and use for macromolecular analysis		PCT/US07/16408 WO/2008/079169	Published	
Methods of macromolecular analysis using nanochannel arrays	US8722327	12/057,987	Issued	5/13/14
Methods of macromolecular analysis using nanochannel arrays	US9310376	14/195,474	Issued	4/12/16
Methods of macromolecular analysis using nanochannel arrays		15/062622 US20160289756	Published	
Methods of macromolecular analysis using nanochannel arrays		PCT/US2008/058671 WO/2008/121828	Published	
Methods and devices for single molecule whole genomic analysis	US8,628,919	13/001,697	Issued	1/14/14
Methods and devices for single molecule whole genomic analysis	US9536041	13/765,353	Issued	1/3/2017
Methods and devices for single molecule whole genomic analysis		15/381,787 US20170226567	Published	
Methods and devices for single molecule whole genomic analysis		PCT/US2009/049244 WO/2010/002883	Published	
Integrated analysis devices, fabrication methods and analysis techniques	US9533879	12/996,410	Issued	1/3/17
Nanofluidic Chips and Nanochannel Patterns		15/385302 US20170313580	Published	
Integrated nanofluidic analysis devices, fabrication methods and analysis techniques		PCT/US2009/046427 WO/2009/149362	Published	
Polynucleotide mapping and sequencing	US9181578	13/129634 2011/0306504	Issued	11/10/15
Polynucleotide mapping and sequencing		14/877818 US20160097092	Published	
Polynucleotide mapping and sequencing		PCT/US2009/064996 WO/2010/059731	Published	
Nanochannel arrays and near-field illumination devices for polymer analysis and related methods	US9725315	13/498846 2012/0244635	Issued	8/8/2017
Nanochannel arrays and near-field illumination devices for polymer analysis and related methods		PCT/US2010/050362 WO/2011/038327	Published	
Methods for single-molecule analysis		2015/0368706	Published	

<u>Title:</u>	<u>Patent No.:</u>	<u>Appl Serial No.:</u>	<u>Issued or Published</u>	<u>Issue Date:</u>
Methods for single-molecule analysis		PCT/US2014/014501 WO2014/123822	Published	
Characterization of Molecules in Nanofluidics	US9809855	14/768422 US2016/0046992	Issued	11/7/17
Characterization of Molecules in Nanofluidics		US15/795847	Pending	10/24/17
Analysis of Polynucleotides		14/897213 US20160201147	Published	
Analysis of Polynucleotides		PCT/US14/41568 WO2014/200926	Published	
Processing of Polynucleotides		15/123457 US20170073666	Published	
Processing of Polynucleotides		PCT/US2015/019027 WO2015/134785	Published	
Improved Methods of Determining Nucleic Acid Structural Information		PCT/US2015/016194 WO2015126840	Published	
Improved Methods of Determining Nucleic Acid Structural Information		US15/11769	Pending	8/9/16
Photocleavage method and apparatus to clean fluidic devices		PCT/US2015/047688 WO2016036647	Pending	
Photocleavage method and apparatus to clean fluidic devices		15/507,416 US20170282181	Published	2/28/17
Isolation of Megabase DNA from plant and animal tissue		14/802,659 US20160017316	Published	
Reduction of bias in genomic coverage measurement		PCT/US2015/017356 WO2015130696	Published	
Reduction of bias in genomic coverage measurement		15/117,689 US20160355873	Published	
Processing of Polynucleotides		15/123457 US20170073666	Published	
Processing of Polynucleotides		PCT/US2015/019027 WO2015/134785	Published	
Improved Methods of Determining Nucleic Acid Structural Information		PCT/US2015/016194 WO2015126840	Published	
Improved Methods of Determining Nucleic Acid Structural Information		US15/11769	Pending	
Embedded Noble Metal Electrodes in Microfluidics		14/928,596	Pending	
Embedded Noble Metal Electrodes in Microfluidics		14/952,161	Allowed	