504637038 11/10/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRANDON J. RICE	04/01/2016
DAVID HAUSSLER	03/30/2016

RECEIVING PARTY DATA

Name:	DOVETAIL GENOMICS, LLC
Street Address:	2161 DELAWARE AVE.
City:	SANTA CRUZ
State/Country:	CALIFORNIA
Postal Code:	95060

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15561447	

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	45269-711.831
NAME OF SUBMITTER:	ASHLEY GARCIA
SIGNATURE:	/Ashley Garcia/
DATE SIGNED:	11/10/2017

Total Attachments: 2

source=Dovetail 45269-711.831 Assignment as filed#page1.tif source=Dovetail 45269-711.831 Assignment as filed#page2.tif

PATENT 504637038 REEL: 044090 FRAME: 0918

PATENT ASSIGNMENT		Docket Number 45269-711.601		
WHEREAS, the undersigned:				
1. RICE, Brandon J. 2. HAUSSLER, David 2161 Delaware Ave. Santa Cruz, CA 95060 U.S.A. 2. HAUSSLER, David 2161 Delaware Ave. Santa Cruz, CA 95060 U.S.A.				
(hereinafter "Inventor(s))," have invented certain new and useful improvements in PHYSICAL LINKAGE PRESERVATION IN DNA STORAGE				
for which a United States patent application is executed on even date herewith; for which application serial numberwas filed on in the United States Patent and Trademark Office; for which application serial number PCT/US2016/024225 was filed on March 25, 2016 in the U.S. Receiving Office of the Patent Cooperation Treaty; for which application serial number was filed on in the Patent Office; and/or for which an application was filed upon which a United States Patent issued on, as U.S. Patent No.				

(hereinafter, "Application(s)"). The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).

WHEREAS, <u>DOVETAIL GENOMICS LLC</u>, a corporation of the <u>State of California</u>, having a place of business at <u>2161 Delaware Ave.</u>, <u>Santa Cruz, CA 95060, U.S.A.</u>, (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 thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise (hereinafter "Patent(s)").

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 and Applications, including the right to claim priority to said Inventions and said Applications; (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-in-part of any of said Application(s); (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s); and (e) in and to all claims for past, present and future infringement of the Patent(s), including all rights to sue for and to receive and recover for Assignee's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Patent(s).
- 2. Said Inventor(s) hereby covenant and agree 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, 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 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 applications covering said Inventions; (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 Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) 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 reasonable expenses incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- 3. 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.
- 4. Said Inventor(s) hereby warrant, represent and covenant that said Inventor(s) have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- 5. 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.

PATENT ASSIGNMENT

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6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

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

Date: 1 April 2016

Brandon J. RICE

Date:

David HAUSSLER

RECEIVED AND AGREED TO BY ASSIGNEE:

DOVETAIL GENOMICS LLC

Date: 1 April 2016

Signature: Zue

Name/Title: Brandon Rice/COO