PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAO YU	03/04/2014
HIMATKUMAR PATEL	03/04/2014
KANNIE M.Y. CHAN	03/05/2014
NIKITA OSKOLKOV	03/05/2014
MICHAEL MCMAHON	03/05/2014
JUSTIN HANES	03/06/2014

RECEIVING PARTY DATA

Name:	THE JOHNS HOPKINS UNIVERSITY
Street Address:	3400 NORTH CHARLES STREET
City:	BALTIMORE
State/Country:	MARYLAND
Postal Code:	21218

PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US2014014872

CORRESPONDENCE DATA

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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.

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ATTORNEY DOCKET NUMBER:	JHU C12327 PCT
NAME OF SUBMITTER:	DEBORAH D. COLES
SIGNATURE:	/Deborah D. Coles/
DATE SIGNED:	10/16/2014

Total Attachments: 7

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REEL: 033983 FRAME: 0433 503025704

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PATENT REEL: 033983 FRAME: 0434

ASSIGNMENT

We, Tao Yu of 105 W. 39th St., Apt. 1018, Baltimore, Maryland 21210, Himatkumar Patel of 3400 A Old Court Road, Baltimore, Maryland 21208, Kannie M. Y. Chan of 116 W. University Parkway, Apt. 612, Baltimore, Maryland 21210, Nikita Oskolekov of 21 Brookebury Drive, Apt. 03 /05/2d9 2C, Reisterstown, Maryland 21136, Michael McMahon of 6453 Empty Song Road, Columbia, Maryland 21044 and Justin Hanes of 6306 Pinehurst Road, Baltimore, Maryland 21212, for good and valuable consideration from The Johns Hopkins University, a university the State of Maryland, having its principal place of business at 3400 North Charles Street, Baltimore, Maryland 21218 (hereinafter said "Assignee"), the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire interest for the United States of America, and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property, in (1) a certain invention(s) and/or improvement(s) in "Nanoparticles For Magnetic Resonance Imaging Tracking And Methods Of Making And Using Thereof" described in International Application No. PCT/US2014/014872 filed in the United States Receiving Office for the Patent Cooperation Treaty on February 5, 2014, by The Johns Hopkins University, and in the provisional application to which priority is claimed, being U.S. Provisional Application Serial No. 61/760,897 filed in the United States Patent and Trademark Office on February 5, 2013, (2) International Application No. PCT/US2014/014872 filed February 5, 2014 and U.S. Provisional Application No. 61/760,897 filed February 5, 2013, and (3) all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention(s), or on said application(s), or any provisional, divisional, continuation, reissue, or other applications based thereon. And we agree, for ourselves and our executors and administrators, with said Assignee and its successors and assigns, but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and its territories and in all other foreign countries and jurisdictions to said Assignee, with specifications and claims in such form as shall be

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approved by the counsel of said Assignee, and to vest and confirm in said Assignee, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said Assignee, its successors and assigns.

And we each individually do hereby state (1) that the application(s) was made or was authorized to be made by each of us and (2) that we each believe ourselves to be the original inventor or joint inventor of a claimed invention in the application(s).

And we each individually do hereby authorize Assignee's attorney to correct any typographical errors on this form, if necessary, and to complete this form by the addition of the application number(s), application filed date(s), and attorney docket number(s), if necessary.

WITNESS my hand and seal this 44	h day of March 2014.
	Tao Yu
State of	_)
County of	
Then personally appeared the above	named Tao Yu and acknowledged the
foregoing instrument to be his/her free act a	and deed, before me this day of
. 20	
	Notary Public
My Commission expires:	The state of the s

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WITNESS my hand and seal this <u>04</u> day o	1 March 20 14	<u>.</u>
	Himatku	ımar Patel
State of		
Then personally appeared the above name foregoing instrument to be his/her free act and de		
······································		
	Notary P	ublic
My Commission expires:		

WITNESS my hand ar	nd seal this 5 day of March 20	olk.
		lat
	Kar	inle M.Y. Chan
State of)	
County of		
Then personally appe	eared the above named Kannie M.Y. Chan	and acknowledged the
	nis/her free act and deed, before me this_	
, 20		
	ABBORNA TO TO TO THE RESIDENCE OF THE STATE	A STATE OF THE STA
	Not	ary Public
My Commission expires:		

WITNESS my hand and seal this $\underline{\it 05}$ day of	MARCH 20 14
	10-6
	Nikita Oskolkov
State of)	
County of)	
Then personally appeared the above named	Nikita Oskolkov and acknowledged the
oregoing instrument to be his/her free act and dee	ed, before me this day of
	Notary Public
My Commission expires:	

	Notary Public
, 20	
foregoing instrument to be his/her free act and dee	ed, before me this day of
Then personally appeared the above named	Michael McMahon and acknowledged the
County of	
State of)	
	Michael McMahon
	ns
WITNESS my hand and seal this day of	Mach 2019.
Filed: 05 February 2014 ASSIGNMENT	

My Commission expires:

International Application No. PCT/US2014/014872 Filed: 05 February 2014 ASSIGNMENT
WITNESS my hand and seal this 6 day of Man 2014
mw
V Justin Hanes
State of
Then personally appeared the above named Justin Hanes and acknowledged the
foregoing instrument to be his/her free act and deed, before me this day of
20
Notary Public

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PATENT REEL: 033983 FRAME: 0441

My Commission expires: