

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JENNIFER A. DOUDNA	04/08/2021
BASEM AL-SHAYEB	08/11/2021
JILLIAN F. BANFIELD	03/25/2020
PATRICK PAUSCH	07/27/2021
RECEIVING PARTY DATA	
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Postal Code:	94607
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17403245
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Address Line 4:	REDWOOD CITY, CALIFORNIA 94065
ATTORNEY DOCKET NUMBER:	BERK-403CON8
NAME OF SUBMITTER:	PAULA A. BORDEN
SIGNATURE:	/Paula A. Borden/
DATE SIGNED:	02/04/2022
Total Attachments: 5	

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source=BERK-403WO (BK-2019-102-5PCT) EXECUTED Assignment#page5.tif

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

- | | | | |
|----|----------------------------|----|------------------------|
| 1. | Jennifer A. Doudna | 2. | Basem Al-Shayeb |
| 3. | Jillian F. Banfield | 4. | Patrick Pausch |

hereby sells, assigns and transfers to ASSIGNEE, **The Regents of the University of California**, a California Corporation, having its principal place of business at **1111 Franklin Street, 12th Floor, Oakland, California 94607**, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

“CRISPR-CAS EFFECTOR POLYPEPTIDES AND METHODS OF USE THEREOF”

and which is found in

- | | | | | | |
|-----|----------|-----------------------------|--------------------------|----------|----------------------|
| (a) | _____ | U.S. Application Serial No. | _____ | filed on | _____ |
| (b) | <u>X</u> | PCT Patent Application No. | <u>PCT/US2020/021213</u> | filed on | <u>March 5, 2020</u> |

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby agrees that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

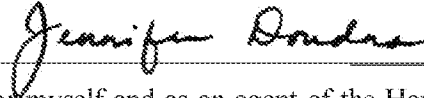
ASSIGNOR(S) further agrees that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, post grant review, inter partes review, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE.

Executed this

Signature of Inventor(s)

8th day of April, 20 21



(For myself and as an agent of the Howard Hughes
Medical Institute)

Jennifer A. Doudna

_____ day of _____, 20 _____

Basem Al-Shayeb

_____ day of _____, 20 _____

Jillian F. Banfield

_____ day of _____, 20 _____

Patrick Pausch

Hereby accepted on behalf of the assignee:

/Paula A. Borden/

Patent Agent

August 11, 2021

Name

Title

Date

Executed this

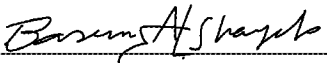
Signature of Inventor(s)

_____ day of _____, 20_____

(For myself and as an agent of the Howard Hughes
Medical Institute)

Jennifer A. Doudna

11 day of August, 20 21



Basem Al-Shayeb

_____ day of _____, 20_____

Jillian F. Banfield

_____ day of _____, 20_____

Patrick Pausch

Hereby accepted on behalf of the assignee:

/Paula A. Borden/

Patent Agent

August 11, 2021

Name

Title

Date

Executed this

Signature of Inventor(s)

____ day of _____, 20____

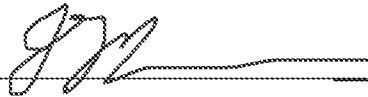
(For myself and as an agent of the Howard Hughes
Medical Institute)

Jennifer A. Doudna

____ day of _____, 20____

Basem Al-Shayeb

25 day of March, 2020



Jillian F. Banfield

____ day of _____, 20____

Patrick Pausch

Hereby accepted on behalf of the assignee:

/Paula A. Borden/	Patent Agent	August 11, 2021
_____ Name	_____ Title	_____ Date

Executed this

Signature of Inventor(s)

_____ day of _____, 20_____

(For myself and as an agent of the Howard Hughes
Medical Institute)

Jennifer A. Doudna

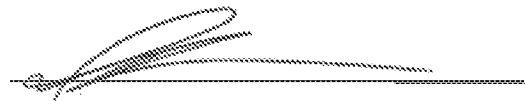
_____ day of _____, 20_____

Basem Al-Shayeb

_____ day of _____, 20_____

Jillian F. Banfield

27 day of July, 2021



Patrick Pausch

Hereby accepted on behalf of the assignee:

/Paula A. Borden/

Patent Agent

August 11, 2021

Name

Title

Date