## 505204749 11/26/2018

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5251517

SUBMISSION TYPE: NATURE OF CONVEYANCE:		NEW ASSIGNMENT		
		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY	DATA			
		Name	Execution Date	
CHEN CHEN			05/17/2018	
RECEIVING PARTY I	ΟΑΤΑ			
Name:	THE TRU YORK	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK		
Street Address:	412 LOV	V MEMORIAL LIBRARY		
Internal Address:	535 WE	ST 116TH STREET		
City:	NEW YC	DRK		
State/Country:	NEW YC	DRK		
Postal Code:	10027			
Application Number:	: 1	4457023	-	
PROPERTY NUMBER		Number	-	
Application Number:	: 1	4457023		
Application Number:	: 6	1864277		
Application Number:6186		1864285		
CORRESPONDENCE	DATA			
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		the e-mail address first; if that is un if that is unsuccessful, it will be see		
using a fax number, if provided; if the Phone 212-4		12-408-2500		
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Email: Correspondent Name	E: D	-		
Email: Correspondent Name Address Line 1: Address Line 2:	E: B 3 4	AKER BOTTS L.L.P. 0 ROCKEFELLER PLAZA 4TH FLOOR		
	E: B 3 4	AKER BOTTS L.L.P. 0 ROCKEFELLER PLAZA		
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Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET	e: B 3 4 N NUMBER:	AKER BOTTS L.L.P. 0 ROCKEFELLER PLAZA 4TH FLOOR IEW YORK, NEW YORK 10112-4498		
Email: Correspondent Name Address Line 1: Address Line 2:	e: B 3 4 N NUMBER:	AKER BOTTS L.L.P. 0 ROCKEFELLER PLAZA 4TH FLOOR IEW YORK, NEW YORK 10112-4498 070050.5298		
Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NAME OF SUBMITTER	e: B 3 4 N NUMBER:	AKER BOTTS L.L.P. 0 ROCKEFELLER PLAZA 4TH FLOOR IEW YORK, NEW YORK 10112-4498 070050.5298 HIROKO LAVIETES		
Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET IAME OF SUBMITTEI	e: B 3 4 N NUMBER:	AKER BOTTS L.L.P. 0 ROCKEFELLER PLAZA 4TH FLOOR IEW YORK, NEW YORK 10112-4498 070050.5298 HIROKO LAVIETES /Hiroko Lavietes/		

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Atty. Docket: 070050.5298 PATENT ASSIGNMENT of U.S. SN#14/457.023

## WORLDWIDE ASSIGNMENT

WHEREAS, Chen Chen, a citizen of <u>United States</u>, having a Ca shiring 233 Convert State Ant # DZF, New York, NY 100.2

residence address at 277 Avenue C, Apt. # 4E, New York, NY 10009; and Elisa E. Konofagou,

a citizen of \_\_\_\_\_\_, having a residence address at 101 West End Avenue,

Apt. 25G, New York, NY 10023; (hereinafter "ASSIGNORS"), have made an invention

entitled "Systems And Methods For Targeted Drug Delivery", for which

- $\boxtimes$ The No n-Provisional Continuation was filed on August 11, 2014 as Application No. 14/457,023;
- $\square$ a Provisional Application was filed on August 9, 2013 as Application No. 61,864,277; and, another

 $\boxtimes$ Provisional Application was filed on August 9, 2013 as Application No. 61,864,285.

WHEREAS, THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK (hereinafter "ASSIGNEE"), having its principal place of business at 412 Low Memorial Library, 535 West 116th Street, New York, NY, 10027, is desirous of acquiring our rights, title and interest in and to said application for Letters Patent, and any continuations, divisions, extensions, substitutions, reissues and reexaminations thereof:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that WE, the said ASSIGNORS, for and in consideration of valuable considerations unto us moving from said ASSIGNEE, at or before the ensealing and delivery of these presents, the receipt and sufficiency of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to the Invention entitled "Systems And Methods For Targeted Drug Delivery" and any and all improvements thereto, and in and to the application and any division, continuation or continuation-in-part thereof, and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues or re-exams thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements, including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, and in and to any other applications based in whole or in part on any of the foregoing, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted;

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PATENT REEL: 047583 FRAME: 0882

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AND WE, the said **ASSIGNORS**, do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States to said **ASSIGNEE**, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said **ASSIGNEE**, its successors and assigns;

AND WE, the said **ASSIGNORS**, for the considerations aforesaid, do hereby covenant and agree to and with said **ASSIGNEE**, its successors and assigns, that we have full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that we, our executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for said **ASSIGNEE**, its successors and assigns, may be required or necessary more effectively to secure to and vest in said **ASSIGNEE**, its successors and assigns, the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that we will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

IN WITNESS WHEREOF, WE, the said ASSIGNORS have hereunto set our hand and seal on the dates below written.

IN WIT	NESS WHEREOF, I have hereunto	set my hand and seal this;7_ day of
	-2014-	Ŷ
	1 2018 2018 54149:	
	Chen C	hen
Witness:_	All and	[signature]
	JEFEREY HU	[print name]
Witness:_	<u> </u>	[signature]
-	Natalie Melanuco	[print name]

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IN WITNESS WHEREOF, I have h	ereunto set my hand and seal this day of
, 2014.	

	Elisa E. Konofagou	
Witness:	[signature]	
·	[print name]	
Witness:	[signature]	
	[print name]	

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RECORDED: 11/26/2018