

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4932493

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ARASH JAMSHIDI	04/25/2018
GORDON CANN	04/25/2018
HAMED AMINI	04/18/2018
ALEX ARAVANIS	04/20/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GRAIL, INC.
<b>Street Address:</b>	1525 O'BRIAN DRIVE
<b>City:</b>	MENLO PARK
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94025
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15942237
<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>	IPGrail@grail.com
<b>Correspondent Name:</b>	GRAIL, INC.
<b>Address Line 1:</b>	1525 O'BRIEN DRIVE
<b>Address Line 4:</b>	MENLO PARK, CALIFORNIA 94025
<b>ATTORNEY DOCKET NUMBER:</b>	P0043-US
<b>NAME OF SUBMITTER:</b>	IRJA JADE SKYE
<b>SIGNATURE:</b>	/Irja J. Skye/
<b>DATE SIGNED:</b>	04/25/2018
<b>Total Attachments: 2</b>	
source=P0043-US Assignment (signed)#page1.tif	
source=P0043-US Assignment (signed)#page2.tif	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

**ASSIGNMENT OF APPLICATION**

Docket Number **GRA-0018-US/P0043-US**

Whereas, the undersigned:

Arash Jamshidi  
Redwood City, CA

Gordon Cann  
Redwood City, CA

Hamed Amini  
Menlo Park, CA

Alex Aravanis  
San Mateo, CA

hereinafter termed "Inventor", has invented certain new and useful improvements in

**LIBRARY PREPARATION AND USE THEREOF FOR SEQUENCING BASED ERROR  
CORRECTION AND/OR VARIANT IDENTIFICATION**

☒ for which United States Application No. 15/942,237 was filed on March 30, 2018.

WHEREAS, **GRAIL, Inc.** a Corporation, having a place of business at 1525 O'Brien Drive, Menlo Park, CA 94025, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said applications and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered jointly or severally by said Inventor (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

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

1. Said Inventor does hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor shall include prompt production of pertinent facts and documents, giving of 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 of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.

legal representatives and assigns.

4. Said Inventor hereby warrants and represents that he has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor has executed and delivered this instrument to said Assignee as of the date written below:

Date: 4/25/2018

Arash Jamshidi  
Arash Jamshidi

Date: 4/25/2018

Gordon Cann  
Gordon Cann

Date: 4/18/18

Hamed Amini  
Hamed Amini

Date: 4/20/2018

Alex Aravanis  
Alex Aravanis