

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5107214

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JINGYUE JU	07/18/2018
XIAOXU LI	07/17/2018
XIN CHEN	07/17/2018
ZENGMIN LI	07/17/2018
SHIV KUMAR	07/17/2018
SHI SHUNDI	07/17/2018
CHENG GUO	07/17/2018
JIANYI REN	07/17/2018
MIN-KANG HSIEH	07/17/2018
MINCHEN CHIEN	07/17/2018
CHUANJUAN TAO	07/17/2018
ECE ERTURK	07/17/2018
SERGEY KALACHIKOV	07/17/2018
JAMES J. RUSSO	07/17/2018
RECEIVING PARTY DATA	
Name:	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK
Street Address:	412 LOW MEMORIAL LIBRARY, 535 W. 116TH ST.
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10027
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15763364
CORRESPONDENCE DATA	
Fax Number:	(212)391-0525
<i>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.</i>	
Phone:	2122780400
Email:	pdocketing@cooperdunham.com

PATENT

Correspondent Name:	COOPER & DUNHAM LLP
Address Line 1:	30 ROCKEFELLER PLAZA
Address Line 2:	20TH FLOOR
Address Line 4:	NEW YORK, NEW YORK 10112

ATTORNEY DOCKET NUMBER:	88050-A-PCT-US/JPW/GJG/CE
--------------------------------	---------------------------

NAME OF SUBMITTER:	LINSHENG LI
---------------------------	-------------

SIGNATURE:	88050-A-PCT-US/LL/for John P. White
-------------------	-------------------------------------

DATE SIGNED:	08/23/2018
---------------------	------------

Total Attachments: 5

source=180823_88050-A-PCT-US_Assignment_CAE#page1.tif

source=180823_88050-A-PCT-US_Assignment_CAE#page2.tif

source=180823_88050-A-PCT-US_Assignment_CAE#page3.tif

source=180823_88050-A-PCT-US_Assignment_CAE#page4.tif

source=180823_88050-A-PCT-US_Assignment_CAE#page5.tif

Assignment of Non-Provisional Application

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned,

Jingyue Ju, of 267 Marietta Street, Englewood Cliffs, NJ 07632, U.S.A.; Xiaoxu Li, of 403 W 115th Street, Apt 22, New York, NY 10025, U.S.A.; Xin Chen, 567 W 125th Street, #6C, New York, NY 10027, U.S.A.; Zengmin Li, of 29-10 137th Street, Flushing, NY 11354, U.S.A.; Shiv Kumar, 21 Muirhead Court, Belle Mead, NJ 08502, U.S.A.; Shi Shundi, of 77-05 95th Ave, Ozone Park, NY 11416, U.S.A.; Cheng Guo, of 23 Bay 8th Street, 1st Floor, Brooklyn, NY 11228, U.S.A.; Jianyi Ren, of 536 W 113th Street, #35, New York, NY 10025, U.S.A.; Min-Kang Hsieh, of 521 W. 122nd Street, Apt. 34, New York, NY 10027, U.S.A.; Minchen Chien, of 273 Tenaflly Road, Tenaflly, NJ 07670, U.S.A.; Chuanjuan Tao, of 3 Horizon Road, Apt 1211, Fort Lee, NJ 07024, U.S.A.; Ece Erturk, of 435 W 119th Street, 2L, New York, NK 10027; Sergey Kalachikov, of 5425 Valles Avenue, Apt. 2J, Bronx, NY 10471, U.S.A.; and James J. Russo, of 60 Haven Avenue, Apt. 25E, New York, NY 10032, U.S.A.

Effective September 28, 2016

Hereby sell, assign and transfer to The Trustees of Columbia University in the City of New York, a corporation of the State of New York, having a place of business at 412 Low Memorial Library, 535 W. 116th St., in the County of New York and State of New York, 10027, its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the application for United States Patent, which has been executed by the undersigned on 07/17/18 and 07/18/18 and is entitled

DESIGN AND SYNTHESIS OF NOVEL DISULFIDE LINKER BASED NUCLEOTIDES AS REVERSIBLE TERMINATORS FOR DNA SEQUENCING BY SYNTHESIS (U.S. Serial No. 15/763,364, filed March 26, 2018, §371 national stage of PCT International Application No. PCT/US2016/054236, filed September 28, 2016, claiming the benefit of U.S. Provisional Applications Nos. 62/257,102, filed November 18, 2015 and 62/233,950, filed September 28, 2015)

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Authorize and request the Commissioner for Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.


Date: 07/18/18

Witness: Charles Sebold

Charles Sebold (printed name)

550 W 120th St (address)

NY, NY 10022


Jingrui Ju

Date: 07/17/18
 Witness: Christina Salinas
350 W 120th St
NY, NY 10027

Xiao Li Li
 Xiao Li

Date: 07/17/18
 Witness: Christina Salinas
350 W 120th St
NY, NY 10027

Xin Chen Chen
 Xin Chen

Date: 07/17/18
 Witness: Christina Salinas
350 W 120th St
NY, NY 10027

Li Li
 Li

Date: 7/17/18
 Witness: Christina Salinas
350 W 120th St
NY, NY 10027

Shi Kumar Kumar
 Shi Kumar

Date: 07/17/18
 Witness: Christina Salinas
350 W 120th St
NY, NY 10027

Shi Shunli Shunli
 Shi Shunli

Date: 07/17/18
 Witness: Christine Salbado
Christine Salbado
550 W 120th St
NY, NY 10022

Cheng Gao 1.8

Date: 07/17/18
 Witness: Christine Salbado
Christine Salbado
550 W 120th St
NY, NY 10022

Jiangyi Ren 1.8

Date: 07/17/18
 Witness: Christine Salbado
Christine Salbado
550 W 120th St
NY, NY 10022

Min-Kang Hsieh 1.8

Date: 7/17/2018
 Witness: Christine Salbado
Christine Salbado
550 W 120th St
NY, NY 10022

Mirshen Olan 1.8

Date: 07/17/18
 Witness: Christine Salbado
Christine Salbado
550 W 120th St
NY, NY 10022

Chunjin Tao 1.8

Date: 07/17/18
 Witness: Christine S. Saltonstall (signed)
550 W 120th St (address)
NY, NY 10027

[Signature] (signed)
 Eric E. Smith

Date: 07/17/18
 Witness: Christine S. Saltonstall (signed)
550 W 120th St (address)
NY, NY 10027

[Signature] (signed)
 Sergey Kikotkin

Date: 07/17/18
 Witness: Christine S. Saltonstall (signed)
550 W 120th St (address)
NY, NY 10027

[Signature] (signed)
 James J. Russo

Date: _____
 Witness: _____ (signed)
 _____ (address)
 _____ (address)

_____ (signed)

Date: _____
 Witness: _____ (signed)
 _____ (address)
 _____ (address)

_____ (signed)