

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5261124

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JINGYUE JU	11/02/2001
ZENGMIN LI	10/19/2001
JOHN ROBERT EDWARDS	10/18/2001
YASUHIRO ITAGAKI	10/18/2001
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK
<b>Street Address:</b>	WEST 116TH STREET AND BROADWAY
<b>Internal Address:</b>	110 LOW MEMORIAL LIBRARY
<b>City:</b>	NEW YORK
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10027
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16200557
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(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>	
<b>Phone:</b>	212-278-0400
<b>Email:</b>	pdocketing@cooperdunham.com
<b>Correspondent Name:</b>	COOPER & DUNHAM LLP
<b>Address Line 1:</b>	30 ROCKEFELLER PLAZA
<b>Address Line 4:</b>	NEW YORK, NEW YORK 10112
<b>ATTORNEY DOCKET NUMBER:</b>	62239-BZA6ACA/JPW/BI
<b>NAME OF SUBMITTER:</b>	BRITTANY INTERNOSCIA
<b>SIGNATURE:</b>	62239-BZA6ACA/BI/for John P. White
<b>DATE SIGNED:</b>	11/29/2018
<b>Total Attachments: 3</b>	
source=181130_62239_BZA6ACA_Assignment_BI#page1.tif	

source=181130\_62239\_BZA6ACA\_Assignment\_BI#page2.tif

source=181130\_62239\_BZA6ACA\_Assignment\_BI#page3.tif

## Assignment

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

Jingyue Ju of 267 Marietta Street, Englewood Cliffs, New Jersey 07632, USA;  
 Zengmin Li of 647 West 172nd St., Apt. 41, New York, New York 10032, USA;  
 John Robert Edwards of 485 Central Park West, Apt. 3C, New York, New York 10025, USA; and Yasuhiro Itagaki of 400 West 119th St. Apt. 12-D, New York, New York 10027, USA,

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 110 Low Memorial Library, West 116th  
 & Broadway in the County of New York and State of New York 10027, U.S.,  
 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 October 31, 2001,  
 and is entitled

October 19, 2001;  
 October 18, 2001;  
 October 18, 2001.

MASSIVE PARALLEL METHOD FOR DECODING DNA AND RNA  
 (U.S. Serial No. 09/972,364, filed October 5, 2001)

(claims the benefit of U.S. Provisional Application No. 60/300,894,  
 filed June 26, 2001, and is a continuation-in-part of U.S. Serial  
 No. 09/684,670, filed October 6, 2000)

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 of 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 applications;

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: 11/2 2001

Witness: Xiaoping Bai

XIAOPENG BAI

361 Riverside Drive #2C3

New York - NY 10025

  
Jingyue Ju

(U.S.)

Date: 12/19 2001

Witness: Chih-Yung Wang

Chih-Yung Wang

512 W 112 St Apt 3G

New York NY 10025

  
Chih-Yung Wang

(U.S.)

[Signature] [L.S.]

Date: 10/18/01 2001 John Robert Edwards

Witness: [Signature]  
TUOC N&UYEM  
247 W. 63rd Street PB  
New York, NY 10023

[Signature] [L.S.]  
Yasuhiko Itagaki

Date: 10/18/01 2001 Yasuhiko Itagaki

Witness: [Signature]  
Anthony Tong  
530 W. 122 St, 3B  
New York, NY 10027

Date: \_\_\_\_\_ 20 \_\_\_\_\_ [L.S.]

Witness: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_