

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
EKATERINA SEMENOVA	02/05/2019
KONSTANTIN SEVERINOV	02/13/2019
LEONID MINAKHIN	02/05/2019
RECEIVING PARTY DATA	
Name:	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY
Street Address:	OLD QUEEN'S
Internal Address:	SOMERSET STREET
City:	NEW BRUNSWICK
State/Country:	NEW JERSEY
Postal Code:	08901
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15844530
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	BROD-3480US2
NAME OF SUBMITTER:	SUSAN FRATTURA
SIGNATURE:	/Susan Frattura/
DATE SIGNED:	03/12/2019
Total Attachments: 3	
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ASSIGNMENT

WHEREAS, we, **EKATERINA SEMENOVA**, having a correspondence address of c/o Old Queen's Somerset Street, New Brunswick, New Jersey 08901, **KONSTANTIN SEVERINOV**, having a correspondence address of c/o Old Queen's Somerset Street, New Brunswick, New Jersey 08901, and **LEONID MINAKHIN**, having a correspondence address of c/o Old Queen's Somerset Street, New Brunswick, New Jersey 08901, have invented with others certain inventions and improvements disclosed in a patent application entitled "**NOVEL CRISPR ENZYMES AND SYSTEMS**," filed with the United States Patent and Trademark Office on December 16, 2017 and assigned U.S. Patent Application No. 15/844,530; and

WHEREAS, **RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY**, having a principal place of business at Old Queen's Somerset Street, New Brunswick, New Jersey 08901, 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, **EKATERINA SEMENOVA**, **KONSTANTIN SEVERINOV**, and **LEONID MINAKHIN**, *by these presents, do sell, assign, and transfer unto said Assignee*, **RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY**, our 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 **RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY**, for its interest and for the use and benefit of **RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY**, as assignee, and its assigns and legal representatives;

For the same consideration, we, by these presents, do sell, assign, and transfer to **RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY**, our full, exclusive, and entire right, title, and interest in and to any foreign application or applications corresponding to said 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 **RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY**, 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 **RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY**, 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.

E. Semenova 02/05/2019
EKATERINA SEMENOVA Date

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

Before me, a Notary Public in and for the aforementioned state, on this 5th day of February, 2019, personally appeared **EKATERINA SEMENOVA**, who, being duly sworn, signed and acknowledged the foregoing Assignment.

MARYANN BYTHELL
NOTARY PUBLIC OF NEW JERSEY
Comm. # 50056854
My Commission Expires 3/28/2022

Maryann Bythell
NOTARY PUBLIC
My Commission Expires: 3/28/2022

[Signature] 02/13/2019
KONSTANTIN SEVERINOV Date

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

Before me, a Notary Public in and for the aforementioned state, on this 13th day of February, 2019, personally appeared **KONSTANTIN SEVERINOV**, who, being duly sworn, signed and acknowledged the foregoing Assignment.

Maryann Bythell
NOTARY PUBLIC
My Commission Expires: 3/28/2022

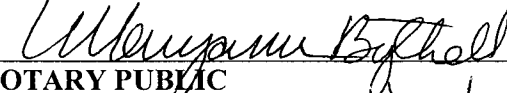
MARYANN BYTHELL
NOTARY PUBLIC OF NEW JERSEY
Comm. # 50056854
My Commission Expires 3/28/2022

Assignment
U.S. Non-Provisional Application No. 15/844,530
Semenova, Severinov, and Minakhin


LEONID MINAKHIN
02/05/2019
Date

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

Before me, a Notary Public in and for the aforementioned state, on this 5th day of February, 2019, personally appeared **LEONID MINAKHIN**, who, being duly sworn, signed and acknowledged the foregoing Assignment.


NOTARY PUBLIC
My Commission Expires: 3/28/2022

MARYANN BYTHELL
NOTARY PUBLIC OF NEW JERSEY
Comm. # 50058854
My Commission Expires 3/28/2022

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