506079846 05/28/2020

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| JONATHAN GOOTENBERG | 09/28/2018 |

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

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16645571 |

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.

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Address Line 4: HOSCHTON, GEORGIA 30548

| ATTORNEY DOCKET NUMBER: | BROD-2277US | |
|-------------------------|--------------------|--|
| NAME OF SUBMITTER: | LYNN F. MCMILLER | |
| SIGNATURE: | /Lynn F. McMiller/ | |
| DATE SIGNED: | 05/28/2020 | |

Total Attachments: 2

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PATENT 506079846 REEL: 052775 FRAME: 0947

WHEREAS, I, JONATHAN GOOTENBERG, having a correspondence address of c/o 17 Quincy Street, Cambridge, Massachusetts 02138, have invented with others certain inventions and improvements disclosed in an International PCT Patent Application entitled "MULTI-EFFECTOR CRISPR BASED DIAGNOSTIC SYSTEMS," filed in the United States Patent and Trademark Office as Receiving Office on September 7, 2018 and assigned PCT International Application No. PCT/US2018/050091; and

WHEREAS, 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 I 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 application, or from a division, continuation, reexamination, or reissue thereof, to PRESIDENT AND FELLOWS OF HARVARD COLLEGE, for its interest and for the use and benefit of PRESIDENT AND FELLOWS OF HARVARD COLLEGE, as assignee, and its assigns and legal representatives;

For the same consideration, I, by these presents, do sell, assign, and transfer to 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 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 PRESIDENT AND FELLOWS OF HARVARD COLLEGE, or its designees insofar as permitted by applicable law;

AND, for the same consideration, I 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 PRESIDENT AND FELLOWS OF HARVARD COLLEGE, its successors, assigns, and nominees to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

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Assignment PCT Application No. PCT/US2018/050091 Gootenberg

In testimony whereof, I hereunto set my hand and seal on the date indicated below.

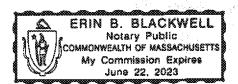
JONATHAN GOOTENBERG Date

COMMONWEALTH OF MASSACHUSETTS COUNTY OF MIDDLESEX

Before me, a Notary Public in and for the aforementioned state, on this 29⁸⁴ day of SEPTEMBER., 2018, personally appeared JONATHAN GOOTENBERG, who, being duly sworn, signed and appeared the foregoing Assignment.

NOTARY PUBLIC

My Commission Expires:



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