

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5402552

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	DAVID R. LIU	04/30/2013
RECEIVING PARTY DATA		
Name:	HOWARD HUGHES MEDICAL INSTITUTE	
Street Address:	4000 JONES BRIDGE ROAD	
City:	CHEVY CHASE	
State/Country:	MARYLAND	
Postal Code:	20815	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	16266937	
CORRESPONDENCE DATA		
Fax Number:	(617)495-9568	
<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:	(617) 495-3067	
Email:	siobhan_murphy@harvard.edu	
Correspondent Name:	KAREN SINCLAIR	
Address Line 1:	1350 MASSACHUSETTS AVE	
Address Line 2:	HARVARD UNIVERSITY, OFFICE OF TECH. DEV.	
Address Line 4:	CAMBRIDGE, MASSACHUSETTS 02138	
ATTORNEY DOCKET NUMBER:	4742	
NAME OF SUBMITTER:	KAREN SINCLAIR	
SIGNATURE:	/K.S./	
DATE SIGNED:	03/04/2019	
Total Attachments: 3		
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CONFIRMATION OF ASSIGNMENT

Confirmation of Assignment made 6 / 30, 2012, by David R. Liu, PhD ("Inventor") to the Howard Hughes Medical Institute, a Delaware corporation ("HHMI").

Recitals

WHEREAS, Inventor is an employee of HHMI and, as a condition of his employment, has signed the Intellectual Property Assignment Agreement (the "Intellectual Property Agreement");

WHEREAS, pursuant to the Intellectual Property Agreement, Inventor (a) assigned to HHMI all rights he had in any intellectual property resulting from research by HHMI employees, alone or with others, whether or not patentable or copyrightable, and whether funded in whole or in part by HHMI (each a "Subject Property") and (b) agreed to execute any agreements that may be desired by HHMI in connection with such assignment;

WHEREAS, Inventor has, alone or with others invented "TALE Nucleases with Improved Specificity" which may be the subject of a patent application (the "Invention"), and the Invention is a Subject Property; and

WHEREAS, Inventor seeks to confirm the assignment of his interest in the Invention to HHMI, and HHMI desires the execution of a confirmatory assignment of all of Inventor's right, title, and interest in the Invention.

NOW, THEREFORE, in consideration of the promises contained in and the acts performed and to be performed pursuant to the Intellectual Property Agreement and of other good and valuable consideration, the receipt of which is hereby acknowledged by Inventor, Inventor agrees as follows:


1. Assignment. Inventor hereby confirms the assignment to HHMI of his entire right, title, and interest in the Invention; any United States patent applications and all corresponding foreign patent applications which are directed to the Invention and any and all patents issued therefrom; all United States or foreign division and continuation applications based on any of the foregoing; and any and all patents issued therefrom; and all claims which are directed to the Invention and which may be contained in continuation-in-part applications or in patents which issue therefrom.

2. Cooperation. Inventor agrees to execute upon request such further confirmatory assignments, documents, and other instruments as may be requested by HHMI in connection with the Invention and to assist HHMI (or others at the direction of HHMI) in applying for, obtaining, and enforcing patents, copyrights, or other rights in the United States and in any foreign country with respect to the Invention.

3. Parties. The terms and provisions of the Assignment shall inure to the benefit of HHMI and its successors and assigns and shall be binding on the Inventor and his heirs, personal representatives, successors and assigns.

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

Inventor:


David R. Liu, PhD

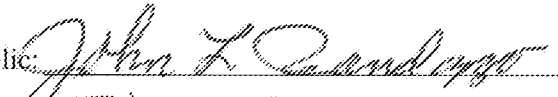
Commonwealth of Massachusetts

County of Middlesex

Then personally appeared before me the above-named David R. Liu, PhD and acknowledged that he executed the foregoing instrument in his authorized capacity this 30 day of APRIL, 2013.

(SEAL)

Notary Public:


John L. RANDAZZO
(print name)

My Commission Expires: _____

HU 4742
HHMI 05415

JOHN L. RANDAZZO
NOTARY PUBLIC
My commission expires Apr. 7, 2017

APPOINTMENT OF INVESTIGATOR AS AGENT

Appointment by the Howard Hughes Medical Institute ("HHMI") of David R. Liu, PhD, an employee of HHMI, as its agent for the purpose of assigning certain rights to President and Fellows of Harvard College ("Institution").

WHEREAS, HHMI and Institution collaborate in the active conduct of medical research pursuant to an Agreement between them dated as of April 14, 2003 (the "Agreement");

WHEREAS, pursuant to the Agreement, HHMI has agreed to assign to Institution HHMI's rights with respect to intellectual property resulting from research by HHMI employees, alone or with others, at the Institution during the term of the Agreement, whether or not patentable or copyrightable, and whether funded in whole or in part by HHMI (each a "Subject Property");

WHEREAS, research conducted pursuant to the Agreement by David R. Liu, PhD while employed by HHMI at Institution has resulted in the invention of a certain Subject Property entitled "TALE Nucleases with Improved Specificity," which may be the subject of a patent application (the "Invention"), and the Invention is a Subject Property; and

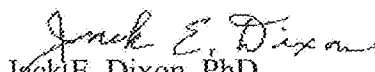
WHEREAS, HHMI wishes David R. Liu, PhD to act as its agent for the purpose of assigning to Institution the rights HHMI has in the Invention by reason of the research program conducted at Institution.

NOW THEREFORE, HHMI hereby appoints David R. Liu, PhD as its agent for the purpose of assigning the rights HHMI has or may acquire in the Invention by reason of the research program conducted at Institution to Institution in accordance with and subject to the conditions of the Agreement.

Executed: May 6, 2013

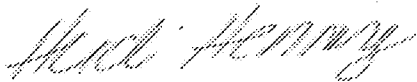
HOWARD HUGHES MEDICAL INSTITUTE

By:


Jack E. Dixon, PhD

Vice President and Chief Scientific Officer

ATTESTED:



Heidi Henning
Deputy General Counsel

HU 4742
HHMI 05415