

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PING TAK PETER TANG	07/06/2017
J.P. GROSSMAN	07/19/2017
BRANNON BATSON	07/13/2017
RON DROR	07/19/2017
RECEIVING PARTY DATA	
Name:	D.E. SHAW RESEARCH, LLC
Street Address:	120 W. 45TH ST
Internal Address:	39TH FLOOR
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10036
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16566041
CORRESPONDENCE DATA	
Fax Number:	(617)500-2499
<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:	617-500-2500
Email:	INFO@ORPATENT.COM
Correspondent Name:	OCCHIUTI & ROHLICEK LLP
Address Line 1:	50 CONGRESS STREET
Address Line 2:	SUITE 1000
Address Line 4:	BOSTON, MASSACHUSETTS 02109
ATTORNEY DOCKET NUMBER:	30023-019002
NAME OF SUBMITTER:	ANDREA R OCCHIUTI
SIGNATURE:	/Andrea R. Occhiuti/
DATE SIGNED:	09/10/2019
Total Attachments: 3	

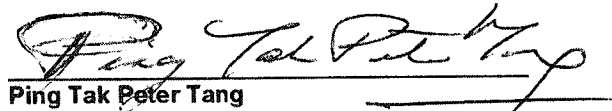
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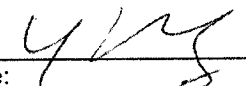
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ASSIGNMENT

For valuable consideration, we, **Ping Tak Peter Tang** of 4 Whitehall Avenue, Edison, NJ 08820, **J.P. Grossman** of 347 W. Hills Rd., Huntington, NY 11743, **Brannon Batson** of 55 Poplar Street, Apt 3B, Brooklyn, NY 11201, **Ron Dror** of 817 Santa Fe Ave., Stanford, CA 94305, hereby assign to D.E. Shaw Research, LLC, a corporation of Delaware, having a place of business at 120 W. 45th St., 39th Floor, New York, NY 10036, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled **SUPPRESSING INTERACTION BETWEEN BONDED PARTICLES**, filed 5/15/2017, and assigned U.S. Serial Number 15/526,846, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: July 6, 2017
Ping Tak Peter Tang

WITNESS:

 YI REN TANG
Name:Address: 4 WHITEHALL AVE, EDISON, NJ 08820

WITNESS:


Name: _____

Address: _____

Date: 7/19/2017


J.P. Grossman

WITNESS:

MADELEINE WEINGARTEN 
Name:

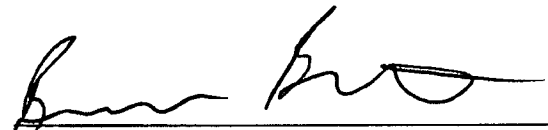
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NEW YORK, NY, 10065

WITNESS:

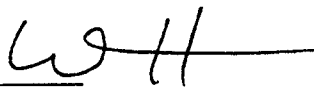
Name:

Address: _____

Date: 7-13-2017


Brannon Batson

WITNESS:

William Hasenpflug 
Name:

Address: 341 Clinton St. Apt. 2
Brooklyn, NY 11231

WITNESS:

Name:

Address: _____

Date: 7/19/17

Ron Dror
Ron Dror

WITNESS:

Grayce Ujihara
Name: G. Ujihara

Address: 353 Serra Mall
Stanford, CA 94305

WITNESS:

Name:

Address: _____

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