505283467 01/17/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5330241

	SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
Assignor(s) hereby confirms the ASSIGNMENT.		Corrective Assignment to correct the TITLE OF THE APPLICATION IN THE ASSIGNMENT previously recorded on Reel 046438 Frame 0124. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
JONATHAN GOOTENBERG	07/19/2018

RECEIVING PARTY DATA

Name:	PRESIDENT AND FELLOWS OF HARVARD COLLEGE	
Street Address:	ddress: 17 QUINCY STREET	
City:	CAMBRIDGE	
State/Country:	MASSACHUSETTS	
Postal Code:	02138	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15922879

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@jmi-iplaw.com

Correspondent Name: F. BRENT NIX, ESQ.

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Address Line 2: P.O. BOX 691

Address Line 4: HOSCHTON, GEORGIA 30548

ATTORNEY DOCKET NUMBER:	BROD-2032
NAME OF SUBMITTER:	SUSAN FRATTURA
SIGNATURE:	/Susan Frattura/
DATE SIGNED:	01/17/2019

Total Attachments: 3

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PATENT 505283467 REEL: 049191 FRAME: 0633

505016794 07/24/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5063542

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JONATHAN GOOTENBERG	07/19/2018

RECEIVING PARTY DATA

Name:	PRESIDENT AND FELLOWS OF HARVARD COLLEGE
Street Address:	17 QUINCY STREET
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02138

PROPERTY NUMBERS Total: 1

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Application Number:	15922879

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Correspondent Name: F. BRENT NIX, ESQ.

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Address Line 2: JOHNSON, MARCOU & ISAACS, LLC

Address Line 4: HOSCHTON, GEORGIA 30548

ATTORNEY DOCKET NUMBER:	BROD-2032
NAME OF SUBMITTER:	GWEN B. ROSS
SIGNATURE:	/GWEN B. ROSS/
DATE SIGNED:	07/24/2018

Total Attachments: 2

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PATENT 505016794 REEL: 04**0498** FRAME: 0**62**4

WHEREAS, I, JONATHAN GOOTENBERG, having a correspondence address at c/o
17 Quincy Street, Cambridge, Massachusetts 02138, have invented with others certain inventions
and improvements disclosed in a patent application entitled "CRISTR EFFECTOR SYSTEM BASED
DIAGNOSTICS," filed in the United States Patent and Trademark Office as follows:

12/17,18

-	Application No.	Filing Date
	15/922,879	March 15, 2018

; and

WHEREAS, the PRESIDENT AND FELLOWS OF HARVARD COLLEGE, having a principal place of business at 17 Quincy Street, Cambridge, Massachusetts 02138, is desirous of acquiring an interest in the same; and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which I hereby acknowledge, I, JONATHAN GOOTENBERG, by these presents, do sell, assign, and transfer unto said Assignee, PRESIDENT AND FELLOWS OF HARVARD COLLEGE, my full, exclusive, and entire right, title, and interest in and to said application, 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 PRESIDENT AND FELLOWS OF HARVARD COLLEGE, for their interest and for the use and benefit of PRESIDENT AND FELLOWS OF HARVARD COLLEGE as assignce, and their assigns and legal representatives;

For the same consideration, I, by these presents, do sell, assign, and transfer to the PRESIDENT AND FELLOWS OF HARVARD COLLEGE, my full, exclusive, and entire right, title, and interest in and to any foreign application or applications corresponding to said

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Assignment U.S. Patent Application No. 15/922,879 Gootenberg

application, 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 PRESIDENT AND FELLOWS OF HARVARD COLLEGE, or their designees insofar as permitted by applicable law:

AND, for the same consideration, I agree to sign all lawful papers, execute all divisions, continuations, reexaminations, reissues, and other applications, make all assignments and rightful oaths, and generally do everything possible to aid the PRESIDENT AND FELLOWS OF HARVARD COLLEGE, their 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, I hereunto set my hand and scal on the date indicated below.

Jonathan Gootenberg Date

COMMONWEALTH OF MASSACHUSETTS COUNTY OF MIDDLESEX

	blic in and for the aforementioned state, on this
day of	personally appeared JONATHAN GOOTENBERG,
who, being duly sworn, signed and ack	mowledged the foregoing Assignment.
ACAMEMINATION TARA BURKE	
TARA Public Notary Public Notary Public Notary Public Notary Public Notary Public Notary Nota	NOTARY PUBLIC
Notary Public COMMONWEALTH OF MESSACHUSETTS My Commission Expires My January 20, 2023 January 20, 2023	My Commission Expires: 1/20/23

PATENT REEL: 049191 FRAME: 0636

RECORDED: 01/17/2019