

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM523117

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
ARCHERDX, INC.		05/10/2019	Corporation: DELAWARE
RECEIVING PARTY DATA			
Name:	Perceptive Credit Holdings II, LP,		
Street Address:	51 Astor Place, 10th Floor		
Internal Address:	c/o Perceptive Advisors LLC		
City:	New York		
State/Country:	NEW YORK		
Postal Code:	10003		
Entity Type:	Limited Partnership: DELAWARE		
PROPERTY NUMBERS Total: 5			
Property Type	Number	Word Mark	
Registration Number:	4886358	ARCHER	
Registration Number:	4899110	FUSIONPLEX	
Registration Number:	4992950	PRESEQ	
Registration Number:	5025615	QUIVER	
Registration Number:	4992951	VARIANTPLEX	
CORRESPONDENCE DATA			
Fax Number:	7037607777		
<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:	7037607360		
Email:	hcheng@mofo.com		
Correspondent Name:	Hsiao-Ting Cheng		
Address Line 1:	1650 Tysons Boulevard, Suite 400		
Address Line 2:	Morrison & Foerster LLP		
Address Line 4:	McLean, VIRGINIA 22102		
ATTORNEY DOCKET NUMBER:	72295-43		
NAME OF SUBMITTER:	Jeffrey Xu		
SIGNATURE:	/Jeffrey Xu/		
DATE SIGNED:	05/10/2019		

CH \$140.00 4886358

Total Attachments: 23

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TRADEMARK SECURITY AGREEMENT

This TRADEMARK SECURITY AGREEMENT, dated as of May 10, 2019 (“*Trademark Security Agreement*”), made by each of the signatories hereto (together with any other entity that may become a party hereto as provided herein, the “*Trademark Grantors*”), is in favor of Perceptive Credit Holdings II, LP, as administrative agent for the Secured Parties (in such capacity, together with its successors and assigns, the “*Administrative Agent*”).

W I T N E S S E T H:

WHEREAS, the Trademark Grantors are party to a Security Agreement, dated as of May 10, 2019 (the “*Security Agreement*”) in favor of the Administrative Agent, pursuant to which the Trademark Grantors are required to execute and deliver this Trademark Security Agreement (capitalized terms used but not otherwise defined herein shall have the meanings given to them in the Security Agreement);

WHEREAS, pursuant to the terms of the Security Agreement, each Trademark Grantor has created in favor of the Administrative Agent a security interest in, and the Administrative Agent has become a secured creditor with respect to, the Trademark Collateral (as defined below);

NOW, THEREFORE, in consideration of the premises and to induce the Administrative Agent and the Lender to enter into the Credit Agreement and to induce the Lender to make their respective extensions of credit to the Borrower thereunder, each Trademark Grantor hereby grants to the Administrative Agent, for the ratable benefit of the Secured Parties, a security interest in all of the following property now owned or at any time hereafter acquired by such Grantor or in which such Grantor now has or at any time in the future may acquire any right, title or interest (collectively, the “*Trademark Collateral*”), as collateral security for the complete payment and performance when due (whether at the stated maturity, by acceleration or otherwise) of all Secured Obligations:

- (a) all Trademarks of such Trademark Grantor, including, without limitation, the registered and applied-for Trademarks of such Grantor listed on **Schedule 1** attached hereto;
- (b) to the extent not covered by **clause (a)**, all Proceeds of any of the foregoing;
- (c) to the extent not covered by **clause (a)**, the goodwill of the businesses with which the Trademarks are associated; and
- (d) to the extent not covered by **clause (a)**, all causes of action arising prior to or after the date hereof for infringement of any of the Trademarks or unfair competition regarding the same.

The Trademark Collateral shall not include any Excluded Assets.

The security interest granted pursuant to this Trademark Security Agreement is granted in conjunction with the security interest granted to the Administrative Agent pursuant to

the Security Agreement, and the Trademark Grantors hereby acknowledge and affirm that the rights and remedies of the Administrative Agent with respect to the security interest in the Trademarks made and granted hereby are more fully set forth in the Security Agreement. In the event that any provision of this Trademark Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall govern.

Each Trademark Grantor hereby authorizes and requests that the Commissioner of Patents and Trademarks record this Trademark Security Agreement.

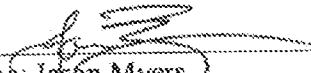
THIS TRADEMARK SECURITY AGREEMENT AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES UNDER THIS TRADEMARK SECURITY AGREEMENT SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

This Trademark Security Agreement may be executed by one or more of the parties to this Trademark Security Agreement on any number of separate counterparts, and all of said counterparts taken together shall be deemed to constitute one and the same instrument. Delivery of an executed signature page of this Trademark Security Agreement by facsimile transmission or electronic transmission (in PDF format) shall be effective as delivery of a manually executed counterpart hereof.

[Signature Pages Follow]

IN WITNESS WHEREOF, each Trademark Grantor has caused this TRADEMARK SECURITY AGREEMENT to be executed and delivered by its duly authorized officer as of the date first above written.

ARCHERDX, INC.

By: 
Name: Jason Myers
Title: Chief Executive Officer

Address:
2477 55th Street
Boulder, CO 80301
Attn: Jason Myers
Tel.: 650-387-2590
Email: jmyers@archerdx.com


[Signature Page to Trademark Security Agreement]

TRADEMARK
REEL: 006643 FRAME: 0040

Accepted and Agreed:
PERCEPTIVE CREDIT HOLDINGS II, LP, as the Administrative Agent

By: PERCEPTIVE CREDIT OPPORTUNITIES GP, LLC, its general partner

By *S. Dixit*
Name: Sandeep Dixit
Title: Chief Credit Officer

By 
Name: Sam Chawla
Title: Portfolio Manager

Perceptive Credit Holdings II, LP
c/o Perceptive Advisors LLC
51 Astor Place, 10th Floor
New York, NY 10003
Attn: Sandeep Dixit
Email: Sandeep@perceptivelife.com

TRADEMARKS

Trademark Registrations and Applications

See attached list.

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
ARCHER	United States	Application No. 86104762 Registration No. 4886358	<p>Class 01 : Diagnostic kits consisting primarily of enzymes, nucleic acids and buffers for scientific and research purposes in detection and diagnosis of cancer and genomic disorders First Use: Dec-31-2013 / First Use in Commerce: Dec-31-2013</p> <p>Class 05: Diagnostic kits consisting primarily of buffers, enzymes and nucleic acids for medical purposes in detection and diagnosis of cancer and genomic disorders First Use: Dec-31-2013 / First Use in Commerce: Dec-31-2013</p> <p>Class 42: Providing information in the field of cancer research and genomic disorder classification for medical and research professionals, hospitals, healthcare providers and laboratories First Use: Dec-31-2013 / First Use in Commerce: Dec-31-2013</p>	<p>Filed Oct-29-2013 Notice of Allowance Nov-25-2014</p> <p>Registered Jan-12-2016</p>
FUSIONPLEX	United States	Application No. 86281198 Registration No. 4899110	<p>Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders First Use: Apr-30-2014 / First Use in Commerce: Apr-30-2014</p>	<p>Filed May-14-2014 Notice of Allowance Nov-25-2014</p> <p>Registered Feb-09-2016</p>

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
PRESEQ	United States	Application No. 86816915 Registration No. 4992950	Class 01: Assays for research purposes First Use: Sep-30-2015 / First Use in Commerce: Sep-30-2015	Filed Nov-11-2015 Registered Jul-05-2016
QUIVER	United States	Application No. 86811256 Registration No. 5025615	Class 42: Providing an on-line computer database featuring information relating to genetics and disease states for scientific and medical research purposes First Use: Jul-31-2014 / First Use in Commerce: Jul-31-2014 Class 44: Providing an on-line computer database featuring information relating to genetics and disease states in the field of healthcare First Use: Jul-31-2014 / First Use in Commerce: Jul-31-2014	Filed Nov-05-2015 Registered Aug-23-2016
VARIANTPLEX	United States	Application No. 86816919 Registration No. 4992951	Class 01: Assays for research purposes First Use: Apr-30-2015 / First Use in Commerce: Apr-30-2015	Filed Nov-11-2015 Registered Jul-05-2016
ARCHER	Australia (Via Madrid Protocol)	Application No. 1832113 Registration No. 1209959	Class 05: Diagnostic kits consisting primarily of buffers, enzymes and nucleic acids for medical purposes in detection and diagnosis of cancer and genomic disorders; providing information in the field of cancer research and genomic disorder classification for medical and research professionals, hospitals, healthcare providers and laboratories	Filed Dec-13-2016 Registered Jul-12-2017
CROSSBOW	Australia (Via Madrid Protocol)	Application No. 1783388 Registration No. 1303154	Class 09: Laboratory devices for detecting genetic sequences, namely, nucleic acid sequencers for scientific research, forensics, and human identification purposes; scientific instruments for use in genetic analysis; computer software for the analysis of genetic sequences	Filed May-05-2016 Registered Oct-26-2016

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
FUSIONPLEX	Australia (Via Madrid Protocol)	Application No. 1686281 Registration No. 1242195	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Nov-12-2014 Registered Aug-05-2015
PRESEQ	Australia (Via Madrid Protocol)	Application No. 1783124 Registration No. 1302198	Class 01: Assays for research purposes	Filed May-05-2016 Registered Nov-09-2016
QUIVER	Australia (Via Madrid Protocol)	Application No. 1863373 Registration No. 1358926	Class 42: Hosting computer database featuring information relating to genetics and disease states for scientific and medical research purposes Class 44: Providing online information relating to genetics and disease states in the field of healthcare from a computer database	Filed May-05-2016 Registered Nov-30-2017
VARIANTPLEX	Australia (Via Madrid Protocol)	Application No. 1783125 Registration No. 1302199	Class 01: Assays for research purposes	Filed May-05-2016 Registered Nov-09-2016
ARCHER	China (Via Madrid Protocol)	Application No. 1209959 Registration No. 1209959	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Apr-29-2014 Registered Mar-31-2015

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
CROSSBOW	China (via Madrid Protocol)	Application No. Registration No. 1303154	Class 09: Laboratory devices for detecting genetic sequences, namely, nucleic acid sequencers for scientific research, forensics, and human identification purposes; scientific instruments for use in genetic analysis; computer software for the analysis of genetic sequences	Filed May-05-2016
CROSSBOW	China	Application No. 32052141	Class 10: Nucleic acid sequencers for scientific purposes; Devices for analyzing genome information; chromatography apparatus for laboratory use; chemistry apparatus and instruments; apparatus and instruments for physics	Filed Jul-05-2018
FUSIONPLEX	China (via Madrid Protocol)	Application No. A0046343 Registration No. 1242195	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Nov-12-2014 Registered Jan-25-2016
PRESEQ	China (via Madrid Protocol)	Application No. Registration No. 1302198	Class 01: Assays for research purposes	Filed May-05-2016 Registered Nov-25-2017
QUIVER	China (via Madrid Protocol)	Application No. 1072969 Registration No. 1358926	Class 42: Hosting computer database featuring information relating to genetics and disease states for scientific and medical research purposes Class 44: Providing online information relating to genetics and disease states in the field of healthcare from a computer database	Filed May-05-2016

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
VARIANTPLEX	China (via Madrid Protocol)	Application No. 1302199 Registration No. 1302199	Class 01 : Assays for research purposes	Filed May-05-2016 Registered Nov-27-2017
ARCHER	European Union (via Madrid Protocol)	Application No. 1209959 Registration No. 1209959	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Apr-29-2014 Registered May-27-2015
FUSIONPLEX	European Union (via Madrid Protocol)	Application No. A0046343 Registration No. 1242195	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Nov-12-2014 Registered Feb-11-2016
PRESEQ	European Union (via Madrid Protocol)	Application No. Registration No. 1302198	Class 01 : Assays for research purposes	Filed May-05-2016
QUIVER	European Union (via Madrid Protocol)	Application No. 1072969 Registration No. 1358926	Class 42: Hosting computer database featuring information relating to genetics and disease states for scientific and medical research purposes Class 44: Providing online information relating to genetics and disease states in the field of healthcare from a computer database	Filed May-05-2016 Registered Jan-05-2018

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
VARIANTPLEX	European Union (Via Madrid Protocol)	Application No. 001302199 Registration No. 1302199	Class 01 : Chemical reagents for genetic assays for research in the field of scientific academic study	Filed May-05-2016 Registered Dec-20-2016
ARCHER	India (Via Madrid Protocol)	Application No. 2785310 Registration No. 1209959	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Apr-29-2014
CROSSBOW	India (Via Madrid Protocol)	Application No. 3370559 Registration No. 1303154	Class 09: Laboratory devices for detecting genetic sequences, namely, nucleic acid sequencers for scientific research, forensics, and human identification purposes; scientific instruments for use in genetic analysis; computer software for the analysis of genetic sequences	Filed May-05-2016 Registered Aug-26-2017
FUSIONPLEX	India (Via Madrid Protocol)	Application No. 2997674 Registration No. 1242195	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Nov-12-2014 Registered Oct-03-2017
PRESEQ	India (Via Madrid Protocol)	Application No. 3365971 Registration No. 1302198	Class 01 : Assays for research purposes	Filed May-05-2016 Registered Sep-04-2017

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
QUIVER	India (via Madrid Protocol)	Application No. 3607759 Registration No. 1358926	Class 42: Providing an on-line computer database featuring information relating to genetics and disease states for scientific and medical research purposes Class 44: Providing online information relating to genetics and disease states in the field of healthcare from a computer database	Filed May-05-2016 Registered Dec-22-2017
VARIANTPLEX	India (via Madrid Protocol)	Application No. 3370638 Registration No. 1302199	Class 01: Assays for research purposes	Filed May-05-2016 Registered Sep-04-2017
ARCHER	Japan (via Madrid Protocol)	Application No. 1209959 Registration No. 1209959	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Apr-29-2014 Registered Apr-10-2015
CROSSBOW	Japan (via Madrid Protocol)	Application No. 1303154	Class 09: Laboratory devices for detecting genetic sequences, namely, nucleic acid sequences for scientific research, forensics, and human identification purposes; scientific instruments for use in genetic analysis in laboratories; computer software for the analysis of genetic sequences	Filed May-05-2016
FUSIONPLEX	Japan (via Madrid Protocol)	Application No. 2015353751 Registration No. 1242195	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Nov-12-2014 Registered Feb-19-2016

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
PRESEQ	Japan (via Madrid Protocol)	Application No. 1302198 Registration No. 1302198	Class 01 : Assays for research purposes	Filed May-05-2016 Registered Mar-17-2017
QUIVER	Japan (via Madrid Protocol)	Application No. 1358926	Class 42: Hosting computer database featuring information relating to genetics and disease states for scientific and medical research purposes Class 44: Providing online information relating to genetics and disease states in the field of healthcare from a computer database	Filed May-05-2016 Registered Feb-08-2018
VARIANTPLEX	Japan (via Madrid Protocol)	Application No. 1302199 Registration No. 1302199	Class 01 : Assays for research purposes	Filed May-05-2016 Registered Mar-17-2017
ARCHER	Madrid Protocol Designated Jurisdictions: Australia, China, European Union, India, Japan, Mexico, New Zealand, Norway, Singapore, South Korea	Application No. 1209959 Registration No. 1209959	Class 01 : Diagnostic kits consisting primarily of enzymes, nucleic acids and buffers for scientific and research purposes in detection and diagnosis of cancer and genomic disorders Class 05: Diagnostic kits consisting primarily of buffers, enzymes and nucleic acids for medical purposes in detection and diagnosis of cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Apr-29-2014 Registered Jul-24-2014

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
CROSSBOW	Madrid Protocol Designated Jurisdictions: Australia, China, European Union, India, Japan, Mexico, New Zealand, Norway, Singapore, South Korea, Switzerland	Application No. A0058644 Registration No. 1303154	Class 09: Laboratory devices for detecting genetic sequences, namely, nucleic acid sequencers for scientific research, forensics, and human identification purposes; scientific instruments for use in genetic analysis; computer software for the analysis of genetic sequences	Filed May-05-2016 Registered Jul-14-2016
FUSIONPLEX	Madrid Protocol Designated Jurisdictions: Australia, China, European Union, India, Japan, Mexico, New Zealand, Norway, Singapore, South Korea, Switzerland	Application No. A0046343 Registration No. 1242195	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Nov-12-2014 Registered Apr-09-2015
PRESEQ	Madrid Protocol Designated Jurisdictions: Australia, China, European Union, India, Japan, Mexico, New Zealand, Norway, Singapore,	Application No. A0058642 Registration No. 1302198	Class 01 : Assays for research purposes	Filed May-05-2016 Registered Jul-14-2016

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
QUIVER	South Korea, Switzerland	Application No. 1358926 Registration No. 1358926	Class 42: Providing an on-line computer database featuring information relating to genetics and disease states for scientific and medical research purposes Class 44: Providing online information relating to genetics and disease states in the field of healthcare from a computer database	Filed May-05-2016 Registered Aug-03-2017
VARIANTPLEX	Designated Jurisdictions: Australia, China, European Union, India, Japan, Mexico, New Zealand, Norway, Singapore, South Korea, Switzerland	Madrid Protocol Application No. 1302199 Registration No. 1302199	Class 01 : Assays for research purposes	Filed May-05-2016 Registered Jul-14-2016

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
ARCHER	Mexico (via Madrid Protocol)	Application No. 1209959 Registration No. 1209959	Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Dec-13-2016
ARCHER	Mexico (via Madrid Protocol)	Application No. 1209959 Registration No. 1209959	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders	Filed Dec-13-2016
CROSSBOW	Mexico (via Madrid Protocol)	Application No. A0058644 Registration No. 1303154	Class 09: Laboratory devices for detecting genetic sequences, namely, nucleic acid sequencers for scientific research, forensics, and human identification purposes; scientific instruments for use in genetic analysis; computer software for the analysis of genetic sequences	Filed May-05-2016 Registered Aug-01-2017
FUSIONPLEX	Mexico (via Madrid Protocol)	Application No. 1599405 Registration No. 1616961	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders	Filed Nov-12-2014 Registered Apr-04-2016
FUSIONPLEX	Mexico (via Madrid Protocol)	Application No. 1599406 Registration No. 1616962	Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Nov-12-2014 Registered Apr-04-2016

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
PRESEQ	Mexico (via Madrid Protocol)	Application No. A0058642 Registration No. 1302198	Class 01 : Assays for research purposes	Filed May-05-2016 Registered Jun-27-2018
QUIVER	Mexico (via Madrid Protocol)	Application No. 1072969 Registration No. 1358926	Class 42: Hosting computer database featuring information relating to genetics and disease states for scientific and medical research purposes Class 44: Providing online information relating to genetics and disease states in the field of healthcare from a computer database	Filed May-05-2016 Registered Jun-22-2018
VARIANTPLEX	Mexico (via Madrid Protocol)	Application No. 1302199	Class 01 : Assays for research purposes	Filed May-05-2016 Registered Jun-27-2018
ARCHER	New Zealand (via Madrid Protocol)	Application No. 1062572 Registration No. 1209959	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders	Filed Dec-13-2016 Registered Jul-31-2018
CROSSBOW	New Zealand (via Madrid Protocol)	Application No. 1046896 Registration No. 1303154	Class 01 : Assays for research purposes	Filed May-05-2016 Registered Jan-31-2017

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
FUSIONPLEX	New Zealand (Via Madrid Protocol)	Application No. 1017396 Registration No. 1242195	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Nov-12-2014 Registered Aug-02-2016
PRESEQ	New Zealand (Via Madrid Protocol)	Application No. 1046758 Registration No. 1302198	Class 01: Assays for research purposes	Filed May-05-2016 Registered Nov-08-2016
QUIVER	New Zealand (Via Madrid Protocol)	Application No. 1072969 Registration No. 1358926	Class 42: Hosting computer database featuring information relating to genetics and disease states for scientific and medical research purposes Class 44: Providing online information relating to genetics and disease states in the field of healthcare from a computer database	Filed May-05-2016 Registered Aug-03-2017
VARIANTPLEX	New Zealand (Via Madrid Protocol)	Application No. 1046759 Registration No. 1302199	Class 01: Assays for research purposes	Filed May-05-2016 Registered Nov-08-2016

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
ARCHER	Norway (via Madrid Protocol)	Application No. 1209959 Registration No. 1209959	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Dec-13-2016 Registered May-31-2018
CROSSBOW	Norway (via Madrid Protocol)	Application No. A0058644 Registration No. 1303154	Class 09: Laboratory devices for detecting genetic sequences, namely, nucleic acid sequencers for scientific research, forensics, and human identification purposes; scientific instruments for use in genetic analysis; computer software for the analysis of genetic sequences	Filed May-05-2016 Registered Feb-10-2017
FUSIONPLEX	Norway (via Madrid Protocol)	Application No. Registration No. 1242195	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Nov-12-2014 Registered Nov-27-2015
PRESEQ	Norway (via Madrid Protocol)	Application No. A0058642 Registration No. 1302198	Class 01: Assays for research purposes	Filed May-05-2016 Registered Jul-14-2016

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
QUIVER	Norway (via Madrid Protocol)	Application No. 1072969 Registration No. 1358926	Class 42: Hosting computer database featuring information relating to genetics and disease states for scientific and medical research purposes Class 44: Providing online information relating to genetics and disease states in the field of healthcare from a computer database	Filed May-05-2016 Registered Aug-03-2017
VARIANTPLEX	Norway (via Madrid Protocol)	Application No. 1302199 Registration No. 1302199	Class 01: Assays for research purposes	Filed May-05-2016 Registered Feb-10-2017
ARCHER	Singapore (via Madrid Protocol)	Application No. 40201704531Y Registration No. 1209959	Class : Diagnostic kits consisting primarily of buffers, enzymes and nucleic acids for medical purposes in detection and diagnosis of cancer and genomic disorders Class 05: Diagnostic kits consisting primarily of buffers, enzymes and nucleic acids for medical purposes in detection and diagnosis of cancer and genomic disorders Class 42: Providing information in the field of cancer research and genomic disorder classification for medical and research professionals, hospitals, healthcare providers and laboratories	Filed Dec-13-2016
CROSSBOW	Singapore (via Madrid Protocol)	Application No. 40201611646T Registration No. 1303154	Class 09: Laboratory devices for detecting genetic sequences, namely, nucleic acid sequencers for scientific research, forensics, and human identification purposes; scientific instruments for use in genetic analysis; computer software for the analysis of genetic sequences	Filed May-05-2016 Registered Oct-13-2016

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
FUSIONPLEX	Singapore (Via Madrid Protocol)	Application No. 40201506084R Registration No. 1242195	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Nov-12-2014 Registered Oct-07-2015
PRESEQ	Singapore (Via Madrid Protocol)	Application No. 40201611561R Registration No. 1302198	Class 01: Assays for research purposes	Filed May-05-2016 Registered Oct-13-2016
QUIVER	Singapore (Via Madrid Protocol)	Application No. 40201715051W Registration No. 1358926	Class 42: Hosting computer database featuring information relating to genetics and disease states for scientific and medical research purposes Class 44: Providing online information relating to genetics and disease states in the field of healthcare from a computer database	Filed May-05-2016 Statement of Grant of Protection issued Jul-26- 2018
VARIANTPLEX	Singapore (Via Madrid Protocol)	Application No. 40201611562P Registration No. 1302199	Class 01: Assays for research purposes	Filed May-05-2016 Registered Nov-10-2016
ARCHER	South Korea (Via Madrid Protocol)	Application No. 1209959 Registration No. 1209959	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Dec-13-2016

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
CROSSBOW	South Korea (Via Madrid Protocol)	Application No. Registration No. 1303154	Class 09: Laboratory devices for detecting genetic sequences, namely, nucleic acid sequencers for scientific research, forensics, and human identification purposes; scientific instruments for use in genetic analyses	Filed May-05-2016 Registered Oct-21-2017
FUSIONPLEX	South Korea (Via Madrid Protocol)	Application No. A0046343 Registration No. 1242195	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Nov-12-2014 Registered Jan-10-2016
PRESEQ	South Korea (Via Madrid Protocol)	Application No. 852017000776227 Registration No. 1302198	Class 01: Assays for research purposes	Filed May-05-2016 Registered Feb-20-2017
QUIVER	South Korea (Via Madrid Protocol)	Application No. 1072969 Registration No. 1358926	Class 42: Hosting computer database featuring information relating to genetics and disease states for scientific and medical research purposes Class 44: Providing online information relating to genetics and disease states in the field of healthcare from a computer database	Filed May-05-2016
VARIANTPLEX	South Korea (Via Madrid Protocol)	Application No. 1302199 Registration No. 1302199	Class 01: Assays for research purposes	Filed May-05-2016 Registered Apr-13-2017

Mark	Country	App. No. Reg. No.	Goods/Services	Chronology
CROSSBOW	Switzerland (Via Madrid Protocol)	Application No. A0058644 Registration No. 1303154	Class 09: Laboratory devices for detecting genetic sequences, namely, nucleic acid sequencers for scientific research, forensics, and human identification purposes; scientific instruments for use in genetic analysis; computer software for the analysis of genetic sequences	Filed May-05-2016 Registered May-16-2017
FUSIONPLEX	Switzerland (Via Madrid Protocol)	Application No. A0046343 Registration No. 1242195	Class 05: Diagnostic kits comprised of enzymes, nucleic acids and buffers, for use in detecting and diagnosing cancer and genomic disorders Class 44: Providing diagnostic services, namely, testing patient samples and providing reports to hospitals, healthcare providers, medical and research professionals, and laboratories concerning cancer and genomic disorders	Filed Nov-12-2014 Registered Mar-18-2016
PRESEQ	Switzerland (Via Madrid Protocol)	Application No. A0058642 Registration No. 1302198	Class 01: Assays for research purposes	Filed May-05-2016 Registered Apr-08-2017
VARIANTPLEX	Switzerland (Via Madrid Protocol)	Application No. 1302199 Registration No. 1302199	Class 01: Assays for research purposes	Filed May-05-2016 Registered May-19-2017