506383271 12/03/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6430027

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
J. CHRISTOPHER LOVE	12/03/2020

RECEIVING PARTY DATA

Name:	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Street Address:	77 MASSACHUSETTS AVENUE
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139

PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US2018057170

CORRESPONDENCE DATA

Fax Number: (240)359-4879

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.

Phone: 9122574864

Email: BROD.Assignments@JMIN-IPLAW.COM

F. BRENT NIX Correspondent Name:

Address Line 1: JOHNSON, MARCOU, ISAACS & NIX, LLC

Address Line 2: P.O. BOX 691

HOSCHTON, GEORGIA 30548 Address Line 4:

ATTORNEY DOCKET NUMBER:	BROD-2325WP
NAME OF SUBMITTER:	SUSAN FRATTURA
SIGNATURE:	/Susan Frattura/
DATE SIGNED:	12/03/2020

Total Attachments: 4

source=BI_10238_signed_Love_Assignment_BROD-2325WP#page1.tif source=BI 10238 signed Love Assignment BROD-2325WP#page2.tif source=BI 10238 signed Love Assignment BROD-2325WP#page3.tif source=BI 10238 signed Love Assignment BROD-2325WP#page4.tif

PATENT REEL: 054533 FRAME: 0473 506383271

ASSIGNMENT

WHEREAS, we, TRAVIS HUGHES, having a correspondence address of c/o 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, MARC H. WADSWORTH, II, having a correspondence address of c/o 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, ALEXANDER K. SHALEK, having a correspondence address of c/o 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, TODD M. GIERAHN, having a correspondence address of c/o 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, J. CHRISTOPHER LOVE, having a correspondence address of c/o 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, and ANG A. TU, having a correspondence address of c/o 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, have invented with others certain inventions and improvements disclosed in an International PCT Patent Application entitled "CALLING GENETIC VARIATION FROM SINGLE-CELL TRANSCRIPTOMES," filed in the United States Patent and Trademark Office as Receiving Office on October 23, 2018 and assigned PCT International Application No. PCT/US2018/057170; and

WHEREAS, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, having a principal place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, is desirous of acquiring an interest in the same; and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we, TRAVIS HUGHES, MARC H. WADSWORTH, II, ALEXANDER K. SHALEK, TODD M. GIERAHN, J. CHRISTOPHER LOVE, and ANG A. TU, by these presents, do sell, assign, and transfer unto said Assignee, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, our full, exclusive, and entire right, title, and interest in and to said applications, in and to any divisions, continuations, reexaminations, and reissues thereof, and in and to all inventions and improvements disclosed and described in said applications, preparatory to obtaining Letters Patent of the United States therefor; and we hereby request the Director of the U.S. Patent and Trademark Office to issue any and all Letters Patent of the United States resulting from said applications, or from a division, continuation, reexamination, or reissue thereof, to MASSACHUSETTS INSTITUTE OF TECHNOLOGY, for its interest and for the use and benefit of MASSACHUSETTS INSTITUTE OF TECHNOLOGY, as assignees, and its assigns and legal representatives;

For the same consideration, we, by these presents, do sell, assign, and transfer to MASSACHUSETTS INSTITUTE OF TECHNOLOGY, our full, exclusive, and entire right, title, and interest in and to any foreign application or applications corresponding to said applications, in whole or in part, in countries other than the United States, in and to any Letters Patent and similar protective rights granted on said foreign applications, and in and to the right to claim any applicable priority rights arising from or required for said foreign applications under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of MASSACHUSETTS INSTITUTE OF TECHNOLOGY, or its designees insofar as permitted by applicable law;

AND, for the same consideration, we agree to sign all lawful papers, execute all division, continuing, reexamination, reissue, and other applications, make all assignments and rightful oaths, and generally do everything possible to aid MASSACHUSETTS INSTITUTE OF

Page 1 of 4

PATENT REEL: 054533 FRAME: 0474 Assignment PCT Application No. PCT/US2018/057170 Hughes, Wadsworth, Shalek, Gierahn, Love, Tu

TECHNOLOGY, its successors, assigns, and nominees to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

In testimony whereof, we hereunto set our hands and seals on the dates indicated below.

	TDAVIC HICHEC	DATE
COMMONIA	TRAVIS HUGHES VEALTH OF MASSACHUSETTS	DATE
COUNTY O	F MIDDLESEX	
of	Before me, a Notary Public in and for the aforementioned state, on this, 20, personally appeared TRAVIS HUGHES ,	
duly sworn,	signed and acknowledged the foregoing Assignment.	
	NOTARY PUBLIC	
	My Commission Expires:	
	MARC H. WADSWORTH II	DATE
COMMONV	VEALTH OF MASSACHUSETTS	
COUNTY O	F MIDDLESEX	
	Before me, a Notary Public in and for the aforementioned state, on this	
	, 20, personally appeared MARC H.	
WADSWOF Assignment.	RTH II, who, being duly sworn, signed and acknowledged the foregoing	
	NOTARY PUBLIC	
	My Commission Expires:	

Page 2 of 4

Assignment PCT Application No. PCT/US2018/057170 Hughes, Wadsworth, Shalek, Gierahn, Love, Tu

	ALEXANDER K. SHALEK	DATE
COMMONWEALTH OF MASSACHUSETTS		
COUNTY OF MIDDLESEX		
Before me, a Notary Public in and of, 20, per who, being duly sworn, signed and acknowledged	sonally appeared ALEXANDI	
		
	RY PUBLIC	
My Con	nmission Expires:	
	TODD M. GIERAHN	OATE
COMMONWEALTH OF MASSACHUSETTS		
COUNTY OF MIDDLESEX		
Before me, a Notary Public in and of, 20, per being duly sworn, signed and acknowledged the f	rsonally appeared TODD M.	
NOTAR	RY PUBLIC	
My Con	nmission Expires:	

Assignment PCT Application No. PCT/US2018/057170 Hughes, Wadsworth, Shalek, Gierahn, Love, Tu

In testimony whereof, we hereunto set our hands and seals on the dates indicated below.

		1. Christopher Love	12/3/2020
		J. CHRISTOPHER LOVE	DATE
		ANG A. TU	DATE
COMMONWEALTH	OF MASSACHUS	ETTS	
COUNTY OF MIDDI	LESEX		
Before	me, a Notary Public	in and for the aforementioned state,	on this day
		, personally appeared ANG A. To	
sworn, signed and ack	nowledged the foreg	going Assignment.	
		NOTARY PUBLIC	
	N	My Commission Expires:	

Page 4 of 4

BROD-2325WP BI-10238

RECORDED: 12/03/2020

PATENT REEL: 054533 FRAME: 0477