PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3548285

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
LAURA M. ENSIGN	08/24/2012
SAMUEL K. LAI	09/08/2012
TAO YU	08/15/2012
JUSTIN HANES	08/21/2012
MING YANG	08/15/2012

RECEIVING PARTY DATA

Name:	THE JOHNS HOPKINS UNIVERSITY	
Street Address:	100 N. CHARLES STREET, 5TH FLOOR	
Internal Address:	LICENSING & TECHNOLOGY DEVELOPMENT	
City:	BALTIMORE	
State/Country:	MARYLAND	
Postal Code:	21201	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14731972

CORRESPONDENCE DATA

Fax Number:

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.

Email: christopher.lyle@klgates.com

Correspondent Name: K&L GATES LLP
Address Line 1: 1 PARK PLAZA
Address Line 2: TWELFTH FLOOR

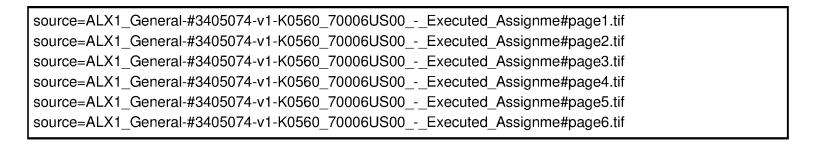
Address Line 4: IRVINE, CALIFORNIA 92614

NAME OF SUBMITTER:	MICHELLE GLASKY BERGMAN	
SIGNATURE: /	/Michelle Glasky Bergman/	
DATE SIGNED:	09/29/2015	

Total Attachments: 6

PATENT REEL: 036685 FRAME: 0360

503501659



PATENT REEL: 036685 FRAME: 0361

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

- Sell, assign and transfer to The Johns Hopkins University, a University having a place of 1. business at 100 N. Charles Street, 5th Floor; Licensing & Technology Development; Baltimore, Maryland 21201, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on May 3, 2012. under No. 61/642,227, bearing Attorney Docket No. K0560.70006US00, and entitled NANOCRYSTALS, COMPOSITIONS, AND METHODS THAT AID PARTICLE TRANSPORT IN MUCUS, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea;
- 2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
- 3. Request the Director of the United States Patent and Trademark Office to issue the Letters Patent to the Assignee;
- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation:
- 5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
- 6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

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STATE/COMMONWEALTH OF MORY/Ancl
COUNTY OF Baltmore:
On this 24th day of August, 2012, before me, the undersigned notary public,
personally appeared Laura M. Ensign proved to me through satisfactory evidence of identification, which were Mand DRIVERS ICENSE
to be the person who signed the preceding or attached document in my presence and swore or affirmed
to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.
SEAL Notary Public (X
My commission expires: May 5, 2017

Citizenship: US

Inventor: Laura M. Ensign

Address: 320 Stevenson Lane, Apt. 44

Towson, Maryland 21204

8/24/12

FRANCINA M. TAYLOR NOTARY PUBLIC BALTIMORE CITY MARYLAND MY COMMISSION EXPIRES MAY 5, 2014 9/8/2012 Date

Inventor: Samuel K. Lai

Address: 106 Oak Spring Court

Carrboro, North Carolina 27510

Citizenship: Canada

state/commonwealth of \mathcal{NC}
COUNTY OF Orange:
On this 8th day of September, 2012, before me, the undersigned notary public,
personally appeared <u>Samuel K. Lai</u> , proved to me through satisfactory evidence of
identification, which were NC priver License 36763668
to be the person who signed the preceding or attached document in my presence and swore or affirmed
to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge
and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.
LESLIE T PERSON NOTARY PUBLIC DURHSPEADUNTY NORTH CAROLINA MY COMMISSION EXPIRES MAY 29, 2016 Notary Public
My commission expires: Allace LT 2016

08/15/2012	
Date / Inventor:	Tao Yu
Address:	Smith Building 6001 Bay H1
	400 N Broadway
	Baltimore, Maryland 21231
Citizenship:	People's Republic of China
·	•
STATE/COMMONWEALTH OF Maryland COUNTY OF Baltimore:	
On this 15th day of August, 76 personally appeared Tao Yu identification, which were MD DL	, before me, the undersigned notary public, proved to me through satisfactory evidence of
to be the person who signed the preceding or attached of	document in my presence and swore or affirmed
to me that the contents of the document are truthful and	accurate to the best of (his) (her) knowledge
and belief and acknowledged to me that (he) (she) signed	ed it voluntarily for its stated purpose.
SEAL Juff Range Notary Public	
My commission expires: March 12, 261	6

Notary Public Baltimore County Maryland My Commission Expires March 12, 2016

JENNIFER RASSE

Citizenship: US
STATE/COMMONWEALTH OF WARY LAND
COUNTY OF BALLMORE:
On this day of Auxwit, 2012, before me, the undersigned notary public,
personally appeared Justin Hanes , proved to me through satisfactory evidence of
identification, which were <u>Driver License</u>
to be the person who signed the preceding or attached document in my presence and swore or affirmed
to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge
and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.
SEAL My Lough
Notary Public
My commission expires: $3/17/2013$

Inventor: Justin Hanes

Address: 6306 Pinehurst Way

Baltimore, Maryland 21212

08/15/2012		thought
Date	Inventor:	Ming Yang
	Address:	8106 Kirkwall Ct.
		Towson, Maryland 21286
	Citizenship:	People's Republic of China
STATE/COMMONWEALTH OF COUNTY OF County Of day of personally appeared	<u>а</u> .	でし、before me, the undersigned notary public, ,proved to me through satisfactory evidence o
	IN DL	_, proved to the through satisfactory evidence of
		document in my presence and swore or affirmed
o me that the contents of the do	ocument are truthful and	accurate to the best of (his) (her) knowledge
and belief and acknowledged to	me that (he) (she) signe	ed it voluntarily for its stated purpose.
SEAL	of Ru- Notary Public	· · · · · · · · · · · · · · · · · · ·
My commission expires:	March 17, 201	16
JENNIF	FER RASSE	

Notary Public Baltimore County Maryland My Commission Expires March 12, 2016

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RECORDED: 09/29/2015