505197593 11/19/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIANCHUN TANG	03/13/2017

RECEIVING PARTY DATA

Name:	DANA-FARBER CANCER INSTITUTE, INC.	
Street Address:	450 BROOKLINE AVENUE	
City:	BOSTON	
State/Country:	MASSACHUSETTS	
Postal Code:	02215-5450	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16195116

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	5031461-031US3
NAME OF SUBMITTER:	TAMI DAVIS
SIGNATURE: /tami davis/	
DATE SIGNED:	11/19/2018

Total Attachments: 6

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ASSIGNMENT

Wayne A. MARASCO, residing at 43 Rice Street, Wellesley, MA 02481 and Xianchun TANG, residing at 116 Spring Street, Apt. D10, West Roxbury, MA 02132, (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled MIDDLE EAST RESPIRATORY SYNDROME CORONAVIRUS NEUTRALIZING ANTIBODIES AND METHODS OF USE THEREOF, and which is a:

(1) provisional application to be filed herewith; or (a) ☑ bearing Application No. 61/984,243, and filed on April (b) 4, 2014; **(2)** non-provisional application (a) to be filed herewith; or bearing Application No. 15/306,617, and filed on (b) October 25, 2016; and/or (3) PCT application bearing Application No. PCT/US15/27785, and filed on April 27, 2015.

WHEREAS, Dana-Farber Cancer Institute, Inc. having its principal place of business at 450 Brookline Avenue, Boston, MA 02215-5450 (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

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- (a) the Invention(s);
- (b) the application(s) for patent identified above;
- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;
- (d) any application(s) for patent of the United States or other countries claiming the Invention(s);
- (e) any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent identified above or any application(s) for patent claiming the Invention(s), including any substitute application(s), division(s), continuation(s), and continuation(s)-in-part;
- (f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; and
- (g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

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The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified above when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

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Date: By:	
	Wayne A. MARASCO
A notary public or other officer completing this cer individual who signed the document to which this of truthfulness, accuracy, or validity of that document	certificate is attached, and not the
State of)	
On, before me, Notary Public, personally appeared	
who proved to me on the basis of satisfactory name(s) is/are subscribed to the within instrumed/she/they executed the same in his/her/their a his/her/their signature(s) on the instrument the person(s) acted, executed the instrument. REQUIRED SENTENCE IF NOTARIZED IT PENALTY OF PERJURY under the laws of the	ment and acknowledged to me that authorized capacity(ies), and that by erson(s), or the entity upon behalf of N CALIFORNIA: I certify under
paragraph is true and correct. WITNESS my hand and official seal.	
Signature of Notary Public	Place Notary Seal Above
My Commission Expires:	-

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Date:	3/13/2017	By:	Liarchen Tary
		• -	Xianchun TANG
individ	ary public or other officer completed along the document to values, accuracy, or validity of that	vhich this c	· · · · · · · · · · · · · · · · · · ·
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name(s	s) is/are subscribed to the with	hin instrun	nent and acknowledged to me that
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his/her	:/their signature(s) on the instrun	nent the pe	rson(s), or the entity upon behalf of
which	the person(s) acted, executed the i	nstrument.	
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PENA	LTY OF PERJURY under the la	ws of the	State of California that the foregoing
paragra	aph is true and correct.		
WITN	ESS my hand and official seal.		
Signat	ure of Notary Public		Place Notary Seal Above
My Co	ommission Expires:		

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PATENT REEL: 04**2539** FRAME: 0**932**

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Date:	By:
	Name:
	Title: Company: Dana-Farber Cancer Institute, Inc.
	Company. Dana Laroer Cancer Institute, Inc.
State of	
) ss.	
County of) ss.	
On, be	fore me,,
who proved to me on the basis of sa	tisfactory evidence, to be the person(s) whose
name(s) is/are subscribed to the with	nin instrument and acknowledged to me that
	her/their authorized capacity(ies), and that by
·	nent the person(s), or the entity upon behalf of
	• •
which the person(s) acted, executed the is	nstrument.
WITNESS my hand and official seal.	
Signature of Notary Public	Place Notary Seal Above
My Commission Expires:	

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PATENT REEL: 042530 FRAME: 0928

RECORDED: 04/29/2018