

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3869261

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JENNIFER A. DOUDNA	01/31/2014
MARTIN JINEK	02/01/2014
LEI S. QI	11/08/2013
JAMES HARRISON DOUDNA CATE	11/11/2013
WENDELL A. LIM	11/08/2013

RECEIVING PARTY DATA

Name:	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
Street Address:	1111 FRANKLIN STREET
Internal Address:	12TH FLOOR
City:	OAKLAND
State/Country:	CALIFORNIA
Postal Code:	94607-5200

PROPERTY NUMBERS Total: 9

Property Type	Number
Application Number:	14685502
Application Number:	14685504
Application Number:	14685513
Application Number:	14685514
Application Number:	14685516
Application Number:	14942782
Application Number:	15138604
Application Number:	14403475
Application Number:	15090511

CORRESPONDENCE DATA

Fax Number: (650)327-3231

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: 6503273400

Email: lam@bozpat.com

Correspondent Name:	BOZICEVIC, FIELD & FRANCIS LLP
Address Line 1:	1900 UNIVERSITY AVENUE
Address Line 2:	SUITE 200
Address Line 4:	EAST PALO ALTO, CALIFORNIA 94303

ATTORNEY DOCKET NUMBER:	BERK-187 GEN
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NAME OF SUBMITTER:	KYLE A. GURLEY
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SIGNATURE:	/Kyle A. Gurley, Reg. No. 71,101/
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DATE SIGNED:	05/11/2016
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Total Attachments: 5

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ASSIGNMENT

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

1. Jennifer A. Doudna,
2. Martin Jinek
3. Lei S. Qi
4. James Harrison Doudna Cate
5. Wendell A. Lim

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin Street, Twelfth Floor, Oakland, CA 94607-5200, 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:

"Methods and Compositions for RNA-Directed Target DNA Modification and For RNA-Directed Modulation of Transcription"

and which is found in

- (a) _____ U.S. provisional application filed herewith and listing the above named persons as inventors
- (b) _____ U.S. patent application filed herewith and listing the above named persons as inventors
- (c) X U.S. application serial no. 13/842,859, filed on March 15, 2013
- (d) _____ U.S. Patent No.: _____, issued _____
- (e) _____ PCT Patent Application No. _____, filed on _____

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, The Regents of the University of California.

Executed this

31 day of Jan., 2014

____ day of _____, 20____

____ day of _____, 20____

Signature of Inventor(s)

Jennifer A. Doudna
Jennifer A. Doudna

Martin Jinek

Lei S. Qi

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Executed this

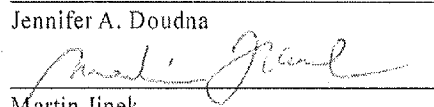
_____ day of _____, 20__

^{1st} _____ day of February, 2014

_____ day of _____, 20__

Signature of Inventor(s)

Jennifer A. Doudna


Martin Jinek

Lei S. Qi

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Executed this

Signature of Inventor(s)

_____ day of _____, 20____

Jennifer A. Doudna

_____ day of _____, 20____

Martin Jinek

8/13/13
_____ day of November, 2013

[Signature]

Lei S. Qi

ASSIGNMENT
Atty Docket No.: BERK-187
UC Case No.: BK-2012-115-5

11th day of November, 2013

James Harrison Doudna Cate
James Harrison Doudna Cate

____ day of _____, 20____

Wendell A. Lim

Assignee hereby accepts this Assignment:

Paula Borden Patent Agent Aug. 4, 2014
Name Title Date

Page 2 of 2

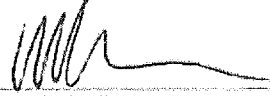
PATENT
REEL: 038554 FRAME: 0751

Page 1 of 2

____ day of _____, 20____

8th day of November, 2013

James Harrison Doudna Cate


Wendell A. Lim

Assignee hereby accepts this Assignment:

Name

Title

Date

Page 2 of 2