

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5277911

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NEXTBIO	12/06/2018
RECEIVING PARTY DATA	
Name:	ILLUMINA, INC.
Street Address:	5200 ILLUMINA WAY
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92122
PROPERTY NUMBERS Total: 23	
Property Type	Number
PCT Number:	US0936058
PCT Number:	US0648067
PCT Number:	US0877097
Application Number:	29415418
Application Number:	11640121
Application Number:	13621736
Application Number:	13621756
Application Number:	62417149
Application Number:	60750829
Application Number:	60898895
Application Number:	60974289
Application Number:	61033673
Application Number:	61089834
Application Number:	61185926
Application Number:	61535317
Application Number:	12234435
Application Number:	12398107
Application Number:	11641539
Application Number:	12796545
Application Number:	14860412

PATENT

Property Type	Number
Application Number:	15451271
Application Number:	13588526
Application Number:	14828378

CORRESPONDENCE DATA

Fax Number: (858)202-4545

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: 8582024500

Email: illuminadocket@illumina.foundationip.com,
khicks@illumina.foundationip.com,

Correspondent Name: ILLUMINA, INC.

Address Line 1: 5200 ILLUMINA WAY

Address Line 4: SAN DIEGO, CALIFORNIA 92122

ATTORNEY DOCKET NUMBER:	NEXTBIO TO ILMN
NAME OF SUBMITTER:	KEIKO A. MASUYAMA HICKS
SIGNATURE:	/Keiko A. Masuyama Hicks/
DATE SIGNED:	12/11/2018

Total Attachments: 9

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ASSIGNMENT

Assignor: NEXTBIO
a corporation organized and existing under the laws of California, and having a place
of business at:
5200 Illumina Way,
San Diego, CA 92122

Assignee: Illumina, Inc.
a corporation organized and existing under the laws of Delaware, and having a place
of business at:
5200 Illumina Way,
San Diego, CA 92122

Country	Application No.	Filing Date	Title	File #
United States of America	29/415,418	3/9/2012	GRAPHICAL USER INTERFACE FOR CLINICAL DATA MANIPULATION	IP-1190-US- DES
United States of America	29/415,418	3/9/2012	GRAPHICAL USER INTERFACE FOR CLINICAL DATA MANIPULATION	IP-1190-US- DES
United States of America	11/640,121	12/15/2006	SYSTEM AND METHOD FOR SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1180-US
United States of America	11/640,121	12/15/2006	SYSTEM AND METHOD FOR SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1180-US
European Patent Office	06847688.6	12/15/2006	SYSTEM AND METHOD FOR SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1180-EP
European Patent Office	06847688.6	12/15/2006	SYSTEM AND METHOD FOR SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1180-EP
Japan	2008-545870	12/15/2006	SYSTEM AND METHOD FOR SCIENTIFIC INFORMATION	IP-1180-JP

Japan	2008-545870	12/15/2006	KNOWLEDGE MANAGEMENT SYSTEM AND METHOD FOR SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1180-JP
United States of America	13/621,736	9/17/2012	PATIENT-CENTRIC INFORMATION MANAGEMENT	IP-1189-US
United States of America	13/621,736	9/17/2012	PATIENT-CENTRIC INFORMATION MANAGEMENT	IP-1189-US
United States of America	13/621,756	9/17/2012	PATIENT-CENTRIC INFORMATION MANAGEMENT	IP-1189A-US
United States of America	13/621,756	9/17/2012	PATIENT-CENTRIC INFORMATION MANAGEMENT	IP-1189A-US
European Patent Office	08831452.1	9/19/2008	DIRECTIONAL EXPRESSION-BASED SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1182-EP
European Patent Office	08831452.1	9/19/2008	DIRECTIONAL EXPRESSION-BASED SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1182-EP
PCT	PCT/US2009/036058	3/4/2009	CATEGORIZATION AND FILTERING OF SCIENTIFIC DATA	IP-1187-PCT
PCT	PCT/US2009/036058	3/4/2009	CATEGORIZATION AND FILTERING OF SCIENTIFIC DATA	IP-1187-PCT
United States of America	62/417,149	11/3/2016	SYSTEMS AND METHODS FOR OUTLIER SIGNIFICANCE ASSESSMENT	IP-1417-PRV
United States of America	62/417,149	11/3/2016	SYSTEMS AND METHODS FOR OUTLIER SIGNIFICANCE ASSESSMENT	IP-1417-PRV
United States of America	60/750,829	12/16/2005	SYSTEM AND METHOD FOR SCIENTIFIC INFORMATION	IP-1180-PRV

United States of America	60/750,829	12/16/2005	KNOWLEDGE MANAGEMENT SYSTEM AND METHOD FOR SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1180-PRV
United States of America	60/898,895	1/31/2007	COMPUTATIONAL PLATFORM FOR CLINICAL DIAGNOSTICS	IP-1181-PRV
United States of America	60/898,895	1/31/2007	COMPUTATIONAL PLATFORM FOR CLINICAL DIAGNOSTICS	IP-1181-PRV
United States of America	60/974,289	9/19/2007	DIRECTIONAL EXPRESSION-BASED SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1182-PRV
United States of America	60/974,289	9/19/2007	DIRECTIONAL EXPRESSION-BASED SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1182-PRV
United States of America	61/033,673	3/4/2008	CATEGORIZATION AND FILTERING OF SCIENTIFIC DATA	IP-1183-PRV
United States of America	61/033,673	3/4/2008	CATEGORIZATION AND FILTERING OF SCIENTIFIC DATA	IP-1183-PRV
United States of America	61/089,834	8/18/2008	CATEGORIZATION AND FILTERING OF SCIENTIFIC DATA BY DATA SOURCE	IP-1184-PRV
United States of America	61/089,834	8/18/2008	CATEGORIZATION AND FILTERING OF SCIENTIFIC DATA BY DATA SOURCE	IP-1184-PRV
United States of America	61/185,926	6/10/2009	SEQUENCE-CENTRIC SCIENTIFIC INFORMATION MANAGEMENT	IP-1188-PRV
United States of America	61/185,926	6/10/2009	SEQUENCE-CENTRIC SCIENTIFIC INFORMATION MANAGEMENT	IP-1188-PRV
United States of America	61/535,317	9/15/2011	PATIENT-CENTRIC INFORMATION MANAGEMENT	IP-1189-PRV

United States of America	61/535,317	9/15/2011	PATIENT-CENTRIC INFORMATION MANAGEMENT	IP-1189-PRV
PCT	PCT/US2006/048067	12/15/2006	SYSTEM AND METHOD FOR SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1180-PCT
PCT	PCT/US2006/048067	12/15/2006	SYSTEM AND METHOD FOR SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1180-PCT
PCT	PCT/US2008/077097	9/19/2008	DIRECTIONAL EXPRESSION-BASED SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1182-PCT
PCT	PCT/US2008/077097	9/19/2008	DIRECTIONAL EXPRESSION-BASED SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1182-PCT
United States of America	12/234,435	9/19/2008	DIRECTIONAL EXPRESSION-BASED SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1185-US
United States of America	12/234,435	9/19/2008	DIRECTIONAL EXPRESSION-BASED SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1185-US
United States of America	12/398,107	3/4/2009	CATEGORIZATION AND FILTERING OF SCIENTIFIC DATA	IP-1186-US
United States of America	12/398,107	3/4/2009	CATEGORIZATION AND FILTERING OF SCIENTIFIC DATA	IP-1186-US
United States of America	11/641,539	12/18/2006	SYSTEM AND METHOD FOR SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1180A-US
United States of America	11/641,539	12/18/2006	SYSTEM AND METHOD FOR SCIENTIFIC	IP-1180A-US

			INFORMATION KNOWLEDGE MANAGEMENT	
United States of America	12/796,545	6/8/2010	SEQUENCE-CENTRIC SCIENTIFIC INFORMATION MANAGEMENT	IP-1188-US
United States of America	12/796,545	6/8/2010	SEQUENCE-CENTRIC SCIENTIFIC INFORMATION MANAGEMENT	IP-1188-US
United States of America	14/860,412	9/21/2015	SEQUENCE-CENTRIC SCIENTIFIC INFORMATION MANAGEMENT	IP-1188A-US
United States of America	14/860,412	9/21/2015	SEQUENCE-CENTRIC SCIENTIFIC INFORMATION MANAGEMENT	IP-1188A-US
United States of America	15/451,271	3/6/2017	SEQUENCE-CENTRIC SCIENTIFIC INFORMATION MANAGEMENT	IP-1188B-US
United States of America	15/451,271	3/6/2017	SEQUENCE-CENTRIC SCIENTIFIC INFORMATION MANAGEMENT	IP-1188B-US
United States of America	13/588,526	10/9/2012	SYSTEM AND METHOD FOR SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1180B-US
United States of America	13/588,526	10/9/2012	SYSTEM AND METHOD FOR SCIENTIFIC INFORMATION KNOWLEDGE MANAGEMENT	IP-1180B-US
United States of America	14/828,378	8/17/2015	CATEGORIZATION AND FILTERING OF SCIENTIFIC DATA	IP-1186A-US
United States of America	14/828,378	8/17/2015	CATEGORIZATION AND FILTERING OF SCIENTIFIC DATA	IP-1186A-US
PCT	PCT/US17/59785	11/2/2017	SYSTEMS AND METHODS FOR OUTLIER SIGNIFICANCE ASSESSMENT	IP-1417-PCT
PCT	PCT/US17/59785	11/2/2017	SYSTEMS AND METHODS FOR OUTLIER SIGNIFICANCE ASSESSMENT	IP-1417-PCT

1. Assignor represents that it is the owner of the patents and patent applications listed above, and of all foreign and domestic patents, patent applications, including continuation-in-part applications, reissues, re-examinations, certificates of invention, and the like that derive priority from, or claim the benefit of the filing date of, the patents and patent applications listed above (the "Patents and Patent Applications") and of all new and useful inventions and improvements that are disclosed in the Patents and Patent Applications (the "Inventions"). The Patents and Patent Applications and the Inventions are collectively referred to as the "Patent Assets."
2. Assignor hereby assigns to Assignee its entire worldwide right, title, and interest in and to the Patent Assets, including the right to file and prosecute, in its own name wherever so permitted by law or in the name of Assignee wherever necessary, patent applications, including corresponding and continuing applications, reissues, re-examinations, certificates of invention, and the like based on any of the Patent Assets, and to claim priority to any of the Patents and Patent Applications pursuant to the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. Assignor acknowledges receipt of fair and adequate consideration for this Assignment.
3. Assignor shall, when requested by Assignee and at no cost to Assignor, (i) execute or cause to be executed all rightful oaths, assignments, and powers of attorney to Assignee or to agents and legal representatives of Assignee, and all other papers necessary and proper to carry out the intent and purpose of this Assignment, (ii) execute all papers necessary in connection with the Patents and Patent Applications, and any continuing, divisional, reissue, reexamination or other corresponding application thereof or post-grant proceeding relating thereto and to execute any separate assignment in connection with any such application as Assignee may deem necessary or expedient; and (iii) perform all affirmative acts that may be necessary to obtain a grant of a valid patent to Assignee on any of the Inventions.
4. Assignor hereby assigns to Assignee all of Assignor's right, title, and interest in and to any claims, whether known or unknown, suspected or unsuspected, of any nature, including choses in action, that Assignor has or may have against any party for infringement of the Patents and Patent Applications, and acknowledges receipt of fair and adequate consideration for this Assignment.

5. Assignor represents that Assignor has the full right to convey the interests assigned by this Assignment, and that Assignor has not executed and will not execute any agreement in conflict with this Assignment.
6. This Assignment is binding upon and inures to the benefit of the successors and assigns of the parties.

[ASSIGNMENT CONTINUES ON SIGNATURE PAGE]

The Assignor hereby executes this Assignment.

Assignor: NEXTBIO

Signature: _____

Date: 12/06/2018

Name: Charles Dadswell

Title: Officer, NEXTBIO.

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

County of SAN DIEGO

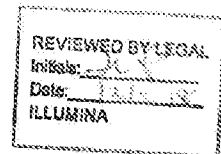
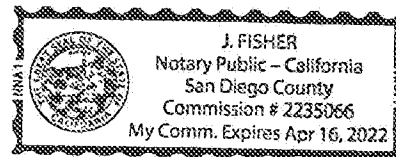
On DECEMBER 6, 2018 before me, J. FISHER, NOTARY PUBLIC
(insert name and title of the officer)

personally appeared CHARLES DADSWELL
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature: _____



The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: Illumina, Inc.

Signature: _____

Date: 12/06/2018

Name: Charles Dadswell

Title: Sr. VP and General Counsel, Illumina, Inc.

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

County of SAN DIEGO

On DECEMBER 6, 2018 before me, J. FISHER, NOTARY PUBLIC
(insert name and title of the officer)

personally appeared CHARLES DADSWELL
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature: _____

