

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM487695

SUBMISSION TYPE:	RESUBMISSION
NATURE OF CONVEYANCE:	Reassignment and Release of Security Interest at Reel 6269, Frame 0378
RESUBMIT DOCUMENT ID:	900456910

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Western Alliance Bank		06/29/2018	Corporation: ARIZONA

RECEIVING PARTY DATA

Name:	Bionano Genomics, Inc.
Street Address:	9640 Towne Center Drive, #100
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121
Entity Type:	Corporation: DELAWARE

PROPERTY NUMBERS Total: 12

Property Type	Number	Word Mark
Serial Number:	87314787	SAPHYR CHIP
Serial Number:	87314801	SAPHYR
Serial Number:	87375426	BIONANO ACCESS
Registration Number:	5076021	BIONANO GENOMICS
Registration Number:	5045903	BIONANO GENOMICS
Registration Number:	4708378	IRYSSOLVE
Registration Number:	4646747	BIONANO GENOMICS
Registration Number:	4502412	IRYSPREP
Registration Number:	4502411	IRYSCHIP
Registration Number:	4452118	IRYSVIEW
Registration Number:	4518478	BIONANO GENOMICS
Registration Number:	4544066	IRYS

CORRESPONDENCE DATA

Fax Number: 7036106200

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: 7036106100

Email: BoxIP@hoganlovells.com

Correspondent Name: Valerie Brennan of Hogan Lovells US LLP
Address Line 1: 7930 Jones Branch Drive, 9th Floor
Address Line 2: Attn: Box Intellectual Property
Address Line 4: McLean, VIRGINIA 22102-3302

ATTORNEY DOCKET NUMBER: 036639.000081

NAME OF SUBMITTER: Valerie Brennan

SIGNATURE: /vb/

DATE SIGNED: 08/28/2018

Total Attachments: 13

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TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM480436

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	Reassignment and Release of Security Interest		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Western Alliance Bank		06/29/2018	Corporation: ARIZONA
RECEIVING PARTY DATA			
Name:	Bionano Genomics, Inc.		
Street Address:	9640 Towne Center Drive, #100		
City:	San Diego		
State/Country:	CALIFORNIA		
Postal Code:	92121		
Entity Type:	Corporation: DELAWARE		
PROPERTY NUMBERS Total: 12			
Property Type	Number	Word Mark	
Serial Number:	87314787	SAPHYR CHIP	
Serial Number:	87314801	SAPHYR	
Serial Number:	87375426	BIONANO ACCESS	
Registration Number:	5076021	BIONANO GENOMICS	
Registration Number:	5045903	BIONANO GENOMICS	
Registration Number:	4708378	IRYSSOLVE	
Registration Number:	4646747	BIONANO GENOMICS	
Registration Number:	4502412	IRYSPREP	
Registration Number:	4502411	IRYSCHIP	
Registration Number:	4452118	IRYSVIEW	
Registration Number:	4518478	BIONANO GENOMICS	
Registration Number:	4544066	IRYS	
CORRESPONDENCE DATA			
Fax Number:	7036106200		
<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>			
Phone:	7036106100		
Email:	BoxIP@hoganlovells.com		
Correspondent Name:	Valerie Brennan of Hogan Lovells US LLP		
Address Line 1:	7930 Jones Branch Drive, 9th Floor		

TRADEMARK

REEL: 006437 FRAME: 0660

CH \$315.00 87314787

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 B and Exhibit C (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: 

Title: SVP, Director of Portfolio Mgmt

EXHIBIT A
COPYRIGHTS

Please Check if No Copyrights Exist

<u>Type of Work:</u>	<u>Title:</u>	<u>International Standard Serial Number (ISSN):</u>	<u>Registration Number:</u>	<u>Filing Date:</u>	<u>Preregistered?</u>

Exhibit B
TRADEMARKS

Please Check if No Trademarks Exist

<u>Mark / Title:</u>	<u>U.S. Serial No.:</u>	<u>U.S. Registration No.:</u>	<u>USPTO Reference 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 C

PATENTS

Please Check if No Patents Exist

<u>Title:</u>	<u>Patent Number:</u>	<u>Application Serial Number:</u>	<u>Issued or Published</u>	<u>Issue Date:</u>
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	
Nanonozzle device arrays: their preparation and use for macromolecular analysis	AU2007338862	2007338862	Issued	5/24/14
Nanonozzle device arrays: their preparation and use for macromolecular analysis	CA2658122	CA2658122	Issued	9/2/14
Nanonozzle device arrays: their preparation and use for macromolecular analysis	ZL201310054745.1	CN103203256	Issued	2/20/13
Nanonozzle device arrays: their preparation and use for macromolecular analysis		EP2007872156 EP2049262	Published	
Nanonozzle device arrays: their preparation and use for macromolecular analysis	JP6030599	2014-089510	Issued	10/28/16
Nanonozzle device arrays: their preparation and use for macromolecular analysis	SG173,398	2011-05244-6	Issued	7/19/07
Methods of macromolecular analysis using nanochannel arrays	US8722327	12/057,987	Issued	5/13/14

<u>Title:</u>	<u>Patent Number:</u>	<u>Application Serial Number:</u>	<u>Issued or Published</u>	<u>Issue Date:</u>
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 of macromolecular analysis using nanochannel arrays	AU2008232616	AU2008232616	Issued	11/20/14
Methods of macromolecular analysis using nanochannel arrays	CA2682275	CA2,682,275	Issued	5/9/17
Methods of macromolecular analysis using nanochannel arrays		CA2964611	Pending	
Methods of macromolecular analysis using nanochannel arrays	ZL2008800017550.70	CN200880017550.7	Issued	6/5/13
Methods of macromolecular analysis using nanochannel arrays		CN201310189106.6	Pending	
Methods of macromolecular analysis using nanochannel arrays	EP2136922	EP2008-744609.2	Issued	12/5/12
Methods of macromolecular analysis using nanochannel arrays		EP2013150068.8 EP2604344	Published	
Methods of macromolecular analysis using nanochannel arrays		HK10104929.6	Pending	
Methods of macromolecular analysis using nanochannel arrays	JP5491378	JP2010-501259	Issued	3/7/14
Methods of macromolecular analysis using nanochannel arrays	JP5860574	JP2013-258107	Issued	12/25/15
Methods of macromolecular analysis using nanochannel arrays	KR10-1522741	KR10-2009-7022447	Issued	5/18/15
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	

<u>Title:</u>	<u>Patent Number:</u>	<u>Application Serial Number:</u>	<u>Issued or Published</u>	<u>Issue Date:</u>
Methods and devices for single molecule whole genomic analysis		PCT/US2009/049244 WO/2010/002883	Published	
Methods and devices for single molecule whole genomic analysis	AU2009267086	AU2009267086	Issued	4/12/16
Methods and devices for single molecule whole genomic analysis		AU201602242	Published	
Methods and devices for single molecule whole genomic analysis		CA2729159	Published	
Methods and devices for single molecule whole genomic analysis		CN2009-80125335.30	Pending	
Methods and devices for single molecule whole genomic analysis		EP20090774334 EP2318547	Published	
Methods and devices for single molecule whole genomic analysis		EP13179160.0 EP2664677	Published	
Methods and devices for single molecule whole genomic analysis		CN2012-105208.3	Pending	
Methods and devices for single molecule whole genomic analysis	JP5730762	JP2011-516813	Issued	4/17/2015
Methods and devices for single molecule whole genomic analysis		2015078505 JP2015163073	Allowed	
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	
Integrated nanofluidic analysis devices, fabrication methods and analysis techniques	AU2009256064	AU2009256064	Issued	8/13/15
Integrated nanofluidic analysis devices, fabrication methods and analysis techniques		AU2015205826	Allowed	
Integrated nanofluidic analysis devices, fabrication methods and analysis techniques		CA2727095	Pending	

<u>Title:</u>	<u>Patent Number:</u>	<u>Application Serial Number:</u>	<u>Issued or Published</u>	<u>Issue Date:</u>
Integrated nanofluidic analysis devices, fabrication methods and analysis techniques	ZL200980154567.1	2009-80130482	Issued	11/26/14
Integrated nanofluidic analysis devices, fabrication methods and analysis techniques		CN201410462892.7 CN104359874	Published	
Integrated nanofluidic analysis devices, fabrication methods and analysis techniques		EP2009759520	Pending	
Integrated nanofluidic analysis devices, fabrication methods and analysis techniques		HK11109208.6	Pending	
Integrated nanofluidic analysis devices, fabrication methods and analysis techniques		HK15107980	Pending	
Integrated nanofluidic analysis devices, fabrication methods and analysis techniques	SG2010-08920-9	SG2010-08920-9	Issued	7/31/13
Integrated nanofluidic analysis devices, fabrication methods and analysis techniques		KR10-2016-7001826	Allowed	1/21/16
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	
Polynucleotide mapping and sequencing	AU2009316628	AU2009316628	Issued	6/16/16
Polynucleotide mapping and sequencing		CA2744064	Published	
Polynucleotide mapping and sequencing	ZL20098015456.7	CN2009-80154567.10	Issued	9/24/14
Polynucleotide mapping and sequencing		CN201610248998.6 CN105930689	Published	
Polynucleotide mapping and sequencing	EP2370594	EP2009-760398.9	Granted	1/8/14
Polynucleotide mapping and sequencing	EP2370594 Registered in GB	EP2009-760398.9	Granted	1/8/14
Polynucleotide mapping and sequencing	EP2370594 Registered in FR	EP2009-760398.9	Granted	1/8/14
Polynucleotide mapping and sequencing	EP2370594 Registered in DE	EP2009-760398.9	Granted	1/8/14
Polynucleotide mapping and sequencing	HK1166107	HK12105207.4	Granted	

<u>Title:</u>	<u>Patent Number:</u>	<u>Application Serial Number:</u>	<u>Issued or Published</u>	<u>Issue Date:</u>
Polynucleotide mapping and sequencing		15108141.4 HK1207404A	Published	
Polynucleotide mapping and sequencing	JP5846703	JP2011537585	Issued	1/20/16
Polynucleotide mapping and sequencing	SG171,325	2011-03550-8	Issued	11/29/13
Nanoanalyzer Systems and Methods	AU2011316989	AU2011316989	Issued	5/2/13
Systems and methods for assessing biomolecule characteristics	ZL201180060380.2	CN103443290A CN201180060380.2	Issued	6/8/16
Systems and methods for assessing biomolecule characteristics		CN20160365650.5 CN106048000A	Published	
Systems and methods for assessing biomolecule characteristics	HK1192287	HK14105511.3	Issued	9/1/17
Systems and methods for assessing biomolecule characteristics		HK(new)	Pending	
Systems and methods for assessing biomolecule characteristics		SG201302736-2	Pending	
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	
Nanochannel arrays and near-field illumination devices for polymer analysis and related methods		HK13102315.9 HK1175215A	Published	
Nanochannel arrays and near-field illumination devices for polymer analysis and related methods	ZL201080043518.3	CN2010-80043518.3	Issued	9/5/17
Methods for single-molecule analysis		2015/0368706	Published	
Methods for single-molecule analysis		PCT/US2014/014501 WO2014/123822	Published	
Methods for single-molecule analysis		AU2014215586	Published	
Methods for single-molecule analysis		CA2900054	Published	

<u>Title:</u>	<u>Patent Number:</u>	<u>Application Serial Number:</u>	<u>Issued or Published</u>	<u>Issue Date:</u>
Methods for single-molecule analysis		201480007595.1 CN105143462	Published	
Methods for single-molecule analysis		HK16105786.9	Pending	
Methods for single-molecule analysis		EP14748636.9	Pending	
Methods for single-molecule analysis		JP2015-556985	Pending	
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
Characterization of Molecules in Nanofluidics		AU2014219001	Pending	2/19/14
Characterization of Molecules in Nanofluidics		CA2901460	Pending	2/19/14
Characterization of Molecules in Nanofluidics		EP14753475.4	Pending	2/19/14
Characterization of Molecules in Nanofluidics		CN105229168	Pending	2/19/14
Characterization of Molecules in Nanofluidics		HK16107465.3	Pending	6/27/16
Characterization of Molecules in Nanofluidics		JP2016510590	Pending	2/19/14
System for Nanoanalysis	RU142580	RU2013140977	Issued	5/27/14
Analysis of Polynucleotides		14/897213 US20160201147	Published	
Analysis of Polynucleotides		PCT/US14/41568 WO2014/200926	Published	
Analysis of Polynucleotides		CN201480044219.X	Pending	
Analysis of Polynucleotides		HK16113120.8 HK1225072A	Published	
Analysis of Polynucleotides		CN2016-519575	Pending	
Processing of Polynucleotides		15/123457 US20170073666	Published	
Processing of Polynucleotides		PCT/US2015/019027 WO2015/134785	Published	
Processing of Polynucleotides		CN201580012473.6	Pending	
Processing of Polynucleotides		EP15710388.8	Pending	
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
Improved Methods of Determining Nucleic Acid Structural Information		CN201580009351.1	Pending	

<u>Title:</u>	<u>Patent Number:</u>	<u>Application Serial Number:</u>	<u>Issued or Published</u>	<u>Issue Date:</u>
Improved Methods of Determining Nucleic Acid Structural Information		HK(new)	Pending	
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
Photocleavage method and apparatus to clean fluidic devices		15763711.7	Pending	
Photocleavage method and apparatus to clean fluidic devices		CN201580055371.2 CN107073472	Published	
Photocleavage method and apparatus to clean fluidic devices	New	HK (New)	Pending	New
Photocleavage method and apparatus to clean fluidic devices		SG11201702707Q	Pending	
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	
Reduction of bias in genomic coverage measurement		EP15708652.1-1403	Pending	
Reduction of bias in genomic coverage measurement		CN201580016272.3	Pending	
Processing of Polynucleotides	15/123457 US20170073666	15/123457 US20170073666	Published	
Processing of Polynucleotides	PCT/US2015/019027 WO2015/134785	PCT/US2015/019027 WO2015/134785	Published	
Processing of Polynucleotides	CN201580012473.6	CN201580012473.6	Pending	
Processing of Polynucleotides	EP15710388.8	EP15710388.8	Pending	
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	

<u>Title:</u>	<u>Patent Number:</u>	<u>Application Serial Number:</u>	<u>Issued or Published</u>	<u>Issue Date:</u>
Embedded Noble Metal Electrodes in Microfluidics		14/952,161	Allowed	