

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3750357

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AMIRALI TALASAZ	07/02/2014
HELMY ELTOUKHY	07/02/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GUARDANT HEALTH, INC.
<b>Street Address:</b>	2686 MIDDLEFIELD ROAD
<b>City:</b>	REDWOOD CITY
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94063
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14712754
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)493-6811
<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>	
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<b>ATTORNEY DOCKET NUMBER:</b>	42534-704.301
<b>NAME OF SUBMITTER:</b>	CECILIA HUI
<b>SIGNATURE:</b>	/Cecilia Hui/
<b>DATE SIGNED:</b>	02/22/2016
<b>Total Attachments: 2</b>	
source=42534-704.301 Assignment#page1.tif	
source=42534-704.301 Assignment#page2.tif	

WHEREAS, the undersigned:

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| <b>1. AmirAli TALASAZ</b><br>2181 Camino a Los<br>Cerros<br>Menlo Park, CA 94025 | <b>2. Helmy ELTOUKHY</b><br>2 Barry Lane<br>Atherton, CA 94027 |
|--|--|

(hereinafter "Inventor(s)"), have invented certain new and useful improvements in:

**SYSTEMS AND METHODS TO DETECT RARE MUTATIONS AND COPY NUMBER VARIATION**

- ☐ For which a United States patent application is executed on even date herewith;
- ☐ For which Application No. \_\_\_\_\_ was filed on \_\_\_\_\_ in the United States Patent and Trademark Office;
- ☒ For which Application No. PCT/US2013/058061 was filed on September 4, 2013 in the U.S. Receiving Office of the Patent Cooperation Treaty;
- ☐ For which Application No. \_\_\_\_\_ was filed on \_\_\_\_\_ in the \_\_\_\_\_ Patent Office; and/or
- ☐ For which the Application was filed upon which a United States Patent issued on \_\_\_\_\_, as U.S. Patent No. \_\_\_\_\_ (hereinafter "Application(s)").

WHEREAS, Guardant Health, Inc., a corporation of the State of Delaware, having a place of business at 2686 Middlefield Rd., Suite D, Redwood City, CA 94063, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol or treaty.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions, including the right to claim priority to said Invention(s); (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any said Application(s); and (d) in and to each and every reissue, reexamination, supplemental examination or extension of any of said Patent(s).

2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enjoy to the fullest extent the right, title, and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Invention(s); (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patents(s); (e) for interference or other priority proceedings involving

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said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues, reexaminations, supplemental examinations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

3. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

4. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.

5. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

1.

Signature: 

Name: AmirAli Talasaz

Date: 7/2/2014

Witnessed By:

Signature: 

2.

Signature: 

Name: Helmy Eltokhy

Date: 7/2/2014

Witnessed By:

Signature: 