

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6915435

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
REFERENCE GENOMICS, LLC.	09/09/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	INVITAE CORPORATION
<b>Street Address:</b>	1400 16TH STREET
<b>City:</b>	SAN FRANCISCO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94103
<b>PROPERTY NUMBERS Total: 6</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	61936521
Application Number:	14615672
Application Number:	15860426
Application Number:	17343591
Application Number:	62744412
Application Number:	16600226
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>Email:</b>	docketing@alpinepatents.com
<b>Correspondent Name:</b>	BRIAN VAN OSDOL
<b>Address Line 1:</b>	968 ROSE AVENUE
<b>Address Line 4:</b>	PIEDMONT, CALIFORNIA 94611
<b>ATTORNEY DOCKET NUMBER:</b>	1CDX-M01-US
<b>NAME OF SUBMITTER:</b>	AARON JAY HUDY
<b>SIGNATURE:</b>	/AARON JAY HUDY/
<b>DATE SIGNED:</b>	09/14/2021
<b>Total Attachments: 4</b>	
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## CONFIRMATORY ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration, receipt of which is hereby acknowledged, **REFERENCE GENOMICS, LLC.**, having an office and place of business at 777 Florida St #306, San Francisco, CA 94110 (hereafter referred to as the “Assignor”), hereby confirms the sale and assignment to **INVITAE CORPORATION**, a corporation formed under the laws of Delaware and having an office and place of business at 1400 16th Street, San Francisco, California 94103 (hereafter referred to as the “Assignee”), of its entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), and throughout the world, including the right to sue for past infringement and to collect for all past, present and future damages, as follows,

(a) in each of the Patents and Patent Applications that are described in detail in Schedule A, annexed hereto and made a part hereof, and

(b) in any and all applications that claim the benefit of the Patents and Patent Applications described in detail in Schedule A, or to which the Patents and Patent Applications described in Schedule A claim priority, including provisional applications, non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, international applications, reissues, extensions, renewals, and reexaminations of such Patents and Patent Applications, to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in each of the Patents and Patent Applications that are described in detail on Schedule A, and in all forms of intellectual and industrial property protection derivable therefrom, and that are derivable from any and all continuing applications, international applications, reissues, extensions, renewals and reexaminations of such Patents and Patent Applications, including, without limitation, patents, applications, utility models, inventor’s certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

WHEREAS, a recordable document is needed to demonstrate the assignment of the Patents and Patent Applications or any provisional, non-provisional, continuing (continuation, divisional, or continuation-in-part), international, reissue or reexamination application(s) thereof;

NOW, THEREFORE, the Assignor does hereby confirm, pursuant to an agreement including an obligation to assign, and for good and valuable consideration received at the time, that it assigned and transferred to Assignee, its representatives, successors, and assigns, its entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, in the United States and throughout the world, (a) in the application(s), in any and all applications thereon, and in any and all Letters Patent(s) therefor, and (b) in any and all applications that claim the benefit of the patent applications listed above in part (a), including

continuing applications, international applications, reissues, extensions, renewals and reexaminations of the patent applications or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and (c) in any and all inventions described in the patent applications listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent applications, and that are derivable from any and all continuing applications, international applications, reissues, extensions, renewals and reexaminations of such patent applications, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The Assignor agrees to execute all papers necessary in connection with the applications and Letters Patents as above, and any non-provisional, continuing (continuation, divisional, or continuation-in-part), international, reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The Assignor agrees to perform all affirmative acts at Assignee's request and expense that may be necessary to obtain or ensure a grant of a valid patent to the Assignee.

The Assignor hereby represents that Assignor has full right and authority to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict therewith.

SIGNED on behalf of the said ASSIGNOR,

REFERENCE GENOMICS, LLC.

By: Tom Brida

Name: Tom Brida

Title: President

Date: September 9, 2021

SIGNED on behalf of the said ASSIGNEE,

INVITAE CORPORATION

By: Tom Brida

Name: Tom Brida

Title: General Counsel and Secretary

Date: September 9, 2021

**SCHEDULE A**

**UNITED STATES PATENTS, UNITED STATES PATENT APPLICATIONS, AND  
INTERNATIONAL APPLICATIONS THAT DESIGNATE THE UNITED STATES**

	Application No.	Filing Date	Patent No.	Issue Date
1.	61/936,521	2/6/2014		
2.	14/615,672	02/06/2015	9,892,237	02/13/2018
3.	15/860,426	01/02/2018		
4.	17/343,591	06/09/2021		
5.	62/744,412	10/11/2018		
6.	16/600,226	10/11/2019		